

LEAVELLE



SUPERABRASIVE

2020
PRODUCT CATALOG



superabrasive.com

OUR COMPANY



Superabrasive has been manufacturing high quality diamond tooling since 1987. During the years, we have greatly expanded our facilities in Bulgaria and Atlanta, GA, as well as our distributor network in the USA and overseas. Our goal is to provide contractors of all sizes, large and small, with the most efficient and user friendly solutions for floor grinding, polishing and maintenance.

Our LAVINA® line of grinders, vacuums and diamond tools continues to thrive and grow. In 2020, we are adding two smaller grinder models, L14E and L16E, and an updated L38GRE model to complete our size range of the ELITE Series. We are upgrading our LAVINA X vacuum line with new ELITE models as well, and adding an all-new pre-separator for optimal dust collection efficiency.

We are also launching our own LAVINA Ride-on Power Trowels - designed to work with the Trowel Shine polishing system and equipped with a powerful propane-driven engine, LAVINA power trowels will offer incredible production rates and cost savings on large industrial flooring projects.

Last but not least, we have some new tooling solutions in the pipeline, so make sure you visit our website superabrasive.com regularly to learn about our latest products.



NEW IN 2020
PRODUCTS

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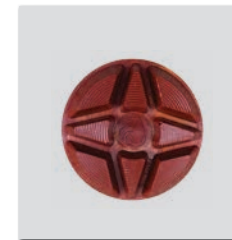
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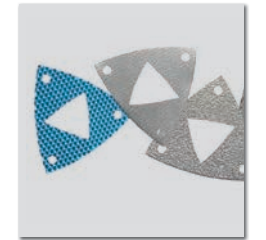
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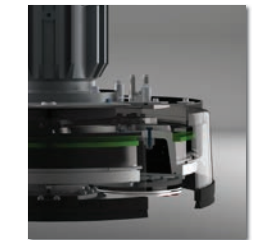
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introducing the new

LP36

AN ALL-NEW LAVINA RIDE-ON POWER TROWEL, READY TO GRIND AND POLISH AT INCREDIBLE RATES.



Propane Engine	Kawasaki FX1000V
Engine Capacity	999cc / 61 cu.in., 35 hp / 26.1 kW
Rotor RPM	0-185 rpm
Engine RPM	2000-3600 rpm
Path Width	80" / 2032 mm
Pan Diameter	2 x 36 in / 915 mm
Tool Holders per Pan	4 x 10.63 in / 270 mm or 4 x 14 in / 355 mm
Blades per Rotor	4
Propane Tank Capacity	33.5 lbs / 15.2 kg
Lifting (with manual jack)	7.9 in / 200 mm
Weight	1389 lbs / 630 kg
Machine Size LxWxH	84x41x64 in / 214x104x162 cm

**HIGH PRODUCTIVITY
POWERFUL ENGINE
ERGONOMIC DESIGN
SIMPLE OPERATION
GOOD BALANCE**



Integrated wheel set lifts the trowel (200mm) for changing blades and tools quickly and easily. One person can raise and lower the integrated wheel, using a jack at the rear of the machine.



Powerful Kawasaki FX1000V engine with Lavina Fuel Minder for closed loop fuel management and optimal performance.

Heavy-duty shroud.

LED lighting.



Continuously variable transmission provides superior performance by continually adjusting the drive ratio to obtain optimum torque and speed during all phases of finishing from low speed high torque to high speed burnishing.

TROWEL SHINE

POWER TROWEL CONCRETE POLISHING SYSTEM



- ✓ TRANSFORM YOUR POWER TROWEL INTO A PLANETARY GRINDING AND POLISHING MACHINE.
- ✓ INCREDIBLY HIGH PRODUCTIVITY - MORE THAN 10,000 SF PER HOUR PER GRIT.
- ✓ MINIMUM START-UP COST FOR POWER TROWEL OWNERS WHO WANT TO ADD POLISHING TO THEIR SERVICES.
- ✓ IDEAL FOR LARGE INDUSTRIAL PROJECTS WHERE TRADITIONAL POLISHING IS NOT FEASIBLE.



TROWEL SHINE TOOL HOLDERS - 10.63" & 14"

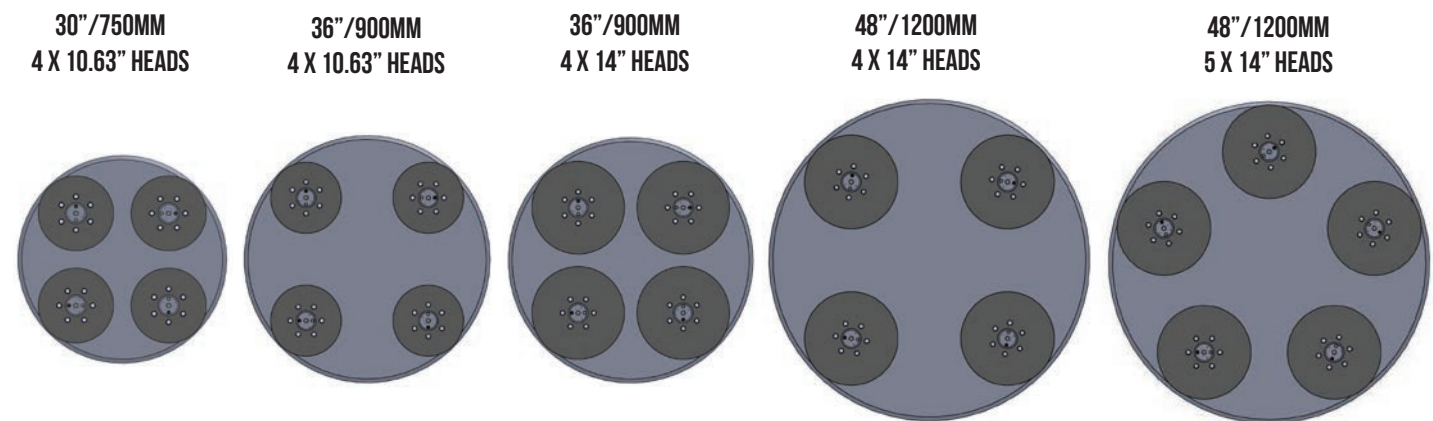


ROTATING HEAD TECHNOLOGY AND FLEXIBLE FOAM HEADS FOR AN EVEN TOOL WEAR AND PERFECT BALANCE.

FAST AND EASY TOOL CHANGES WITH TROWEL SHINE VELCRO-BACKED DIAMOND PADS.

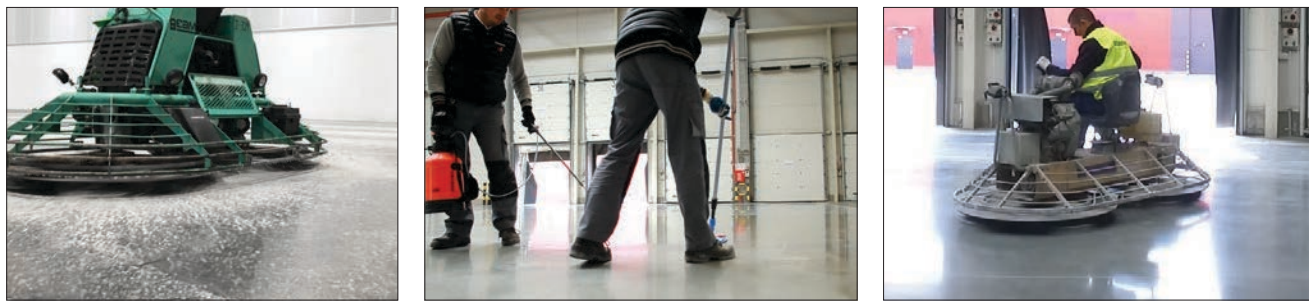
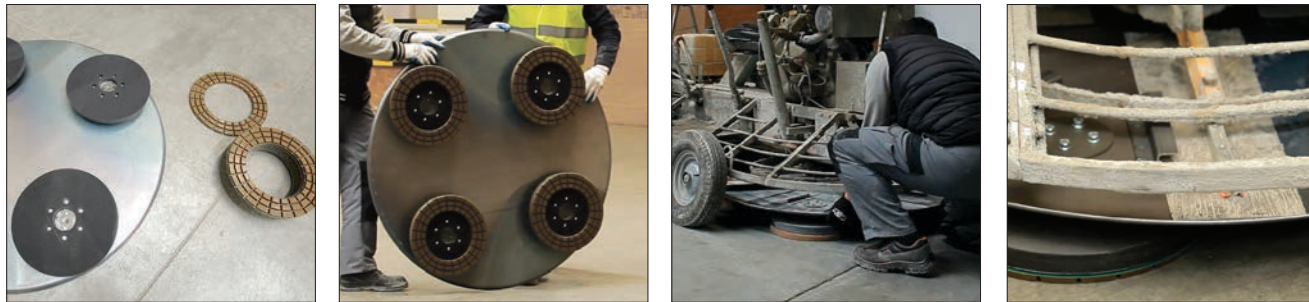


POPULAR TROWEL SHINE SET-UPS:



You can order trowel pans with pre-installed Trowel Shine tool holders, or you can install the tool holders yourself on the floating pans. We provide a drilling template with each tool holder. For best results, the number of tool holders should match the number of blades on your power trowel, and they should be installed symmetrically, with no tools sticking out.

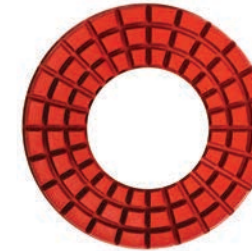
HOW IT WORKS:



TROWEL SHINE TOOLING STEPS, WET APPLICATION



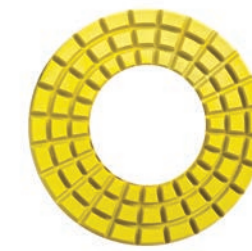
WAFFEL 120
WAFF-10.63-120
WAFF-14-120



WAFFEL 220
WAFF-10.63-220
WAFF-14-220



DENSIFY



WAFFEL 400
WAFF-10.63-400
WAFF-14-400



WAFFEL 800
WAFF-10.63-800
WAFF-14-800

IF FLOOR IS DAMAGED OR HAS A RAIN DROP EFFECT

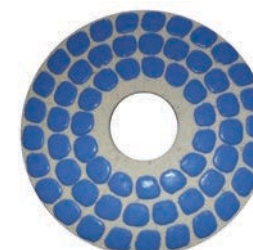
If grinding is necessary, start with SA-MB metal bond grinding discs (3" size, velcro backed). Use 3 pcs on 10.63" tool holders, and 5 pcs on 14" tool holders. **Wet application.**

SA-0046MB
SA-0070MB
SA-0120MB



OPTIONAL POLISHING STEPS: 1800 & 3500 GRIT

For best results, use V-HARR premium polishing pads or ShinePro diamond pads. Apply a concrete sealer after 3500 grit, if needed.



V-HARR® 1800
VF-10.63-1800
VF-14-1800



V-HARR® 3500
VF-10.63-3500
VF-14-3500

OR



SHINEPRO® 1800
SP-10.63-1800
SP-14-1800



SHINEPRO® 3500
SP-10.63-3500
SP-14-3500

PERFORMANCE ABOVE THE REST.

IRVINA



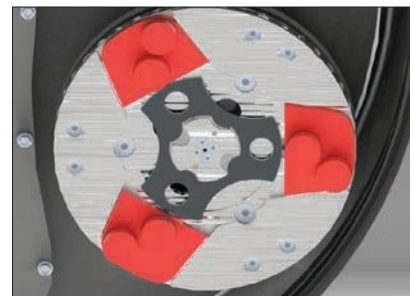
ELITE

S E R I E S



COMPLETELY REDESIGNED FRAME AND CHAIN PLANETARY DRIVE WITH LOW-FRICTION RUBBER SEALER

The new frame design delivers superior maneuverability and easy tool changes. The dust-proof planetary drive with new rubber sealer is protected from dust and moisture, which reduces maintenance and increases service life. The chain has been upgraded on 20/25/30-inch models. Also, all three-phase grinders now have overload protection.



NEW SECURITY TOOL LOCK

We have updated the tooling lock and security plates on the grinding heads for a more secure tool attachment. Elite machines are designed for use with Quick Change style tools only, metal and resin, and are not compatible with velcro backed tools. We offer special holders for attaching floor maintenance pads (see accessories section).



EPA & CARB BLUE SKY ENGINES WITH INTELLIGENT FUEL CONTROL SYSTEM ON PROPANE MODELS

Our unique digital fuel control system, Lavina Fuel Minder, is highly responsive to changes in engine load, providing optimum air-to-fuel ratio regardless of operating conditions. Featuring LCD screen with user interface, service reminders, emissions warnings, battery voltmeter, and more. Offered on all propane grinders except L13GE.



Our engine kits are beating the EPA emissions standard by 40% and the CARB standard by 50%, thus, earning Blue Sky recognition.

If operating propane equipment indoors, always make sure the area is well-ventilated. Strictly follow the machine maintenance schedule and operating instructions.



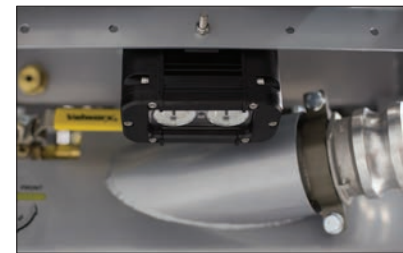
DUST SUPPRESSION FINE MISTING SYSTEM WITH HIGH PRESSURE SPRAY NOZZLES

Small water droplets effectively suppress and remove breathable fugitive dust particles from 0.1 to 1000 microns. In addition, water can be delivered under the machine at the same time for optimal tool performance. Water is metered with a pressure regulator on the machine. Upgraded heavy-duty water pump.



EASY-TO-USE INTEGRATED WEIGHTS

With the weights down, you increase the grinding head pressure, and you can grind more aggressively. Make sure weights are always locked in the upward position.



CONVENIENT INTEGRATED LIFT POINTS

New lift points design facilitates moving the machine with a forklift.

IMPROVED DUST COLLECTION EFFICIENCY

Adjustable skirt with a flexible brush for better dust containment. Also, the vacuum hose connection is now closer to the dust source, and utilizes a metal camlock attachment.



LED LIGHTS FOR MONITORING THE FLOOR

A detachable LED light (with a magnet) on the base in the front improves visibility, and a second LED light attached in the back of the machine near the floor helps monitor the scratch pattern.



NEW ADJUSTABLE HANDLE BAR

Multiple handle positions for more convenient operation and transportation. Make sure the handle position is locked when moving or using the machine.



CHARGING PHONE STATION WITH DUAL USB 2.0 PORTS

3.15 Amps for faster charging with a shutoff when charge is complete.

ALSO, A DURABLE STAINLESS STEEL CUP HOLDER

NEW MODEL



L16E

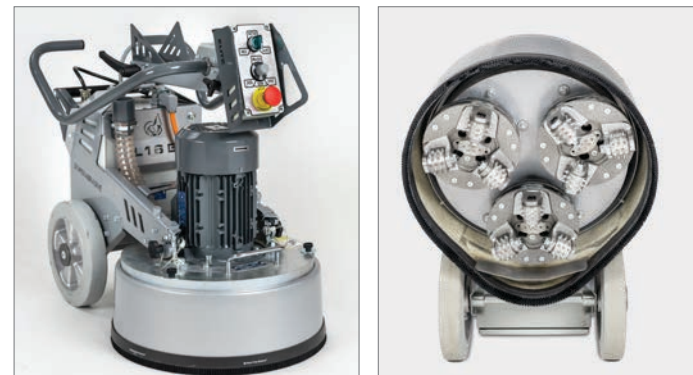
A COMPACT, LIGHT AND VERSATILE PLANETARY GRINDER WITH FOLDABLE FRAME

DUSTPROOF GRINDING HEAD WITH 3X7" HEADS & FORCED PLANETARY DRIVE

VARIABLE SPEED

OPTION TO ADD WEIGHTS - 2 X 17.6 LBS / 2 X 8 KG

MACHINE CAN BE DIVIDED IN 2 PIECES FOR TRANSPORTATION
Head: 150 lbs / 68 kg; Carriage: 66 lbs / 30 kg.



L16E

Horsepower	2.45 HP / 1.8 KW
Voltage (50/60 Hz)	1ph x 115V
Amperage (max)	16 Amp
Weight of Machine	216 lbs / 98 kg
Grinding Pressure	147.7 lbs / 67 kg
Weights (optional)	up to 2 x 17.6 lbs/ 8 kg

Attachment Speed	300-500 rpm
Working Width	16 in / 406 mm
Tool Holder Diameter	3x7 in / 3x178 mm
Vacuum Hose Port	2in / 51mm
Water Feeding	no
Cable Length	no
Machine Size L x W x H	48x18x38 in 121x46x97 cm
Crate Size L x W x H	30.5x20.5x34.5 in 77x52x88 cm

EUROPEAN MODEL **CE**
L16EU, 300-900 rpm
2.2 kW, 1 phase, 200-240 V, 12 Amp

NEW MODEL



L14E

A COMPACT, LIGHT AND EASY TO USE SINGLE-HEAD GRINDER WHICH CAN BE USED FOR BOTH PREP AND POLISHING

FOLDABLE FRAME & COMPACT DESIGN

ADJUSTABLE HANDLE BAR CAN ALSO BE MOVED LEFT OR RIGHT TO USE AS EDGER

VARIABLE SPEED

MACHINE CAN BE DIVIDED IN 2 PIECES FOR TRANSPORTATION
Head: 77 lbs / 35 kg; Carriage: 66 lbs / 25 kg.



L14E

Horsepower	2.45 HP / 1.8 KW
Voltage (50/60 Hz)	1ph x 115V
Amperage (max)	16 Amp
Weight of Machine	132.3 lbs / 60 kg
Grinding Pressure	53 lbs / 24 kg
Weights	no

Attachment Speed	400-1000 rpm
Working Width	13.2 in / 335 mm
Tool Holder Diameter	1x13.2in/1x335mm
Vacuum Hose Port	2in / 51mm
Water Feeding	no
Cable Length	no
Machine Size L x W x H	47x15x39 in 119x37x100 cm
Crate Size L x W x H	30.5x20.5x34.5 in 77x52x88 cm

EUROPEAN MODEL **CE**
L14EU, 400-1000 rpm
2.2 kW, 1 phase, 200-240 V, 12 Amp

REMOTE-CONTROLLED



NOW OFFERED WITH 13" HEADS



L32RE *Also in HV - 3ph x 380/480V, 32 Amp

Horsepower	20 HP / 15 KW
Voltage (50/60 Hz)	3ph x 200-240V
Amperage (max)	60 Amp
Dedicated Breaker Requirement	60 Amp
Generator Recommendation	45 KW

Weight of Machine	1543 lbs / 700 kg
Adjustable Grinding Pressure, Integrated weights with 4 positions	562-875 lbs / 255-397 kg

Attachment Speed	400-1100 rpm
Working Width	32in / 814mm
Tool Holder Diameter	3x9in / 3x225mm

Vacuum Hose Port	Camlock E300
Water feeding (with pump)	Peripheral & Front Mist
Water tank capacity	12gal / 46L
Cable Length	57 ft / 17.4 m
AMG Battery	12 V/2x7 AH
RC Battery (rechargeable)	AA 1.2V

Machine Size L x W x H	97x34x52 in / 246x86x130 cm
Crate size L x W x H	63x37x63 in / 160x95x160 cm

EUROPEAN MODEL **L32REU**

15 kW, 3 phase 380-400V, 32 Amp

L3213RE *Also in HV - 3ph x 380/480V, 32 Amp

Horsepower	20 HP / 15 KW
Voltage (50/60 Hz)	3ph x 200-240V
Amperage (max)	60 Amp
Dedicated Breaker Requirement	60 Amp
Generator Recommendation	45 KW

Weight of Machine	1607 lbs / 729 kg
Adjustable Grinding Pressure, Integrated weights with 4 positions	552-858.7 lbs / 250.5-389.5 kg

Attachment Speed	400-650 rpm
Working Width	32in / 814mm
Tool Holder Diameter	3x13.2in / 3x335mm

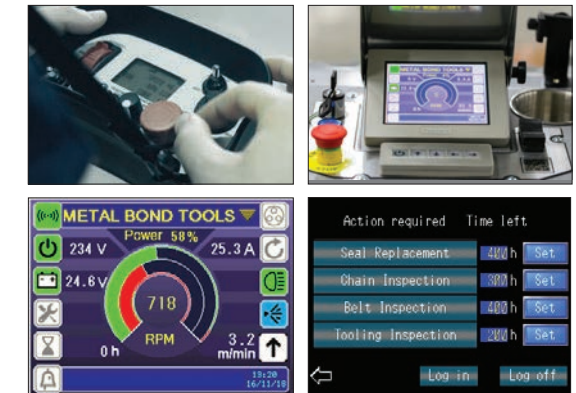
Vacuum Hose Port	Camlock E300
Water feeding (with pump)	Peripheral & Front Mist
Water tank capacity	12gal / 46L
Cable Length	57 ft / 17.4 m
AMG Battery	12 V/2x7 AH
RC Battery (rechargeable)	AA 1.2V

Machine Size L x W x H	97x34x52 in / 246x86x130 cm
Crate size L x W x H	63x37x63 in / 160x95x160 cm

EUROPEAN MODEL **L3213REU**

15 kW, 3 phase 380-400V, 32 Amp

REMOTE-CONTROLLED



L25RE

Horsepower	10 HP / 7.5 KW
Voltage (50-60 Hz)	1 or 3 ph x 200-240V
Amperage (max)	45 Amp
Dedicated Breaker Requirement	45 Amp
Generator Recommendation	33KW

Weight of Machine	983 lbs / 446 kg
Adjustable Grinding Pressure, Integrated weights with 4 positions	364 lbs / 165 kg / 436 lbs / 198 kg

Attachment Speed	300-1100 rpm
Working Width	25in / 655mm
Tool Holder Diameter	3x9in / 3x225mm

Vacuum Hose Port	Camlock E250
Water feeding (with pump)	Peripheral & Front Mist
Water tank capacity	5.2gal / 20L
Cable Length	57 ft / 17.4 m
AMG Battery	12 V/2x7 AH
RC Battery (rechargeable)	AA 1.2V

Machine Size L x W x H	76x28x47 in / 193x71x120 cm
Crate size L x W x H	58x33x57 in / 148x84x146 cm

EUROPEAN MODEL **L25REU**

7.5 kW, 3 phase 380-400V, 15 Amp

INTELLIGENT REMOTE CONTROL

Precise control over the machine - two sensitive thumbsticks control its position and offset, including integrated mapping on the offset. A wide range of functions. Super light and easy to use with ergonomic rubber grip.

INTUITIVE TOUCHSCREEN PANEL / HMI

Our new HMI provides essential operating information and implements operators' instructions. **It can be used in 3 modes: remote-controlled, self-propelled and manual.**

HMI functionality includes:

- indications of power supply and power consumption,
- machine load and hours worked,
- tool holder rpm and option to choose rpm setting with tool input,
- speed feed rate, allowing to control the linear speed,
- water supply and lights activation,
- maintenance reminders,
- password activation and shutoff, etc.
- menu in different languages.

ELECTRIC MODELS



ALSO OFFERED
WITH 13" HEADS
L3213E

L32E *Also in HV - 3ph x 380/480V, 32 Amp

Horsepower	20HP / 15KW
Voltage (50/60 Hz)*	3ph x 200-240V
Amperage (max)	60 Amp
Dedicated Breaker Requirement	60 Amp
Generator Recommendation	45KW

Weight of Machine	1455 lbs / 660 kg
Adjustable Grinding Pressure, Integrated weights with 4 positions	562-878 lbs / 255-398.5 kg

Attachment Speed	400-1100 rpm
Working Width	32in / 814mm
Tool Holder Diameter	3x9in / 3x225mm

Vacuum Hose Port	Camlock E300
Water feeding (with pump)	Peripheral & Front Mist
Water tank capacity	12 gal / 46 L
Cable Length	57 ft / 17.4 m

Machine Size L x W x H	100x34x52 in / 254x86x132 cm
Crate size L x W x H	63x37x63 in / 160x95x160 cm

EUROPEAN MODEL 
L32EU; L3213EU
15 kW, 3 phase, 380-400 V, 32 Amp

L30LE *Also in HV - 3ph x 440/480V, 30 Amp

Horsepower	15HP / 11KW
Voltage (50-60 Hz)*	3ph x 200-240V
Amperage (max)	45 Amp
Dedicated Breaker Requirement	45 Amp
Generator Recommendation	33KW

Weight of Machine	860 lbs / 390 kg
Grinding Pressure Weights UP	465 lbs / 211 kg
Grinding Pressure Weights DOWN	545 lbs / 247 kg

Attachment Speed	300-1100 rpm
Working Width	30in / 765mm
Tool Holder Diameter	3x13.2in / 3x335mm

Vacuum Hose Port	Camlock E250
Water feeding (with pump)	Peripheral & Front Mist
Water tank capacity	5.2gal / 20L
Cable Length	57 ft / 17.4 m

Machine Size L x W x H	59x34x47 in / 150x81x120 cm
Crate Size L x W x H	58x33x57 in / 148x84x146 cm

EUROPEAN MODEL 
L30LEU
11 kW, 3 phase, 380-400V, 30 Amp

ELECTRIC MODELS



L25LE *Also in HV - 3ph x 440/480V, 30 Amp

Horsepower	15HP / 11KW
Voltage (50/60 Hz)	3ph x 200-240V
Amperage (max)	45 Amp
Dedicated Breaker Requirement	45 Amp
Generator Recommendation	33KW

Weight of Machine	838 lbs / 380 kg
Grinding Pressure Weights UP	443 lbs / 201 kg
Grinding Pressure Weights DOWN	522 lbs / 237 kg

Attachment Speed	300-1100 rpm
Working Width	25.8in / 655mm
Tool Holder Diameter	3x9in / 3x225mm

Vacuum Hose Port	Camlock E250
Water feeding (with pump)	Peripheral & Front Mist
Water tank capacity	5.2gal / 20L
Cable Length	57 ft / 17.4 m

Machine Size L x W x H	71x28x48 in / 180x71x122 cm
Crate Size L x W x H	58x33x57 in / 148x84x146 cm

EUROPEAN MODEL 
L25LEU
11 kW, 3 phase, 380-400 V, 30 Amp

L25E

Horsepower	10HP / 7.5KW
Voltage (50/60 Hz)	1 or 3ph x 200-240V
Amperage (max)	30 Amp
Dedicated Breaker Requirement	30 Amp
Generator Recommendation	22.5KW

Weight of Machine	754 lbs / 342 kg
Grinding Pressure Weights UP	348 lbs / 158 kg
Grinding Pressure Weights DOWN	428 lbs / 194 kg

Attachment Speed	300-1100 rpm
Working Width	25.8in / 655mm
Tool Holder Diameter	3x9in / 3x225mm

Vacuum Hose Port	Camlock E250
Water feeding (with pump)	Peripheral & Front Mist
Water tank capacity	5.2gal / 20L
Cable Length	57 ft / 17.4 m

Machine Size L x W x H	71x28x48 in / 180x71x122 cm
Crate Size L x W x H	58x33x57 in / 148x84x146 cm

EUROPEAN MODEL 
L25EU
7.5 kW, 3 phase, 380-400 V, 15 Amp

ELECTRIC MODELS



L20NE

Horsepower	7.5HP / 5.5KW
Voltage (50/60 Hz)	1 or 3ph x 200-240V
Amperage (max)	30 Amp
Dedicated Breaker Requirement	30 Amp
Generator Recommendation	16.5KW

Weight of Machine	584 lbs / 265 kg
Grinding Pressure Weights UP	187 lbs / 85 kg
Grinding Pressure Weights DOWN	287 lbs / 130 kg

Attachment Speed	300-1100 rpm
Working Width	20in / 510mm
Tool Holder Diameter	3x9in / 3x225mm

Vacuum Port	Camlock E250 or 2in hose
Water feeding (with pump)	Peripheral & Front Mist
Water tank capacity	5.2gal / 20L
Cable Length	57 ft / 17.4 m

Machine Size L x W x H	66x22x47 in 168x56x122 cm
Crate Size L x W x H	55x29x56 in 139x71x142 cm

EUROPEAN MODEL

L20NEU 5.5 kW, 3 phase, 380-400 V, 15 Amp

L20NOEU 5.5 kW, 1 phase, 200-240 V, 15 Amp



L20E

Horsepower	4 HP / 3 KW
Voltage (50/60 Hz)	1ph x 200-240V
Amperage (max)	14 Amp
Dedicated Breaker Requirement	20 Amp
Generator Recommendation	9KW

Weight of Machine	443 lbs / 201 kg
Grinding Pressure	190 lbs / 86 kg
Additional Weight	no

Attachment Speed	300-1100 rpm
Working Width	20in / 510mm
Tool Holder Diameter	3x9in / 3x225mm

Vacuum Port	Camlock E250 or 2in hose
Water feeding (with pump)	Peripheral & Front Mist
Water tank capacity	5.2gal / 20L
Cable Length	57 ft / 17.4 m

Machine Size LxWxH	66x22x48 in 168x56x122 cm
Crate Size LxWxH	55x29x56 in 139x71x140 cm

EUROPEAN MODEL

L20EU

3 kW, 1 phase, 200-240 V, 14 Amp

ELECTRIC MODELS



L13E

Horsepower	5.5HP / 4KW
Voltage (50/60 Hz)	1ph x 200-240V
Amperage	16 Amp
Dedicated Breaker Requirement	20 Amp
Generator Recommendation	9KW

Weight of Machine	271 lbs / 139 kg
Grinding Pressure	64 lbs / 33 kg
Additional Weight	up to 50 lbs / 22.7kg
# of Additional Weights	4 x 12.5 lbs / 5.7 kg

Attachment Speed	500-800 rpm
Working Width	13.2in / 335mm
Tool Holder Diameter	13.2in / 335mm

Dust-vacuum	yes
Water feeding	no
Water tank capacity	n/a
Cable Length	57 ft / 17.4 m

Machine Size L x W x H	48x24x36 in 121x60x92 cm
Crate Size L x W x H	56x29x43 in 141x73x110 cm

EUROPEAN MODEL

L13EU

4 kW, 1 phase 200-240 V, 16 Amp



L21-XGFI Works with GFI circuits

Horsepower	2.45HP / 1.8KW
Voltage (50/60 Hz)	1ph x 100-115V
Amperage	16 Amp
Dedicated Breaker Requirement	20 Amp
Generator Recommendation	7.5KW

Weight of Machine	219 lbs / 99 kg
Grinding Pressure	113 lbs / 51 kg
Additional Weight	up to 35 lbs / 16 kg
# of Additional Weights	2 x 17.5 lbs / 8 kg

Attachment Speed	300-500 rpm
Working Width	20in / 510mm
Tool Holder Diameter	3x7in / 3x178mm

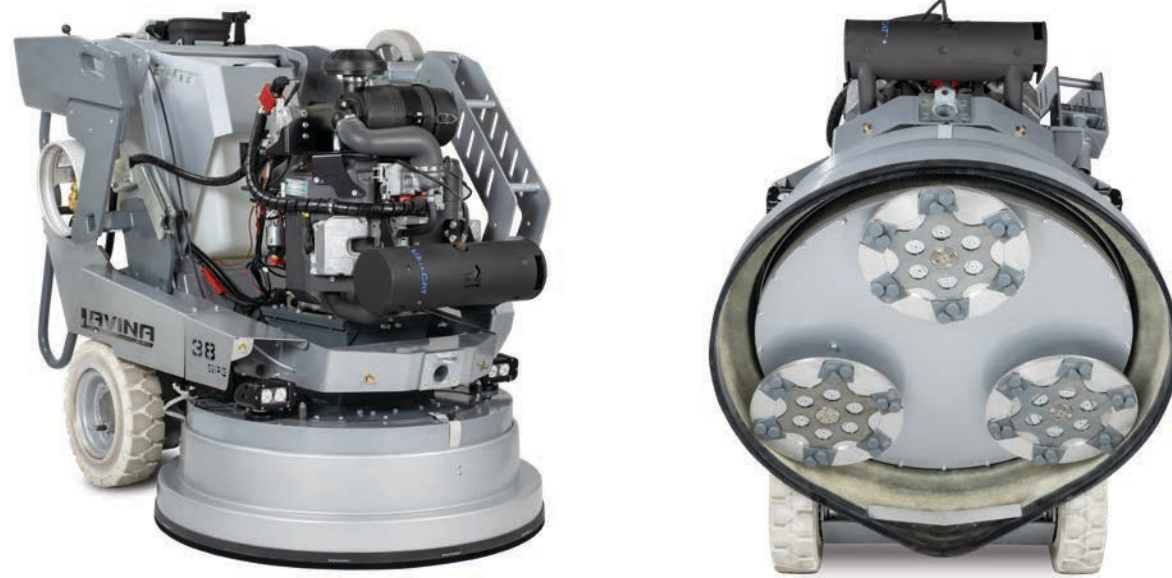
Dust-vacuum	yes
Water feeding	Peripheral
Water tank capacity	5.2gal / 20L
Cable Length	no cable

Machine Size L x W x H	59x21x42 in 150x54x107 cm
Crate Size L x W x H	43x30x31 in 110x75x78 cm

PROPANE MODELS

No cables, no generators, no hassle.

L38GRE



L38GRE

Propane Engine	Kawasaki FX1000V
Engine Capacity	999cc / 61 cu.in.
Weight of Machine	1585 lbs / 719 kg
Adjustable Grinding Pressure, Integrated weights with 4 positions	603-898 lbs / 273.5-407.5 kg
Tool Holder RPM	416-750 rpm
Engine RPM	2000-3600 rpm
Working Width	36.5 in / 927 mm
Tool Holder Diameter	3x13.2in / 3x335 mm
Vacuum Hose Port	Camlock E300 3 in / 76mm
Water feeding (with pump)	inside & front spray
Water tank capacity	12 gal / 46L
Propane tank capacity	33.5 lbs / 15.2 kg
Third Wheel	yes
AMG Battery	12 V / 2x7 AH
RC Battery (Rechargeable)	AA 1.2 V
Machine Size L x W x H	98x38x52 in / 250x97x130 cm
Crate Size L x W x H	69x40x63 in / 175x102x160 cm



REMOTE-CONTROLLED

Size and power combined with ease of use for superior performance.



PROPANE MODELS

No cables, no generators, no hassle.

L3213GE

13.2" HEADS



L32GE

Propane Engine	Kawasaki FX1000V
Engine Capacity	999cc / 61 cu.in.
Weight of Machine	1413 lbs / 641 kg
Adjustable Grinding Pressure, Integrated Weights with 4 positions	613-888 lbs / 278-403 kg
Tool Holder RPM	600-1020 rpm
Engine RPM	2000-3600 rpm
Working Width	32in / 814mm
Tool Holder Diameter	9in / 225 mm
Vacuum Hose Port	Camlock E300
Water feeding (with pump)	Peripheral & Front Mist
Water tank capacity	12 gal / 46L
Propane tank capacity	33.5 lbs / 15.2 kg
Third Wheel	yes
Machine Size L x W x H	100x34x52 in / 254x86x132 cm
Crate Size L x W x H	63x37x63 in / 160x95x160 cm

L32GE

9" HEADS



PROPANE MODELS

No cables, no generators, no hassle.



L30GE

Propane Engine	Kawasaki FX600V
Engine Capacity	603cc, 36.8 cu. in.
Weight of Machine	794 lbs / 360 kg
Grinding Pressure Weights UP	448 lbs / 203 kg
Grinding Pressure Weights DOWN	529 lbs / 240 kg
Tool Holder RPM	570-1030 rpm
Engine RPM	2000-3600 rpm
Working Width	30in / 765mm
Tool Holder Diameter	3x13.2in / 3x335mm
Vacuum Hose Port	Camlock E250
Water Feeding (with pump)	Peripheral & Front Mist
Water Tank Capacity	5.2gal / 20L
Propane Tank Capacity	20lbs / 9kg
Machine Size L x W x H	76.5x32x48in 194x81x121cm
Crate Size L x W x H	58x33x57 in 148x84x146 cm

L25GE

Propane Engine	Kawasaki FX600V
Engine Capacity	603cc, 36.8 cu. in.
Weight of Machine	764 lbs / 346 kg
Grinding Pressure Weights UP	418 lbs / 189 kg
Grinding Pressure Weights DOWN	489 lbs / 226 kg
Tool Holder RPM	570-1030 rpm
Engine RPM	2000-3600 rpm
Working Width	25in / 655mm
Tool Holder Diameter	3x9in / 3x225mm
Vacuum Hose Port	Camlock E250
Water Feeding (with pump)	Peripheral & Front Mist
Water Tank Capacity	5.2gal / 20L
Propane Tank Capacity	20lbs / 9kg
Machine Size L x W x H	71x28x48 in 180x71x122 cm
Crate Size L x W x H	58x33x57 in 148x84x146 cm

PROPANE MODELS

No cables, no generators, no hassle.



L20GE

Propane Engine	Kawasaki FS481V
Engine Capacity	603 cc / 36.8 cu.in.
Weight of Machine	645 lbs / 292 kg
Grinding Pressure Weights UP	267 lbs / 121 kg
Grinding Pressure Weights DOWN	364 lbs / 165 kg
Tool Holder RPM	610-1090 rpm
Engine RPM	2000-3600 rpm
Working Width	20in / 655mm
Tool Holder Diameter	3x9in / 3x225mm
Vacuum Hose Port	Camlock E250
Water Feeding (with pump)	Peripheral & Front Mist
Water tank capacity	5.2 gal / 20 L
Propane tank capacity	20 lbs / 9 kg
Machine Size L x W x H	66x22x48 in / 168x56x122 cm
Crate Size L x W x H	55x29x56 in / 139x71x142 cm

L13GE

Propane Engine	Kawasaki FJ180V
Engine Capacity	179 cc, 10.9 cu.in.
Weight of Machine	262 lbs / 119 kg
Grinding Pressure (no additional weights)	73 lbs / 33 kg
Tool Holder RPM	525-900 rpm
Engine RPM	2100-3600 rpm
Working Width	13.2 in / 335 mm
Tool Holder Diameter	13.2 in / 335 mm
Vacuum Hose Port	2 in / 51 mm
Water Feeding	no
Water tank	no
Propane tank capacity	20 lbs / 9 kg
Machine Size L x W x H	48x24x36 in / 120x60x92 cm
Crate Size L x W x H	56x29x43 in / 141x73x110 cm

LAVINA® B36G-GTS PLANETARY POLISHER

Reduce your time on the job site with this super efficient and versatile floor machine - You can hone, polish, maintain and burnish.

- 36-inch work path
- Forced planetary drive with three 14-in heads
- A powerful Kawasaki engine with low emissions
- Optimal pad pressure and flexible head design
- Can be used wet or dry
- Recommended tools - 14-in ShinePro® pads



LB36G-GTS

Propane Engine Capacity	Kawasaki 481V
Engine Capacity	603cc, 36.8 cu.in.

Tool Holder RPM	1666-3000 RPM
Engine RPM	2000-3600 RPM
Working Width	36in / 914.4mm
Tool Holder Diameter	3x14in / 3x356mm

Application	wet or dry
Dust Collection System	vacuum turbine
Vacuum Bag	UB 101
Water Feeding (with pump)	Front spray
Water Tank Capacity	5.2gal / 20L
Propane Tank Capacity	20lbs / 9kg

Machine Weight	617lbs / 280kg
Machine Size L x W x H	79x37x44in 200x95x112cm
Crate size L x W x H	81x42x53 in 205x106x135cm



LAVINA® B21 BURNISHER

Ideal for jobsites where propane is not allowed.

- 21-inch work path
- Electric model
- Smooth control and easy to use
- Superior dust collection
- Durable design
- Recommended tools - 21-in ShinePro® pads

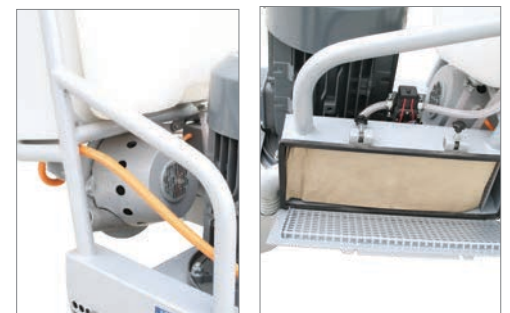
LB21-E * Also in 200-240V, 1 or 3 phase, 32 Amp

Voltage (50-60 Hz)	3 phase, 380-400V
Amperage	23 Amps
Power	10 hp / 7.5 kW

Tool Holder RPM	1500-2000 RPM
Working Width	21in / 533mm
Tool Holder Diameter	1x21in / 1x533mm

Application	wet or dry
Dust Collection System	vacuum motor
Vacuum Bag	T285 (LH 4)
Water Feeding (with pump)	Front spray
Water Tank Capacity	5.2gal / 20L
Cable Length	57 ft / 17.4 m

Machine Weight	322lbs / 146kg
Machine Size L x W x H	55x27x43 in 139x69x110 cm
Crate size L x W x H	56x29x46 in 141x73x118 cm



introducing the new

ELITE DUST EXTRACTORS



V25GE

V25E

V20E

PRE-SEPARATOR

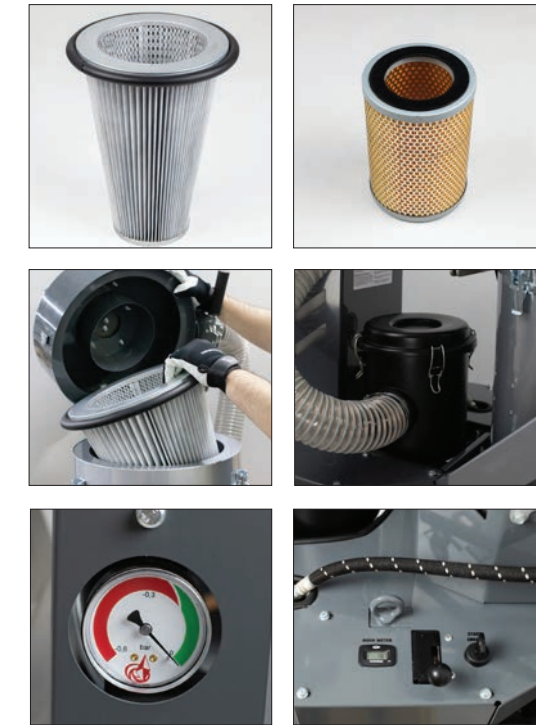
Improvements with big impact.

V25GE



Technical Data

MODEL	V25GE
Propane Engine	Kawasaki FS481S
Engine Capacity	603cc / 36.8 cu.in.
Propane Tank Capacity	20 lbs / 9 kg
Main Filter	Conical Filter
Filter Surface Area	43 ft ² / 4 m ²
Filter Cleaning	Manual
Hepa Surface Area	21.5 ft ² / 2 m ²
Airflow (max)	294 cfm / 500 m ³ /h
Vacuum (max)	120 water lift / 0.3 bar
Longopac	yes
Main Vacuum Hose	2.5 in x 32 ft 63mm x 10m
Hose for Wand	50mm x 6.6m
Dimensions L x W x H	37x23x63 in 115x65x160 cm
Weight	440 lbs / 200 kg



- ✓ 3-stage dust collection (cyclone, conical filter and Hepa).
- ✓ New filter chamber design with smaller dimensions but more space for dust.
- ✓ Improved conical filter made of the best filter material in the industry (thermally bonded PTFE membrane with ALU coating for excellent dust release; hydrophobic; antistatic); new seals; additional 3rd valve for dust release before and after filter cleaning without stopping the vacuum.
- ✓ Easy access to the HEPA filter.
- ✓ Completely metal construction with innovative design, smaller and lighter for easier transportation.
- ✓ Option to attach 6.5" air duct.
- ✓ New, easier to mount Longopac attachment.
- ✓ Adjustable hood clamps.

V25E

V20E



Technical Data

MODEL	V25E115	V25E230	V25EU	V20E115	V20E230	V20EU
Motor	3 bypass motors	3 bypass motors	3 bypass motors	2 bypass motors	2 bypass motors	2 bypass motors
Voltage (50/60 hz)	1 phase, 115 V	1 phase, 230 V	1 phase, 230 V	1 phase, 115 V	1 phase, 230 V	1 phase, 230 V
Amperage	19.5 Amp	19.5 Amp	15 Amp	15.4 Amp	13 Amp	13 Amp
Motor Power	3.4 hp / 2.5 kW	4.9 hp / 3.6 kW	4.5 hp / 3.3 kW	2.6 hp / 1.93 kW	3.3 hp / 2.4 kW	3.3 hp / 2.4 kW
Main Filter	Conical Filter	Conical Filter	Conical Filter	Conical Filter	Conical Filter	Conical Filter
Filter Surface	43 ft ² / 4 m ²	43 ft ² / 4 m ²	43 ft ² / 4 m ²	32 ft ² / 3 m ²	32 ft ² / 3 m ²	32 ft ² / 3 m ²
Filter Cleaning	Manual	Manual	Manual	Manual	Manual	Manual
Hepa Surface	21.5 ft ² / 2 m ²	21.5 ft ² / 2 m ²	21.5 ft ² / 2 m ²	21.5 ft ² / 2 m ²	21.5 ft ² / 2 m ²	21.5 ft ² / 2 m ²
Airflow (max)	286 cfm 486 m ³ /h	386 cfm 656 m ³ /h	308.1 cfm 523 m ³ /h	194 cfm 330 m ³ /h	257 cfm 437 m ³ /h	210 cfm 357 m ³ /h
Vacuum (max)	81 water lift 0.2 bar	100.4 water lift 0.25 bar	97.8 water lift 0.24 bar	86.7 water lift 0.22 bar	100.4 water lift 0.25 bar	100.4 water lift 0.25 bar
Longopac	yes	yes	yes	yes	yes	yes
Main Vacuum Hose	2.5 in x 32 ft 63mm x 10m	2.5 in x 32 ft 63mm x 10m	2.5 in x 32 ft 63mm x 10m	2 in x 24 ft 50 mm x 7.5 m	2 in x 24 ft 50 mm x 7.5 m	2 in x 24 ft 50 mm x 7.5 m
Hose for Wand	50mm x 6.6m	50mm x 6.6m	50mm x 6.6m	n/a	n/a	n/a
Dimensions	36.5x23x63 in 93x59x160 cm	36.5x23x63 in 93x59x160 cm	36.5x23x63 in 93x59x160 cm	33x23x55 in 83x59x139 cm	33x23x55 in 83x59x139 cm	33x23x55 in 83x59x139 cm
Weight	209 lbs / 95 kg	209 lbs/ 95 kg	209 lbs/ 95 kg	176 lbs/ 80 kg	176 lbs/ 80 kg	176 lbs/ 80 kg

LAVINA ELITE PRE-SEPARATOR

PSE



WORKS BETWEEN THE GRINDER AND THE VACUUM TO CATCH 95% OF THE DUST BEFORE IT REACHES THE VACUUM.

A MUST-HAVE FOR HEAVY GRINDING JOBS.

Extends vacuum filter life and reduces the need to clean and replace it.

Large dust chamber allows for less frequent cleaning.

Can be used with all Lavina vacuums.

Compact design and light construction for easy transportation.

New easier to mount Longopac attachment.

Easy maintenance.

PSE Technical Data

Longopac	yes
Main Vacuum Hose	3 in x 6.5 ft 75 mm x 2 m
Inlet	Camlock 3"
Outlet	Camlock 3"
Dimensions L x W x H	26x21x53 in 65x52x143 cm
Weight	121 lbs / 55 kg

Accessories for PSE
Camlock Connections:
1. 3"F to 2.5"M
2. 3"F to 2"M
3. 3"M to 2.5"F
4. 3"M to 2"F

PROPANE DUST EXTRACTORS

V38G-X

THE MOST POWERFUL PROPANE VACUUM ON THE MARKET

- Cartridge with 30 sock filters
- 4 Hepa H13 filters
- Automatic filter cleaning
- Integrated preseparator for improved filter life
- Tiltable filter chamber with gas springs to facilitate filter changes
- Dual intake port allows for connecting 2 large grinders via 3" hoses
- Adjustable cleaning interval, an option for forced cleaning, and an option for manual cleaning in emergencies
- EPA & CARB Blue Sky Engine featuring the new Lavina Fuel Minder
- Larger and stronger turning rubber wheels with brakes in front and foam-filled wheels in the back
- Equipped with 2 anti-static hoses with metal camlock and a floor tool kit.



Engine	Kawasaki FX1000V
Engine Capacity	999cc, 61 cu.in.
Propane Tank Capacity	33.5 lbs / 15.2 kg
Main Filter	Cartridge with 30 sock filters
Filter Surface Area	52 ft ² / 4.8 m ²
Filter Cleaning	Automatic
HEPA Surface Area, 4 x H13	108 ft ² / 10 m ²
Max Airflow	736 CFM / 1250 m ³ /h
Max Vacuum	120 in / 0.3 bar
Longopac®	yes
Main Vacuum Hose (Camlock)	3 in x 32 ft / 75 mm x 10 m
Dimensions L x W x H	91x35x68 in / 232x89x173 cm
Weight	1212 lbs / 550 kg



PROPANE DUST EXTRACTORS

V32G-X

- Cartridge with 15 sock filters
- 2 Hepa H13 filters
- Automatic filter cleaning
- Integrated preseparator for improved filter life
- Adjustable cleaning interval, an option for forced cleaning, and an option for manual cleaning in emergencies
- EPA & CARB Blue Sky Engine featuring the new Lavina Fuel Minder
- Equipped with 2 anti-static hoses with metal camlock and a floor tool kit.
- Non-marking rubber tires with brakes



Engine	Kawasaki FX600V
Engine Capacity	603cc, 36.8 cu.in.
Propane Tank Capacity	20 lbs / 9 kg
Main Filter	Cartridge with 15 sock filters
Filter Surface Area	26 ft ² / 2.4 m ²
Filter Cleaning	Automatic
HEPA Surface Area (2 x H13)	53ft ² / 5m ²
Max Airflow	410 CFM / 700 m ³ /h
Max Vacuum	120 in / 0.3 bar
Longopac®	yes
Main Vacuum Hose (Camlock)	3 in x 32 ft / 75 mm x 10 m
Dimensions L x W x H	59x30x64 in / 149x74x164
Weight	850 lbs / 384 kg



PROPANE DUST EXTRACTORS



V25G-X

- Conical main filter
- Hepa H13 filter
- Automatic filter cleaning
- Integrated preseparator for improved filter life
- Adjustable cleaning interval, an option for forced cleaning, and an option for manual cleaning in emergencies
- EPA & CARB Blue Sky Engine featuring the new Lavina Fuel Minder
- Non-marking rubber tires with brakes
- Equipped with 2 anti-static hoses with metal camlock and a floor tool kit.

Engine	Kawasaki FS481V
Engine Capacity	603cc, 36.8 cu.in.
Propane Tank Capacity	20 lbs / 9 kg
Main Filter	Conical Filter
Filter Surface Area	48.4 ft ² / 4.5 m ²
Filter Cleaning	Automatic
HEPA Surface Area (1 x H13)	37.7ft ² / 3.5m ²
Max Airflow	294 CFM / 500 m ³ /h
Max Vacuum	120 in / 0.3 bar
Longopac®	yes
Main Vacuum Hose (Camlock)	2.5 in x 25 ft / 65 mm x 10 m
Dimensions L x W x H	55 x 26 x 64 in / 140 x 66 x 164
Weight	628 lbs / 285 kg



PROPANE DUST EXTRACTORS



V20G-X

- Conical main filter
- Hepa H13 filter
- Manual filter cleaning
- A new large handle in front
- Non-marking rubber tires with brakes
- Equipped with an anti-static hose with metal camlock and a floor tool kit.

Engine	Kawasaki FS481V
Engine Capacity	603cc, 36.8 cu.in.
Propane Tank Capacity	20 lbs / 9 kg
Main Filter	Conical Filter
Filter Surface Area	32 ft ² / 3 m ²
Filter Cleaning	Manual
HEPA Surface Area (1 x H13)	23.7 ft ² / 2.2 m ²
Max Airflow	212 CFM / 360 m ³ /h
Max Vacuum	112.5 in / 0.28 bar
Longopac®	yes
Main Vacuum Hose (Camlock)	2 in x 24 ft / 50 mm x 7.5 m
Dimensions L x W x H	51x26x56 in / 129x67x141
Weight	441 lbs / 200 kg



ELECTRIC DUST EXTRACTORS



V32-X

- Cartridge with 15 sock filters
- 2 Hepa H13 filters
- Automatic filter cleaning
- Integrated preseparator for improved filter life
- Adjustable cleaning interval, an option for forced cleaning, and an option for manual cleaning in emergencies
- Distribution plug for connecting a grinder to the vacuum
- Non-marking rubber tires with brakes
- Equipped with 2 anti-static hoses with metal camlock, and a floor tool kit.

Model	V32-X-230	V32-X-480
Motor	Turbine motor	Turbine motor
Voltage*	3 phase 208V, 60 Hz	3 phase 480V, 60 Hz
Amperage	26.7 Amp	13.7 Amp
Motor Power	10HP / 7.5kW	11.6HP / 8.6kW
Main Filter	Cartridge with 15 sock filters	Cartridge with 15 sock filters
Filter Surface Area	26 ft ² / 2.4m ²	26 ft ² / 2.4m ²
Filter Cleaning	Automatic	Automatic
HEPA Filter Surface Area	53ft ² / 5m ²	53ft ² / 5m ²
Max Airflow	380 CFM / 650 m ³ /h	380 CFM / 650 m ³ /h
Max Vacuum	120 in / 0.3 bar	120 in / 0.3 bar
Longopac®	yes	yes
Main Vacuum Hose (Camlock)	3 in x 32 ft / 75 mm x 10 m	3 in x 32 ft / 75 mm x 10 m
Dimensions L x W x H	59x30x64in / 149x74x164	59x29x65in / 149x74x164
Weight	662 lbs / 300 kg	662 lbs / 300 kg



* Also offered in 400V - V32-X-400.

ELECTRIC DUST EXTRACTORS



V25-X

- Conical main filter
- Hepa H13 filter
- Automatic filter cleaning
- Integrated preseparator for improved filter life
- Adjustable cleaning interval, an option for forced cleaning, and an option for manual cleaning in emergencies
- Non-marking rubber tires with brakes
- Equipped with 2 anti-static hoses with metal camlock, and a floor tool kit.

Model	V25-X-115	V25-X-230
Motor	3 Bypass motors	3 Bypass motors
Voltage	1 phase 115V, 60Hz	1 phase 230V 60 Hz (EU - 50Hz)
Amperage	19.5 Amp	19.5 Amp
Motor Power	3.4HP / 2.5kW	4.9HP / 3.6kW
Main Filter	Conical Filter	Conical Filter
Filter Surface Area	48.4ft ² / 4.5m ²	48.4ft ² / 4.5m ²
Filter Cleaning	Automatic	Automatic
HEPA Filter Surface Area	37.7ft ² / 3.5m ²	37.7ft ² / 3.5m ²
Max Airflow	286 CFM / 486 m ³ /h	380 CFM / 650 m ³ /h
Max Vacuum	81 water lift / 0.2 bar	100.4 water lift / 0.25 bar
Longopac®	yes	yes
Main Vacuum Hose (Camlock)	2.5 in x 32ft / 63 mm x 10m	2.5 in x 32ft / 63mm x 10m
Dimensions L x W x H	37x24x64in / 94x60x162cm	37x24x64in / 94x60x162cm
Weight	247 lbs / 112 kg	247 lbs / 112 kg



ELECTRIC DUST EXTRACTORS



V20-X

- A conical main filter
- Hepa H13 filter
- Manual filter cleaning
- Non-marking rubber tires with brakes
- Equipped with an anti-static hose with metal camlock, and a floor tool kit.

Model	V20-X-115	V20-X-230
Motor	2 Bypass motors	2 Bypass Motors
Voltage	1 phase 115V, 60Hz	1 phase 230V, 60 Hz (EU - 50Hz)
Amperage	15.4 Amp	13 Amp
Motor Power	2.6HP / 1.93KW	3.3HP / 2.4KW
Main Filter	Conical Filter	Conical Filter
Filter Surface Area	32 ft ² / 3m ²	32 ft ² / 3m ²
Filter Cleaning	Manual	Manual
HEPA Filter Surface Area	23.7ft ² / 2.2m ²	23.7ft ² / 2.2m ²
Max Airflow	194 CFM / 330 m ³ /h	257 CFM / 437 m ³ /h
Max Vacuum	86.7 water lift / 0.22 bar	100.4 water lift / 0.25 bar
Longopac®	yes	yes
Main Vacuum Hose (Camlock)	2 in x 24 ft / 50mm x 7.5m	2 in x 24 ft / 50mm x 7.5m
Dimensions L x W x H	33x20x53in / 84x50x140cm	33x20x53in / 84x50x140cm
Weight	170 lbs / 77 kg	170 lbs / 77 kg



LAVINA AIR SCRUBBERS

PORTABLE AIR FILTRATION SYSTEM FOR CLEANER AIR AND SAFER WORK ENVIRONMENT



LA2000

- Heavy-duty construction
- Easy to use and transport
- Large pre-filter area plus Hepa filter
- Two speed motor
- Orange light indicates clogged filter, Red light prompts to change the Hepa filter
- Quiet operation
- 10-inch air exhaust

Model	LA2000-115	LA2000-230
Voltage	1 phase 115 V, 60 Hz	1 phase 230V, 50Hz
Amperage	3.6 / 4.8 Amp, Max. 12 Amp	2.3 Amp, Max. 7.5 Amp
IP (ingress protection)	22	22
Power (full speed)	0.8 HP / 600 W	0.7 HP / 510 W
Speed	1350 / 1680 rpm	1380 rpm
Pre Filter Area	6.89 ft ² / 0.64 m ²	6.89 ft ² / 0.64 m ²
Hepa Classification	H13	H13
HEPA Filter Area	113 ft ² / 10.5 m ²	113 ft ² / 10.5 m ²
Max Airflow	1177 CFM / 2000 m ³ /h	1177 CFM / 2000 m ³ /h
Sound Level	60-67 db(A)	69 db(A)
Dimensions L x W x H	27x17x31 in / 69x43x79 cm	27x17x31 in / 69x43x79 cm
Weight	117 lbs / 53 kg	117 lbs / 53 kg



CLEANING CONTROL JOINTS

NEW!

GRIZZLY BLADE

DESIGNED TO CLEAN OUT EXISTING CONTROL JOINTS BEFORE FILLING

Repairing damaged joints ensures a better looking floor, and decreases the risk of joint edges chipping or spalling in the future. Grizzly blades provide fast and efficient removal of failing or deteriorated epoxy, polyurea, or polyurethane joint fillers.

- Vacuum brazed bond technology with 10 teeth for longer tool life
- Straight, clean cut with one pass, and improved adherence of joint fillers.
- Blade can be used in both directions, wet or dry
- Offered in 7 inch diameter, 7/8 inch arbor



Item Number	Description
GRZ7	Grizzly joints clean out blade, 7 inch, Grit 40

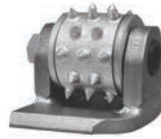


DIAMOND TOOLS YOU CAN COUNT ON.

COATING, GLUE, EPOXY REMOVAL

BUSH HAMMER TOOLS

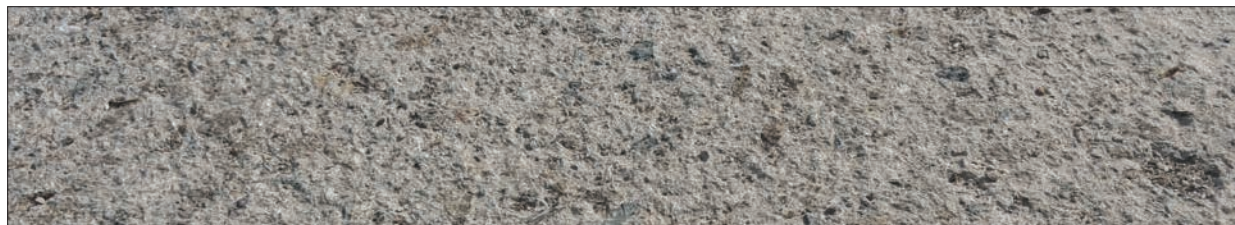
The bush hammers are aggressive one-step method for stripping, cleaning and profiling (CSP 3, 4 and 5) concrete surfaces in preparation for epoxy and self-leveling or polymer overlays. The process is cost-effective, produces very little airborne dust, and it doesn't micro fracture the surface.



Each bush hammer roller is attached to our standard QuickChange trapezoid pad that easily slide in and out the tool holder plate with no bolting required. You can use them on LAVINA and other grinders via QuickChange adapter plates. Always attach the security rings for safe operation with LAVINA grinders.

RECOMMENDED RPM: 550-750 for electric machines; 1800-2100 for propane machines.

Item Number	Description
X-BH-3	QC Bush Hammer tools, set of 3 pcs



CARBIDE SCRAPERS

Ideal for fast removal of thick topical coatings and glues, without damaging the concrete underneath and safe to use on floors that will be polished. They feature replaceable tungsten carbide blades.

Important! The scrapers are direction specific, and are offered in 2 styles for machines with left rotation and right rotation of the heads. Machines with left rotation include all propane models and also 32" electric Elite only.

RECOMMENDED RPM: 550-650 for electric machines; 1800-2100 for propane machines.



Item Number	Description
X-HOLDER-CBL-19	QC Carbide Scraper, right rotation
X-HOLDER-CBL-19-L	QC Carbide Scraper, left rotation (blue)
CBL-19	Square carbide blade (19mm)

COATING, GLUE, EPOXY REMOVAL

PCD TOOLS

Ideal for coating removal and prep for epoxy. Offered with and without a metal button or sacrificial bars. PCDs with a metal button or sacrificial bars are less aggressive and are designed for thin coating removal. PCD's without a metal button or sacrificial bars are very aggressive and designed for thick coating removal. They will leave a very coarse profile on the concrete.

Important! PCD tools are direction specific, and are offered in 2 styles for machines with left rotation and right rotation of the heads. Machines with left rotation include all propane models and also 32" electric Elite only.



RECOMMENDED RPM: 550-650 for electric machines; 1800-2100 for propane machines.

Item Number	Description
X-PCD-SB	QC Trapezoid pad with 2 PCD segments and sacrificial bars
X-PCD-SB-L	QC Trapezoid pad with 2 PCD segment and sac bars, Left rotation (blue)
X1B-PCD2	QC Trapezoid pad with 2 PCD segments and a metal button
X1B-PCD2-L	QC Trapezoid pad with 2 PCD segments and a metal button, Left rotation (blue)
X-PCD	QC Trapezoid pad with 2 PCD segments, standard
X-PCD-L	QC Trapezoid pad with 2 PCD segments, Left rotation for propane machines (blue)
EPCD	NEW! QC Trapezoid pad with 2 PCD segments, Economy style
EPCDL	NEW! QC Trapezoid pad with 2 PCD segments, Economy style, Left rotation (blue)
EPCDSB	NEW! QC Trapezoid pad with 2 PCD segments and sac bars, Economy style
EPCDSBL	NEW! QC Trapezoid pad with 2 PCD segments and sac bars, Economy Style, Left rotation (blue)

BRAZED PADS FOR LIPPAGE REMOVAL

Recommended for lippage grinding, floor leveling, as well as thin coating removal. They perform excellent on concrete, natural, and engineered stones. Brazed lippage pads are with a velcro-backed attachment, and are for wet applications only. Offered in 3" and 4" size.



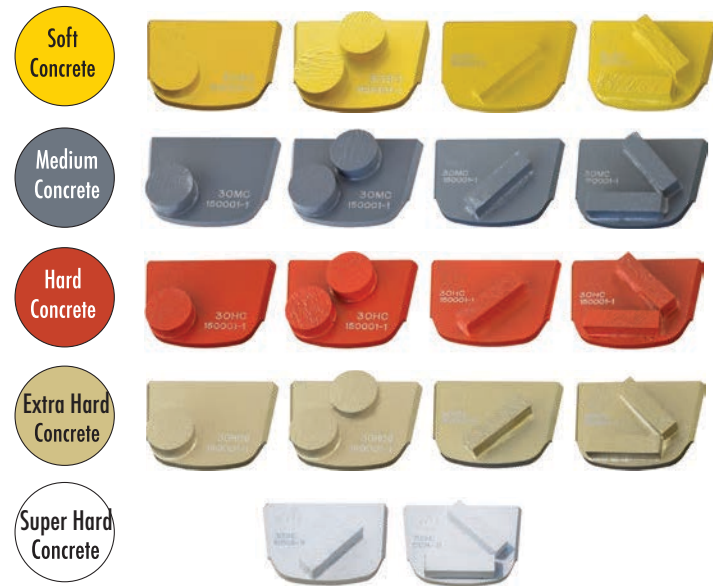
Item Number	Description	Size	Grit	Bond
CEM3-030BR	Vacuum Brazed Pad for Lippage, 30 Grit	3in / 80mm	30	brazed
CEM3-050BR	Vacuum Brazed Pad for Lippage, 50 Grit	3in / 80mm	50	brazed
CEM3-100BR	Vacuum Brazed Pad for Lippage, 100 Grit	3in / 80mm	100	brazed
CEM3-200BR	Vacuum Brazed Pad for Lippage, 200 Grit	3in / 80mm	200	brazed

CONCRETE GRINDING

QUICK CHANGE METAL BOND TOOLS

Our Quick Change system features replaceable trapezoid-style pads that easily slide in and out of the machine plates or heads, with no bolting required. QC tools are offered in separate bonds for soft, medium, hard, extra hard and super hard concrete. **RECOMMENDED RPM: 550-650 for electric machines; 1800-2100 for propane machines.**

For tool holder plates for other grinding machines see the Adapter Plates section on page 72.



- Use the rectangular segment tools for a more aggressive cut, and for non-cementitious coating removal.
- Use the round button tools for cementitious coating removal.
- Use single segment tools with lighter machines (under 25-inch).
- Use double segment tools with heavier machines - 25-inch and up.
- For a more aggressive cut, use the single rectangular segment tools during the first grinding step on all machines (tool life can vary based on the concrete hardness).

MOHS' HARDNESS PICK SET

An essential tool for determining the concrete hardness (via scratch testing) and choosing the correct metal bond.



Mohs' Scale	Recommended metal bond tools
2-3	● Yellow bond for Soft Concrete
3-5	● Grey bond for Medium Concrete
5-7	● Red bond for Hard Concrete
7-9	● Gold and White bonds for Very Hard Concrete

CONCRETE GRINDING



Concrete with a PSI under 2500 is considered to be soft, and we recommend using our Yellow bond.



One Button QC for SOFT Concrete Grinding (Yellow)

Item Number	Description	Tool Color	Grit	Thickness (mm)
X1B-SC-0006	QuickChange single button tool for soft concrete	yellow	6	10 mm
X1B-SC-0014	QuickChange single button tool for soft concrete	yellow	14	10 mm
X1B-SC-0030	QuickChange single button tool for soft concrete	yellow	30	10 mm
X1B-SC-0050	QuickChange single button tool for soft concrete	yellow	50	10 mm
X1B-SC-0070	QuickChange single button tool for soft concrete	yellow	70	10 mm
X1B-SC-0120	QuickChange single button tool for soft concrete	yellow	120	10 mm

Two Button QC for SOFT Concrete Grinding (Yellow)

Item Number	Description	Tool Color	Grit	Thickness (mm)
X2B-SC-0006	QuickChange two button tool for soft concrete	yellow	6	10 mm
X2B-SC-0014	QuickChange two button tool for soft concrete	yellow	14	10 mm
X2B-SC-0030	QuickChange two button tool for soft concrete	yellow	30	10 mm
X2B-SC-0050	QuickChange two button tool for soft concrete	yellow	50	10 mm
X2B-SC-0070	QuickChange two button tool for soft concrete	yellow	70	10 mm
X2B-SC-0120	QuickChange two button tool for soft concrete	yellow	120	10 mm

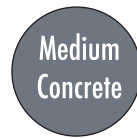
One Rectangular Segment QC for SOFT Concrete Grinding (Yellow)

Item Number	Description	Tool Color	Grit	Thickness (mm)
X1S-SC-0006	QuickChange single segment tool for soft concrete	yellow	6	10 mm
X1S-SC-0014	QuickChange single segment tool for soft concrete	yellow	14	10 mm
X1S-SC-0030	QuickChange single segment tool for soft concrete	yellow	30	10 mm
X1S-SC-0050	QuickChange single segment tool for soft concrete	yellow	50	10 mm
X1S-SC-0070	QuickChange single segment tool for soft concrete	yellow	70	10 mm
X1S-SC-0120	QuickChange single segment tool for soft concrete	yellow	120	10 mm

Two Rectangular Segment QC for SOFT Concrete Grinding (Yellow)

Item Number	Description	Tool Color	Grit	Thickness (mm)
X2S-SC-0006	QuickChange two segment tool for soft concrete	yellow	6	10 mm
X2S-SC-0014	QuickChange two segment tool for soft concrete	yellow	14	10 mm
X2S-SC-0030	QuickChange two segment tool for soft concrete	yellow	30	10 mm
X2S-SC-0050	QuickChange two segment tool for soft concrete	yellow	50	10 mm
X2S-SC-0070	QuickChange two segment tool for soft concrete	yellow	70	10 mm
X2S-SC-0120	QuickChange two segment tool for soft concrete	yellow	120	10 mm

CONCRETE GRINDING



Concrete with a PSI between 2500 and 4000 is considered to be medium, and we recommend using our Gray bond.



Gray Series, Single Button QC for MEDIUM Concrete

Item Number	Description	Tool Color	Grit	Thickness (mm)
X1B-MC-0006	QuickChange single button tool for medium concrete	gray	6	10 mm
X1B-MC-0014	QuickChange single button tool for medium concrete	gray	14	10 mm
X1B-MC-0030	QuickChange single button tool for medium concrete	gray	30	10 mm
X1B-MC-0050	QuickChange single button tool for medium concrete	gray	50	10 mm
X1B-MC-0070	QuickChange single button tool for medium concrete	gray	70	10 mm
X1B-MC-0120	QuickChange single button tool for medium concrete	gray	120	10 mm

Gray Series, Two Button QC for MEDIUM Concrete

Item Number	Description	Tool Color	Grit	Thickness (mm)
X2B-MC-0006	QuickChange gray button tool for medium concrete	gray	6	10 mm
X2B-MC-0014	QuickChange gray button tool for medium concrete	gray	14	10 mm
X2B-MC-0030	QuickChange gray button tool for medium concrete	gray	30	10 mm
X2B-MC-0050	QuickChange gray button tool for medium concrete	gray	50	10 mm
X2B-MC-0070	QuickChange gray button tool for medium concrete	gray	70	10 mm
X2B-MC-0120	QuickChange gray button tool for medium concrete	gray	120	10 mm

Gray Series, One Rectangular Segment QC for MEDIUM Concrete

Item Number	Description	Tool Color	Grit	Thickness (mm)
X1S-MC-0006	QuickChange single segment tool for medium concrete	gray	6	10 mm
X1S-MC-0014	QuickChange single segment tool for medium concrete	gray	14	10 mm
X1S-MC-0030	QuickChange single segment tool for medium concrete	gray	30	10 mm
X1S-MC-0050	QuickChange single segment tool for medium concrete	gray	50	10 mm
X1S-MC-0070	QuickChange single segment tool for medium concrete	gray	70	10 mm
X1S-MC-0120	QuickChange single segment tool for medium concrete	gray	120	10 mm

Gray Series, Two Rectangular Segment QC for MEDIUM Concrete

Item Number	Description	Tool Color	Grit	Thickness (mm)
X2S-MC-0006	QuickChange two segment tool for medium concrete	gray	6	10 mm
X2S-MC-0014	QuickChange two segment tool for medium concrete	gray	14	10 mm
X2S-MC-0030	QuickChange two segment tool for medium concrete	gray	30	10 mm
X2S-MC-0050	QuickChange two segment tool for medium concrete	gray	50	10 mm
X2S-MC-0070	QuickChange two segment tool for medium concrete	gray	70	10 mm
X2S-MC-0120	QuickChange two segment tool for medium concrete	gray	120	10 mm

CONCRETE GRINDING



Concrete with a PSI between 4000 and 5500 is considered to be hard, and we recommend using our Red bond.



Red Series, One Button QC for HARD Concrete

Item Number	Description	Tool Color	Grit	Thickness (mm)
X1B-HC-0030	QuickChange single button tool for hard concrete	red	30	10 mm
X1B-HC-0050	QuickChange single button tool for hard concrete	red	50	10 mm
X1B-HC-0070	QuickChange single button tool for hard concrete	red	70	10 mm
X1B-HC-0120	QuickChange single button tool for hard concrete	red	120	10 mm

Red Series, Two Button QC for HARD Concrete

Item Number	Description	Tool Color	Grit	Thickness (mm)
X2B-HC-0030	QuickChange two button tool for hard concrete	red	30	10 mm
X2B-HC-0050	QuickChange two button tool for hard concrete	red	50	10 mm
X2B-HC-0070	QuickChange two button tool for hard concrete	red	70	10 mm
X2B-HC-0120	QuickChange two button tool for hard concrete	red	120	10 mm

Red Series, One Rectangular Segment QC for HARD Concrete

Item Number	Description	Tool Color	Grit	Thickness (mm)
X1S-HC-0030	QuickChange single segment tool for hard concrete	red	30	10 mm
X1S-HC-0050	QuickChange single segment tool for hard concrete	red	50	10 mm
X1S-HC-0070	QuickChange single segment tool for hard concrete	red	70	10 mm
X1S-HC-0120	QuickChange single segment tool for hard concrete	red	120	10 mm

Red Series, Two Rectangular Segment QC for HARD Concrete

Item Number	Description	Tool Color	Grit	Thickness (mm)
X2S-HC-0030	QuickChange two segment tool for hard concrete	red	30	10 mm
X2S-HC-0050	QuickChange two segment tool for hard concrete	red	50	10 mm
X2S-HC-0070	QuickChange two segment tool for hard concrete	red	70	10 mm
X2S-HC-0120	QuickChange two segment tool for hard concrete	red	120	10 mm

CONCRETE GRINDING



Concrete with PSI greater than 5500 is considered to be super hard, and we recommend using our Gold bond.



Gold Series, One Button

Item Number	Description	Tool Color	Grit	Thickness (mm)
X1B-HCG-0030	QuickChange one button tool for extra hard concrete	gold	30	10 mm
X1B-HCG-0050	QuickChange one button tool for extra hard concrete	gold	50	10 mm
X1B-HCG-0070	QuickChange one button tool for extra hard concrete	gold	70	10 mm
X1B-HCG-0120	QuickChange one button tool for extra hard concrete	gold	120	10 mm

Gold Series, Two Button

Item Number	Description	Tool Color	Grit	Thickness (mm)
X2B-HCG-0030	QuickChange two button tool for extra hard concrete	gold	30	10 mm
X2B-HCG-0050	QuickChange two button tool for extra hard concrete	gold	50	10 mm
X2B-HCG-0070	QuickChange two button tool for extra hard concrete	gold	70	10 mm
X2B-HCG-0120	QuickChange two button tool for extra hard concrete	gold	120	10 mm

Gold Series, One Rectangular Segment

Item Number	Description	Segments	Grit	Thickness (mm)
X1S-HCG-0030	QuickChange one segment tool for extra hard concrete	gold	30	10 mm
X1S-HCG-0050	QuickChange one segment tool for extra hard concrete	gold	50	10 mm
X1S-HCG-0070	QuickChange one segment tool for extra hard concrete	gold	70	10 mm
X1S-HCG-0120	QuickChange one segment tool for extra hard concrete	gold	120	10 mm

Gold Series, Two Rectangular Segment

Item Number	Description	Tool Color	Grit	Thickness (mm)
X2S-HCG-0030	QuickChange two segment tool for extra hard concrete	gold	30	10 mm
X2S-HCG-0050	QuickChange two segment tool for extra hard concrete	gold	50	10 mm
X2S-HCG-0070	QuickChange two segment tool for extra hard concrete	gold	70	10 mm
X2S-HCG-0120	QuickChange two segment tool for extra hard concrete	gold	120	10 mm

CONCRETE GRINDING



Concrete with PSI over 7000 is considered extra hard, and we recommend using our White bond.



White Series, One Rectangular Segment

Item Number	Description	Segments	Grit	Thickness (mm)
X1S-SHC-0030	QuickChange one segment tool for super hard concrete	white	30	10 mm
X1S-SHC-0050	QuickChange one segment tool for super hard concrete	white	50	10 mm
X1S-SHC-0070	QuickChange one segment tool for super hard concrete	white	70	10 mm
X1S-SHC-0120	QuickChange one segment tool for super hard concrete	white	120	10 mm

White Series, Two Rectangular Segment

Item Number	Description	Segments	Grit	Thickness (mm)
X2S-SHC-0030	QuickChange two segment tool for super hard concrete	white	30	10 mm
X2S-SHC-0050	QuickChange two segment tool for super hard concrete	white	50	10 mm
X2S-SHC-0070	QuickChange two segment tool for super hard concrete	white	70	10 mm
X2S-SHC-0120	QuickChange two segment tool for super hard concrete	white	120	10 mm



CONCRETE GRINDING

SA SUPERTHICK DISCS IN METAL BOND

Ideal for grinding concrete, natural stone, self-leveling and terrazzo floors! The SA metal discs provide a great first cut with a smooth and refined scratch pattern. Offered with velcro backing in 3-inch and 4-inch sizes - these should be used WET only. Also offered in a Quick Change style which can be used wet or dry.

QUICK CHANGE ATTACHMENT



VELCRO ATTACHMENT



RECOMMENDED RPM: 650-750 for electric machines; 2100-2500 for propane machines.

Item Number	Description	Size	Grit	Bond	Thickness
XQC-SA-046MB	SA Superthick disc, Quick Change attachment	3in / 80mm	46	metal	4 mm
XQC-SA-070MB	SA Superthick disc, Quick Change attachment	3in / 80mm	70	metal	4 mm
XQC-SA-120MB	SA Superthick disc, Quick Change attachment	3in / 80mm	120	metal	4 mm
XQC-SA-220MB	SA Superthick disc, Quick Change attachment	3in / 80mm	220	metal	4 mm

Item Number	Description	Size	Grit	Bond	Thickness
SA-0046MB	SA Superthick disc, WET, Velcro attachment	3in / 80mm	46	metal	4 mm
SA-0070MB	SA Superthick disc, WET, Velcro attachment	3in / 80mm	70	metal	4 mm
SA-0120MB	SA Superthick disc, WET, Velcro attachment	3in / 80mm	120	metal	4 mm
SA-0220MB	SA Superthick disc, WET, Velcro attachment	3in / 80mm	220	metal	4 mm
SA-0400MB	SA Superthick disc, WET, Velcro attachment	3in / 80mm	400	metal	4 mm

CALIBRA CERAMIC DISCS

Calibra discs are designed for the removal of difficult scratches which are left behind by the metal bond grinding steps. These are best for hard and medium concrete applications (their life is shorter on soft or abrasive floors), and should be used DRY. Offered in 3 and 4 Inch sizes with velcro attachment.

VELCRO ATTACHMENT



RECOMMENDED RPM: 650-800 for electric machines; 2100-2600 for propane machines.

Item Number	Description	Size	Grit	Thickness
CA3-30	Calira ceramic disc, DRY, Velcro attachment	3in / 76mm	30	10 mm
CA3-50	Calira ceramic disc, DRY, Velcro attachment	3in / 76mm	50	10 mm
CA3-100	Calira ceramic disc, DRY, Velcro attachment	3in / 76mm	100	10 mm
CA3-200	Calira ceramic disc, DRY, Velcro attachment	3in / 76mm	200	10 mm

Item Number	Description	Size	Grit	Thickness
CA4-40	Calira ceramic disc, DRY, Velcro attachment	4in / 101.6mm	40	10 mm
CA4-50	Calira ceramic disc, DRY, Velcro attachment	4in / 101.6mm	50	10 mm
CA4-100	Calira ceramic disc, DRY, Velcro attachment	4in / 101.6mm	100	10 mm
CA4-200	Calira ceramic disc, DRY, Velcro attachment	4in / 101.6mm	200	10 mm

CONCRETE GRINDING

HD COPPER DISCS

The HD Coppers can be used for the first grinding steps on big box retail projects, and provide a fast cut and long tool life. They are now offered in 2 styles - with velcro attachment and a Quick Change attachment, and should be used WET.

QUICK CHANGE ATTACHMENT



VELCRO ATTACHMENT



RECOMMENDED RPM: 650-800 for electric machines; 2100-2600 for propane machines.

Item Number	Description	Size	Grit	Bond	Thickness
XQCHDC050	HD COPPER disc, Wet, WET, Quick Change attachment	3in / 76mm	50	copper	8 mm
XQCHDC0100	HD COPPER disc, Wet, WET, Quick Change attachment	3in / 76mm	100	copper	8 mm
XQCHDC0200	HD COPPER disc, Wet, WET, Quick Change attachment	3in / 76mm	200	copper	8 mm
XQCHDC0400	HD COPPER disc, Wet, WET, Quick Change attachment	3in / 76mm	400	copper	8 mm

Item Number	Description	Size	Grit	Bond	Thickness
HD-3-CO-0050-R	HD COPPER disc, WET, Velcro attachment	3in / 76mm	50	copper	8 mm
HD-3-CO-0100-R	HD COPPER disc, WET, Velcro attachment	3in / 76mm	100	copper	8 mm
HD-3-CO-0200-R	HD COPPER disc, WET, Velcro attachment	3in / 76mm	200	copper	8 mm
HD-3-CO-0400-R	HD COPPER disc, WET, Velcro attachment	3in / 76mm	400	copper	8 mm

CORSA HYBRID DISCS

A new hybrid tool that is ideal for scratch removal and transitioning from metals to resins - similar to Calibra discs but the ceramic bond has been modified so that they can be used on all types of concrete. Best for dry applications.

QUICK CHANGE ATTACHMENT



VELCRO ATTACHMENT



RECOMMENDED RPM: 650-800 for electric machines; 2100-2600 for propane machines.

Item Number	Description	Size	Grit	Thickness
XQCOR030	Corsa Hybrid disc, DRY, Quick Change attachment	3in / 76mm	30	15 mm
XQCOR050	Corsa Hybrid disc, DRY, Quick Change attachment	3in / 76mm	50	15 mm
XQCOR100	Corsa Hybrid disc, DRY, Quick Change attachment	3in / 76mm	100	15 mm
XQCOR200	Corsa Hybrid disc, DRY, Quick Change attachment	3in / 76mm	200	15 mm

Item Number	Description	Size	Grit	Thickness
CORSA030	Corsa Hybrid disc, DRY, Velcro attachment	3in / 76mm	30	15 mm
CORSA050	Corsa Hybrid disc, DRY, Velcro attachment	3in / 76mm	50	15 mm
CORSA100	Corsa Hybrid disc, DRY, Velcro attachment	3in / 76mm	100	15 mm
CORSA200	Corsa Hybrid disc, DRY, Velcro attachment	3in / 76mm	200	15 mm

3-STEP CONCRETE POLISHING SYSTEM, DRY

Three 3-inch pads, featuring a new proprietary resin bond formula, and suitable for any type of concrete. For best results, use them DRY. The floor should be cut to 120 grit with a metal or hybrid diamond tool, and densified, if necessary, before starting with Step 1.

QUICK CHANGE ATTACHMENT



VELCRO ATTACHMENT



Item Number	Description	Size	Thickness
XQC3S1	3-Step Floor Polishing System, Quick Change Attachment, Step 1	3in / 77mm	9 mm
XQC3S2	3-Step Floor Polishing System, Quick Change Attachment, Step 2	3in / 77mm	9 mm
XQC3S3	3-Step Floor Polishing System, Quick Change Attachment, Step 3	3in / 77mm	9 mm

Item Number	Description	Size	Thickness
3S-1	3-Step Floor Polishing System, Velcro Attachment, Step 1	3in / 77mm	9 mm
3S-2	3-Step Floor Polishing System, Velcro Attachment, Step 2	3in / 77mm	9 mm
3S-3	3-Step Floor Polishing System, Velcro Attachment, Step 3	3in / 77mm	9 mm

TRAPEZOID POLISHING PADS

A new trapezoid shape tool with extra thick layer of resin and diamonds for efficient honing and polishing. Offered with Quick Change attachment only. Can be used wet or dry.



RECOMMENDED RPM: for up to 120 grit tools - 650-750 rpm on electric machines; 1800-2100 on propane machines; for 200 grit and up - 800-1100 rpm on electric machines; 2600-3600 rpm on propane machines.

Item Number	Description	Size	Thickness
XQCPOL0030	Trapezoid Polishing Pad, Quick Change Attachment, 30 Grit	standard	15 mm
XQCPOL0050	Trapezoid Polishing Pad, Quick Change Attachment, 50 Grit	standard	15 mm
XQCPOL0100	Trapezoid Polishing Pad, Quick Change Attachment, 100 Grit	standard	15 mm
XQCPOL0200	Trapezoid Polishing Pad, Quick Change Attachment, 200 Grit	standard	15 mm
XQCPOL0400	Trapezoid Polishing Pad, Quick Change Attachment, 400 Grit	standard	15 mm
XQCPOL0800	Trapezoid Polishing Pad, Quick Change Attachment, 800 Grit	standard	15 mm
XQCPOL1500	Trapezoid Polishing Pad, Quick Change Attachment, 1500 Grit	standard	15 mm
XQCPOL3000	Trapezoid Polishing Pad, Quick Change Attachment, 3000 Grit	standard	15 mm

HD RESIN PADS

Designed for heavier grinders (30-inch and up). Make sure you add weights if you are using them on lighter machines. Can be used dry or wet. Available with velcro and Quick Change attachment. The velcro style is also offered in 4" size. **RECOMMENDED RPM:** for up to 120 grit tools - 650-750 rpm on electric machines; 1800-2100 on propane machines; for 200 grit and up - 800-1100 rpm on electric machines; 2600-3600 rpm on propane machines.

QUICK CHANGE ATTACHMENT



VELCRO ATTACHMENT



Item Number	Description	Size	Thickness
XQCHD030	Heavy Duty Resin Disc, Quick Change Attachment, 30 Grit	3in / 77mm	8 mm
XQCHD050	Heavy Duty Resin Disc, Quick Change Attachment, 50 Grit	3in / 77mm	8 mm
XQCHD100	Heavy Duty Resin Disc, Quick Change Attachment, 100 Grit	3in / 77mm	8 mm
XQCHD200	Heavy Duty Resin Disc, Quick Change Attachment, 200 Grit	3in / 77mm	8 mm
XQCHD400	Heavy Duty Resin Disc, Quick Change Attachment, 400 Grit	3in / 77mm	8 mm
XQCHD800	Heavy Duty Resin Disc, Quick Change Attachment, 800 Grit	3in / 77mm	8 mm
XQCHD1500	Heavy Duty Resin Disc, Quick Change Attachment, 1500 Grit	3in / 77mm	8 mm
XQCHD3000	Heavy Duty Resin Disc, Quick Change Attachment, 3000 Grit	3in / 77mm	8 mm

Item Number	Description	Size	Thickness
HD-3-0030	Heavy Duty Resin Disc, Velcro Attachment, 30 Grit	3in / 77mm	8 mm
HD-3-0050	Heavy Duty Resin Disc, Velcro Attachment, 50 Grit	3in / 77mm	8 mm
HD-3-0100	Heavy Duty Resin Disc, Velcro Attachment, 100 Grit	3in / 77mm	8 mm
HD-3-0200	Heavy Duty Resin Disc, Velcro Attachment, 200 Grit	3in / 77mm	8 mm
HD-3-0400	Heavy Duty Resin Disc, Velcro Attachment, 400 Grit	3in / 77mm	8 mm
HD-3-0800	Heavy Duty Resin Disc, Velcro Attachment, 800 Grit	3in / 77mm	8 mm
HD-3-1500	Heavy Duty Resin Disc, Velcro Attachment, 1500 Grit	3in / 77mm	8 mm
HD-3-3000	Heavy Duty Resin Disc, Velcro Attachment, 3000 Grit	3in / 77mm	8 mm

Item Number	Description	Size	Thickness
HD-4-0030	Heavy Duty Resin Disc, Velcro Attachment, 30 Grit	4in / 101.6mm	8 mm
HD-4-0050	Heavy Duty Resin Disc, Velcro Attachment, 50 Grit	4in / 101.6mm	8 mm
HD-4-0100	Heavy Duty Resin Disc, Velcro Attachment, 100 Grit	4in / 101.6mm	8 mm
HD-4-0200	Heavy Duty Resin Disc, Velcro Attachment, 200 Grit	4in / 101.6mm	8 mm
HD-4-0400	Heavy Duty Resin Disc, Velcro Attachment, 400 Grit	4in / 101.6mm	8 mm
HD-4-0800	Heavy Duty Resin Disc, Velcro Attachment, 800 Grit	4in / 101.6mm	8 mm
HD-4-1500	Heavy Duty Resin Disc, Velcro Attachment, 1500 Grit	4in / 101.6mm	8 mm
HD-4-4000	Heavy Duty Resin Disc, Velcro Attachment, 4000 Grit	4in / 101.6mm	8 mm

NATO® POLISHING DISCS

NATO discs feature a thick 12mm layer of resin and diamonds for extra long life. Wide channels and a unique patented design allow for work on a cleaner surface, ensuring a quality polish. Offered in separate dry and wet resin bond with Quick Change attachment or velcro attachment. The velcro style is also available in a thinner “economy” style (6mm). Use a minimum of three discs per head for optimum performance.

RECOMMENDED RPM: for up to 120 grit tools - 650-750 rpm on electric machines; 1800-2100 on propane machines; for 200 grit and up - 800-1100 rpm on electric machines; 2600-3600 rpm on propane machines.

QUICK CHANGE ATTACHMENT



VELCRO ATTACHMENT



QUICK CHANGE NATO POLISHING DISCS, DRY

Item Number	Description	Size	Thickness
XQCNS0030D	NATO Polishing Disc, Quick Change Attachment, 30 Grit, DRY	3in / 81.5mm	12 mm
XQCNS0050D	NATO Polishing Disc, Quick Change Attachment, 50 Grit, DRY	3in / 81.5mm	12 mm
XQCNS0100D	NATO Polishing Disc, Quick Change Attachment, 100 Grit, DRY	3in / 81.5mm	12 mm
XQCNS0200D	NATO Polishing Disc, Quick Change Attachment, 200 Grit, DRY	3in / 81.5mm	12 mm
XQCNS0400D	NATO Polishing Disc, Quick Change Attachment, 400 Grit, DRY	3in / 81.5mm	12 mm
XQCNS0800D	NATO Polishing Disc, Quick Change Attachment, 800 Grit, DRY	3in / 81.5mm	12 mm
XQCNS1500D	NATO Polishing Disc, Quick Change Attachment, 1500 Grit, DRY	3in / 81.5mm	12 mm
XQCNS3000D	NATO Polishing Disc, Quick Change Attachment, 3000 Grit, DRY	3in / 81.5mm	12 mm

QUICK CHANGE NATO POLISHING DISCS, WET

Item Number	Description	Size	Thickness
XQCNS0030	NATO Polishing Disc, Quick Change Attachment, 30 Grit, WET	3in / 81.5mm	12 mm
XQCNS0050	NATO Polishing Disc, Quick Change Attachment, 50 Grit, WET	3in / 81.5mm	12 mm
XQCNS0120	NATO Polishing Disc, Quick Change Attachment, 120 Grit, WET	3in / 81.5mm	12 mm
XQCNS0220	NATO Polishing Disc, Quick Change Attachment, 220 Grit, WET	3in / 81.5mm	12 mm
XQCNS0400	NATO Polishing Disc, Quick Change Attachment, 400 Grit, WET	3in / 81.5mm	12 mm
XQCNS0800	NATO Polishing Disc, Quick Change Attachment, 800 Grit, WET	3in / 81.5mm	12 mm
XQCNS1800	NATO Polishing Disc, Quick Change Attachment, 1800 Grit, WET	3in / 81.5mm	12 mm
XQCNS3500	NATO Polishing Disc, Quick Change Attachment, 3500 Grit, WET	3in / 81.5mm	12 mm

NATO POLISHING DISCS WITH VELCRO, DRY

Item Number	Description	Size	Thickness
NS-0030D	NATO Polishing Disc, Velcro Attachment, 30 Grit, DRY	3in / 81.5mm	12 mm
NS-0050D	NATO Polishing Disc, Velcro Attachment, 50 Grit, DRY	3in / 81.5mm	12 mm
NS-0100D	NATO Polishing Disc, Velcro Attachment, 100 Grit, DRY	3in / 81.5mm	12 mm
NS-0200D	NATO Polishing Disc, Velcro Attachment, 200 Grit, DRY	3in / 81.5mm	12 mm
NS-0400D	NATO Polishing Disc, Velcro Attachment, 400 Grit, DRY	3in / 81.5mm	12 mm
NS-0800D	NATO Polishing Disc, Velcro Attachment, 800 Grit, DRY	3in / 81.5mm	12 mm
NS-1500D	NATO Polishing Disc, Velcro Attachment, 1500 Grit, DRY	3in / 81.5mm	12 mm
NS-3000D	NATO Polishing Disc, Velcro Attachment, 3000 Grit, DRY	3in / 81.5mm	12 mm



NATO POLISHING DISCS WITH VELCRO, WET

Item Number	Description	Size	Thickness
NS-0030	NATO Polishing Disc, Velcro Attachment, 30 Grit, WET	3in / 81.5mm	12 mm
NS-0050	NATO Polishing Disc, Velcro Attachment, 50 Grit, WET	3in / 81.5mm	12 mm
NS-0120	NATO Polishing Disc, Velcro Attachment, 120 Grit, WET	3in / 81.5mm	12 mm
NS-0220	NATO Polishing Disc, Velcro Attachment, 220 Grit, WET	3in / 81.5mm	12 mm
NS-0400	NATO Polishing Disc, Velcro Attachment, 400 Grit, WET	3in / 81.5mm	12 mm
NS-0800	NATO Polishing Disc, Velcro Attachment, 800 Grit, WET	3in / 81.5mm	12 mm
NS-1800	NATO Polishing Disc, Velcro Attachment, 1800 Grit, WET	3in / 81.5mm	12 mm
NS-3500	NATO Polishing Disc, Velcro Attachment, 3500 Grit, WET	3in / 81.5mm	12 mm



WAFFEL POLISHING PADS

WAFFEL polishing pads are offered in separate wet and dry resin bond with a Quick Change attachment or with a standard velcro attachment. The velcro style Waffels are available in different sizes: 7, 9, 10.63, and 14-inch. **RECOMMENDED RPM:** for up to 120 grit tools - 650-750 rpm on electric machines; 1800-2100 on propane machines; for 200 grit and up - 800-1100 rpm on electric machines; 2600-3600 rpm on propane machines.



QUICK CHANGE WAFFEL PADS, DRY

Item Number	Description	Size	Thickness
XQCWF0030D	WAFFEL Pad, Quick Change Attachment, 30 Grit, DRY	standard	10 mm
XQCWF0050D	WAFFEL Pad, Quick Change Attachment, 50 Grit, DRY	standard	10 mm
XQCWF0100D	WAFFEL Pad, Quick Change Attachment, 100 Grit, DRY	standard	10 mm
XQCWF0200D	WAFFEL Pad, Quick Change Attachment, 200 Grit, DRY	standard	10 mm
XQCWF0400D	WAFFEL Pad, Quick Change Attachment, 400 Grit, DRY	standard	10 mm
XQCWF0800D	WAFFEL Pad, Quick Change Attachment, 800 Grit, DRY	standard	10 mm
XQCWF1500D	WAFFEL Pad, Quick Change Attachment, 1500 Grit, DRY	standard	10 mm

QUICK CHANGE WAFFEL PADS, WET

Item Number	Description	Size	Thickness
XQCWF0050	WAFFEL Pad, Quick Change Attachment, 50 Grit, WET	standard	10 mm
XQCWF0120	WAFFEL Pad, Quick Change Attachment, 120 Grit, WET	standard	10 mm
XQCWF0220	WAFFEL Pad, Quick Change Attachment, 220 Grit, WET	standard	10 mm
XQCWF0400	WAFFEL Pad, Quick Change Attachment, 400 Grit, WET	standard	10 mm
XQCWF0800	WAFFEL Pad, Quick Change Attachment, 800 Grit, WET	standard	10 mm
XQCWF1800	WAFFEL Pad, Quick Change Attachment, 1800 Grit, WET	standard	10 mm

WAFFEL PADS WITH VELCRO, 9-INCH, DRY

Item Number	Description	Size	Thickness
WAFF-9-0030D	WAFFEL Floor Polishing Pad, Velcro Attachment, 30 Grit, DRY	9in / 232mm	10 mm
WAFF-9-0050D	WAFFEL Floor Polishing Pad, Velcro Attachment, 50 Grit, DRY	9in / 232mm	10 mm
WAFF-9-0100D	WAFFEL Floor Polishing Pad, Velcro Attachment, 100 Grit, DRY	9in / 232mm	10 mm
WAFF-9-0200D	WAFFEL Floor Polishing Pad, Velcro Attachment, 200 Grit, DRY	9in / 232mm	10 mm
WAFF-9-0400D	WAFFEL Floor Polishing Pad, Velcro Attachment, 400 Grit, DRY	9in / 232mm	10 mm
WAFF-9-0800D	WAFFEL Floor Polishing Pad, Velcro Attachment, 800 Grit, DRY	9in / 232mm	10 mm
WAFF-9-1500D	WAFFEL Floor Polishing Pad, Velcro Attachment, 1500 Grit, DRY	9in / 232mm	10 mm
WAFF-9-3000D	WAFFEL Floor Polishing Pad, Velcro Attachment, 3000 Grit, DRY	9in / 232mm	10 mm

WAFFEL PADS WITH VELCRO, 9-INCH, WET

Item Number	Description	Size	Thickness
WAFF-9-0050	WAFFEL Floor Polishing Pad, Velcro Attachment, 50 Grit, WET	9in / 232mm	10 mm
WAFF-9-0120	WAFFEL Floor Polishing Pad, Velcro Attachment, 120 Grit, WET	9in / 232mm	10 mm
WAFF-9-0220	WAFFEL Floor Polishing Pad, Velcro Attachment, 220 Grit, WET	9in / 232mm	10 mm
WAFF-9-0400	WAFFEL Floor Polishing Pad, Velcro Attachment, 400 Grit, WET	9in / 232mm	10 mm
WAFF-9-0800	WAFFEL Floor Polishing Pad, Velcro Attachment, 800 Grit, WET	9in / 232mm	10 mm
WAFF-9-1800	WAFFEL Floor Polishing Pad, Velcro Attachment, 1800 Grit, WET	9in / 232mm	10 mm

WAFFEL PADS WITH VELCRO, 10.63-INCH, WET

Item Number	Description	Size	Thickness
WAFF-10.63-0050	WAFFEL Floor Polishing Pad, Velcro Attachment, 50 Grit, WET	10.63in / 270mm	10 mm
WAFF-10.63-0120	WAFFEL Floor Polishing Pad, Velcro Attachment, 120 Grit, WET	10.63in / 270mm	10 mm
WAFF-10.63-0220	WAFFEL Floor Polishing Pad, Velcro Attachment, 220 Grit, WET	10.63in / 270mm	10 mm
WAFF-10.63-0400	WAFFEL Floor Polishing Pad, Velcro Attachment, 400 Grit, WET	10.63in / 270mm	10 mm
WAFF-10.63-0800	WAFFEL Floor Polishing Pad, Velcro Attachment, 800 Grit, WET	10.63in / 270mm	10 mm
WAFF-10.63-1800	WAFFEL Floor Polishing Pad, Velcro Attachment, 1800 Grit, WET	10.63in / 270mm	10 mm
WAFF-10.63-3500	WAFFEL Floor Polishing Pad, Velcro Attachment, 3500 Grit, WET	10.63in / 270mm	10 mm

WAFFEL PADS WITH VELCRO, 14-INCH, WET

Item Number	Description	Size	Thickness
WAFF-14-0050	WAFFEL Floor Polishing Pad, Velcro Attachment, 50 Grit, WET	14in / 355mm	10 mm
WAFF-14-0100	WAFFEL Floor Polishing Pad, Velcro Attachment, 100 Grit, WET	14in / 355mm	10 mm
WAFF-14-0200	WAFFEL Floor Polishing Pad, Velcro Attachment, 200 Grit, WET	14in / 355mm	10 mm
WAFF-14-0400	WAFFEL Floor Polishing Pad, Velcro Attachment, 400 Grit, WET	14in / 355mm	10 mm
WAFF-14-0800	WAFFEL Floor Polishing Pad, Velcro Attachment, 800 Grit, WET	14in / 355mm	10 mm
WAFF-14-1500	WAFFEL Floor Polishing Pad, Velcro Attachment, 1500 Grit, WET	14in / 355mm	10 mm

V-HARR® PREMIUM POLISHING PADS

V-HARR is one of Superabrasive's most versatile and popular polishing tools, designed for mechanically restoring and polishing concrete. Dry use is strongly recommended for concrete applications. V-HARR is also ideal for terrazzo and hard stone floors, and will produce remarkable gloss results on black granite when used wet. Offered with velcro attachment in many popular sizes (5, 7, 9, 10.63, 13, 14 inch), and also with a Quick Change attachment.

RECOMMENDED RPM: for up to 120 grit tools - 650-750 rpm on electric machines; 1800-2100 on propane machines; for 200 grit and up - 800-1100 rpm on electric machines; 2600-3600 rpm on propane machines.

QUICK CHANGE ATTACHMENT FOR 9-INCH HEADS



QUICK CHANGE ATTACHMENT FOR 13-INCH HEADS



QUICK CHANGE V-HARR PADS FOR 9-INCH HEADS

Item Number	Description	Size	Bond
XQCVF0120	V-HARR® Polishing Pad, Dry, Quick Change, 120 Grit	standard	resin
XQCVF0220	V-HARR® Polishing Pad, Dry, Quick Change, 220 Grit	standard	resin
XQCVF0400	V-HARR® Polishing Pad, Dry, Quick Change, 400 Grit	standard	resin
XQCVF0800	V-HARR® Polishing Pad, Dry, Quick Change, 800 Grit	standard	resin
XQCVF1800	V-HARR® Polishing Pad, Dry, Quick Change, 1800 Grit	standard	resin
XQCVF3500	V-HARR® Polishing Pad, Dry, Quick Change, 3500 Grit	standard	resin
XQCVFBUFF	V-HARR® Polishing Pad, Dry, Quick Change, 8500 Grit	standard	resin

QUICK CHANGE V-HARR PADS FOR 13-INCH HEADS

Item Number	Description	Size	Bond
XQC13VF0220	V-HARR® Polishing Pad, Dry, Quick Change, 220 Grit	standard	resin
XQC13VF0400	V-HARR® Polishing Pad, Dry, Quick Change, 400 Grit	standard	resin
XQC13VF0800	V-HARR® Polishing Pad, Dry, Quick Change, 800 Grit	standard	resin
XQC13VF1800	V-HARR® Polishing Pad, Dry, Quick Change, 1800 Grit	standard	resin
XQC13VF3500	V-HARR® Polishing Pad, Dry, Quick Change, 3500 Grit	standard	resin
XQC13VFBUFF	V-HARR® Polishing Pad, Dry, Quick Change, 8500 Grit	standard	resin

V-HARR PADS WITH VELCRO, 9-INCH

Item Number	Description	Size	Bond
VF-9-0050	V-HARR® Polishing Pad, Dry, Velcro Attachment, 50 Grit	9in / 225mm	resin
VF-9-0120	V-HARR® Polishing Pad, Dry, Velcro Attachment, 120 Grit	9in / 225mm	resin
VF-9-0220	V-HARR® Polishing Pad, Dry, Velcro Attachment, 220 Grit	9in / 225mm	resin
VF-9-0400	V-HARR® Polishing Pad, Dry, Velcro Attachment, 400 Grit	9in / 225mm	resin
VF-9-0800	V-HARR® Polishing Pad, Dry, Velcro Attachment, 800 Grit	9in / 225mm	resin
VF-9-1800	V-HARR® Polishing Pad, Dry, Velcro Attachment, 1800 Grit	9in / 225mm	resin
VF-9-3500	V-HARR® Polishing Pad, Dry, Velcro Attachment, 3500 Grit	9in / 225mm	resin
VF-9-BUFF	V-HARR® Polishing Pad, Dry, Velcro Attachment, 8500 Grit	9in / 225mm	resin



V-HARR PADS WITH VELCRO, 10.63-INCH

Item Number	Description	Size	Bond
VF-10.63-0120	V-HARR® Polishing Pad, Dry, Velcro Attachment, 120 Grit	10.63in / 270mm	resin
VF-10.63-0220	V-HARR® Polishing Pad, Dry, Velcro Attachment, 220 Grit	10.63in / 270mm	resin
VF-10.63-0400	V-HARR® Polishing Pad, Dry, Velcro Attachment, 400 Grit	10.63in / 270mm	resin
VF-10.63-0800	V-HARR® Polishing Pad, Dry, Velcro Attachment, 800 Grit	10.63in / 270mm	resin
VF-10.63-1800	V-HARR® Polishing Pad, Dry, Velcro Attachment, 1800 Grit	10.63in / 270mm	resin
VF-10.63-3500	V-HARR® Polishing Pad, Dry, Velcro Attachment, 3500 Grit	10.63in / 270mm	resin
VF-10.63-BUFF	V-HARR® Polishing Pad, Dry, Velcro Attachment, 8500 Grit	10.63in / 270mm	resin

V-HARR PADS WITH VELCRO, 13-INCH

Item Number	Description	Size	Bond
VF-13.5-0220	V-HARR® Polishing Pad, Dry, Velcro Attachment, 220 Grit	13.1in / 333mm	resin
VF-13.5-0400	V-HARR® Polishing Pad, Dry, Velcro Attachment, 400 Grit	13.1in / 333mm	resin
VF-13.5-0800	V-HARR® Polishing Pad, Dry, Velcro Attachment, 800 Grit	13.1in / 333mm	resin
VF-13.5-1800	V-HARR® Polishing Pad, Dry, Velcro Attachment, 1800 Grit	13.1in / 333mm	resin
VF-13.5-3500	V-HARR® Polishing Pad, Dry, Velcro Attachment, 3500 Grit	13.1in / 333mm	resin
VF-13.5-BUFF	V-HARR® Polishing Pad, Dry, Velcro Attachment, 8500 Grit	13.1in / 333mm	resin

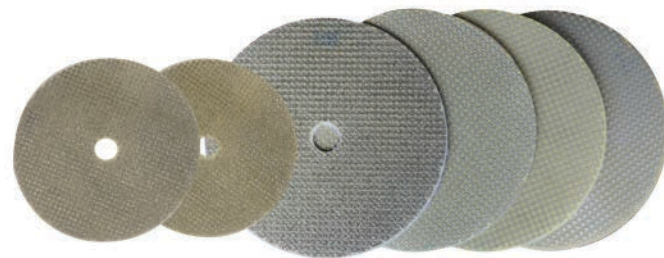


STONE GRINDING AND POLISHING

FLEXIBLE ELECTROPLATED PADS

Designed for fine grinding and honing of natural stone, engineered stone, and fine wood surfaces, but they work best on softer natural stones such as marble, travertine, limestone, and onyx. Available in a variety of sizes for use with various grinding machines - 3, 4, 5, 7 and 9-inches.

Item Number	Description	Size	Grit	Thickness (mm)
3EL-FL-0050	Flexible electroplated pad, 3 inch, 50 grit	3in / 76mm	50	0.5 mm
3EL-FL-0070	Flexible electroplated pad, 3 inch, 70 grit	3in / 76mm	70	0.5 mm
3EL-FL-0120	Flexible electroplated pad, 3 inch, 120 grit	3in / 76mm	120	0.5 mm
3EL-FL-0220	Flexible electroplated pad, 3 inch, 220 grit	3in / 76mm	220	0.5 mm
3EL-FL-0400	Flexible electroplated pad, 3 inch, 400 grit	3in / 76mm	400	0.5 mm
3EL-FL-0600	Flexible electroplated pad, 3 inch, 600 grit	3in / 76mm	600	0.5 mm
4EL-FL-0050	Flexible electroplated pad, 4 inch, 50 grit	4in / 102mm	50	0.5 mm
4EL-FL-0070	Flexible electroplated pad, 4 inch, 70 grit	4in / 102mm	70	0.5 mm
4EL-FL-0120	Flexible electroplated pad, 4 inch, 120 grit	4in / 102mm	120	0.5 mm
4EL-FL-0220	Flexible electroplated pad, 4 inch, 220 grit	4in / 102mm	220	0.5 mm
4EL-FL-0400	Flexible electroplated pad, 4 inch, 400 grit	4in / 102mm	400	0.5 mm
4EL-FL-0600	Flexible electroplated pad, 4 inch, 600 grit	4in / 102mm	600	0.5 mm
5EL-FL-0050	Flexible electroplated pad, 5 inch, 50 grit	5in / 127mm	50	0.5 mm
5EL-FL-0070	Flexible electroplated pad, 5 inch, 70 grit	5in / 127mm	70	0.5 mm
5EL-FL-0120	Flexible electroplated pad, 5 inch, 120 grit	5in / 127mm	120	0.5 mm
5EL-FL-0220	Flexible electroplated pad, 5 inch, 220 grit	5in / 127mm	220	0.5 mm
5EL-FL-0400	Flexible electroplated pad, 5 inch, 400 grit	5in / 127mm	400	0.5 mm
5EL-FL-0600	Flexible electroplated pad, 5 inch, 600 grit	5in / 127mm	600	0.5 mm
7EL-FL-0050	Flexible electroplated pad, 7 inch, 50 grit	7in / 178mm	50	0.5 mm
7EL-FL-0070	Flexible electroplated pad, 7 inch, 70 grit	7in / 178mm	70	0.5 mm
7EL-FL-0120	Flexible electroplated pad, 7 inch, 120 grit	7in / 178mm	120	0.5 mm
7EL-FL-0220	Flexible electroplated pad, 7 inch, 220 grit	7in / 178mm </tr		



STONE GRINDING AND POLISHING

SPIRAL POLISHING PADS

The undisputed solution for polishing natural stone floors. 3-inch resin pads with velcro attachment, offered in two spiral patterns, which allow water to efficiently dispose of slurry, keeping the working surface clean.

SPIRAL PADS for medium to softer stones, such as marble, travertine, onyx, and limestone.

Item Number	Description	Size	Grit	Thickness
10-3-0030	Spiral Pad for Stone, Velcro Attachment, WET, 30 Grit	3in / 76mm	30	6 mm
10-3-0050	Spiral Pad for Stone, Velcro Attachment, WET, 50 Grit	3in / 76mm	50	6 mm
10-3-0120	Spiral Pad for Stone, Velcro Attachment, WET, 120 Grit	3in / 76mm	120	6 mm
10-3-0220	Spiral Pad for Stone, Velcro Attachment, WET, 220 Grit	3in / 76mm	220	6 mm
10-3-0400	Spiral Pad for Stone, Velcro Attachment, WET, 400 Grit	3in / 76mm	400	6 mm
10-3-0800	Spiral Pad for Stone, Velcro Attachment, WET, 800 Grit	3in / 76mm	800	6 mm
10-3-1800	Spiral Pad for Stone, Velcro Attachment, WET, 1800 Grit	3in / 76mm	1800	6 mm
10-3-3500	Spiral Pad for Stone, Velcro Attachment, WET, 3500 Grit	3in / 76mm	3500	6 mm
10-3-8500	Spiral Pad for Stone, Velcro Attachment, WET, 8500 Grit	3in / 76mm	8500	6 mm



SPIRAL PADS WITH WIDE CHANNELS for harder stones, such as granite.

Item Number	Description	Size	Grit	Thickness
10-SA-0050	Spiral Pad for Stone, Wide Channels, Velcro Attachment, WET, 50 Grit	3in / 76mm	50	6 mm
10-SA-0120	Spiral Pad for Stone, Wide Channels, Velcro Attachment, WET, 120 Grit	3in / 76mm	120	6 mm
10-SA-0220	Spiral Pad for Stone, Wide Channels, Velcro Attachment, WET, 220 Grit	3in / 76mm	220	6 mm
10-SA-0400	Spiral Pad for Stone, Wide Channels, Velcro Attachment, WET, 400 Grit	3in / 76mm	400	6 mm
10-SA-0800	Spiral Pad for Stone, Wide Channels, Velcro Attachment, WET, 800 Grit	3in / 76mm	800	6 mm
10-SA-1800	Spiral Pad for Stone, Wide Channels, Velcro Attachment, WET, 1800 Grit	3in / 76mm	1800	6 mm
10-SA-3500	Spiral Pad for Stone, Wide Channels, Velcro Attachment, WET, 3500 Grit	3in / 76mm	3500	6 mm
10-SA-8500	Spiral Pad for Stone, Wide Channels, Velcro Attachment, WET, 8500 Grit	3in / 76mm	8500	6 mm



CORNERS AND EDGES

EDGE MASTER



EDGE MASTER 5-STEP GRINDING SYSTEM

5-inch and 7-inch turbo cups featuring our high performing ceramic bond, offered in 5 different grit sizes to refine and blend your edge work faster and more efficiently. Use the Extra Coarse step only when you need to remove deep scratches and gouges, or any hard topical materials on the edges. In most cases, you can start with the Coarse step. Suitable for wet and dry use, on all types of concrete. Offered with 5/8-11 or M14 threaded attachment, and can be used with most handheld grinders.

Item Number	Description	Size	Grit
EM-5-XC	Edge Master Ceramic Turbo Cup, 5/8-11, Extra Coarse	5in / 125mm	extra coarse
EM-5-C	Edge Master Ceramic Turbo Cup, 5/8-11, Coarse	5in / 125mm	coarse
EM-5-M	Edge Master Ceramic Turbo Cup, 5/8-11, Medium	5in / 125mm	medium
EM-5-F	Edge Master Ceramic Turbo Cup, 5/8-11, Fine	5in / 125mm	fine
EM-5-XF	Edge Master Ceramic Turbo Cup, 5/8-11, Extra Fine	5in / 125mm	extra fine

Item Number	Description	Size	Grit
EM-7-XC	Edge Master Ceramic Turbo Cup, 5/8-11, Extra Coarse	7in / 178mm	extra coarse
EM-7-C	Edge Master Ceramic Turbo Cup, 5/8-11, Coarse	7in / 178mm	coarse
EM-7-M	Edge Master Ceramic Turbo Cup, 5/8-11, Medium	7in / 178mm	medium
EM-7-F	Edge Master Ceramic Turbo Cup, 5/8-11, Fine	7in / 178mm	fine
EM-7-XF	Edge Master Ceramic Turbo Cup, 5/8-11, Extra Fine	7in / 178mm	extra fine

METAL AND COPPER RINGS FOR STONE

These rings are an aggressive solution for removing stock and deep scratches in stone surfaces, including granite, marble, travertine, and others. We do not recommend them for work on concrete or engineered stone. For WET use only! Offered in 3 and 4 Inch.

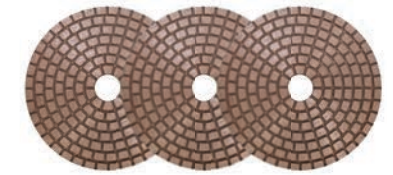


Item Number	Description	Size	Grit	Thickness
SAMBR3-46	Metal bond ring for stone grinding, 3 inch, 46 grit	3in / 76mm	46	6 mm
SAMBR3-70	Metal bond ring for stone grinding, 3 inch, 70 grit	3in / 76mm	70	6 mm
SARBR3-120	Copper bond ring for stone grinding, 3 inch, 120 grit	3in / 76mm	120	6 mm

CORNERS AND EDGES

3N COPPER PADS

An excellent solution for corner grinding and honing. Offered in 4 and 5 inch sizes for use with any hand-held grinder.

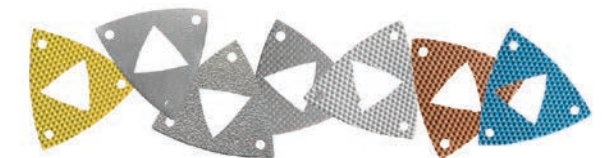


Item Number	Description	Size	Grit	Thickness
3N-4-CO030	3N Copper Pad for Polishing, 4 Inch, 30 Grit	4in / 101.6mm	30	3 mm
3N-4-CO050	3N Copper Pad for Polishing, 4 Inch, 50 Grit	4in / 101.6mm	50	3 mm
3N-4-CO070	3N Copper Pad for Polishing, 4 Inch, 70 Grit	4in / 101.6mm	70	3 mm
3N-4-CO120	3N Copper Pad for Polishing, 4 Inch, 120 Grit	4in / 101.6mm	120	3 mm
3N-4-CO220	3N Copper Pad for Polishing, 4 Inch, 220 Grit	4in / 101.6mm	220	3 mm

Item Number	Description	Size	Grit	Thickness
3N-5-CO030	3N Copper Pad for Polishing, 5 Inch, 30 Grit	5in / 125mm	30	3 mm
3N-5-CO050	3N Copper Pad for Polishing, 5 Inch, 50 Grit	5in / 125mm	50	3 mm
3N-5-CO070	3N Copper Pad for Polishing, 5 Inch, 70 Grit	5in / 125mm	70	3 mm
3N-5-CO120	3N Copper Pad for Polishing, 5 Inch, 120 Grit	5in / 125mm	120	3 mm
3N-5-CO220	3N Copper Pad for Polishing, 5 Inch, 220 Grit	5in / 125mm	220	3 mm

CORNERPRO POLISHING SYSTEM

CornerPro pads feature a special triangular shape for reaching the furthest depths of corners and edges. We offer CornerPro in brazed, resin, and electroplated bonds to accommodate various applications.



Item Number	Description	Size	Bond
3ANG-BR-0046	Triangle-shaped CornerPro tool, brazed bond, 46 grit	standard	brazed
3ANG-EL-0050	Triangle-shaped CornerPro tool, electroplated bond, 50 grit	standard	electroplated
3ANG-EL-0120	Triangle-shaped CornerPro tool, electroplated bond, 120 grit	standard	electroplated
3ANG-EL-0220	Triangle-shaped CornerPro tool, electroplated bond, 220 grit	standard	electroplated
3ANG-EL-0400	Triangle-shaped CornerPro tool, electroplated bond, 400 grit	standard	electroplated
3ANG-EL-0600	Triangle-shaped CornerPro tool, electroplated bond, 600 grit	standard	electroplated
3ANG-ES-0400	Triangle-shaped CornerPro tool, resin bond, 400 grit	standard	resin
3ANG-ES-0600	Triangle-shaped CornerPro tool, resin bond, 600 grit	standard	resin
3ANG-ES-0800	Triangle-shaped CornerPro tool, resin bond, 800 grit	standard	resin
3ANG-ES-1800	Triangle-shaped CornerPro tool, resin bond, 1800 grit	standard	resin

STONE COUNTERTOPS

3N RESIN POLISHING PADS FOR NATURAL STONE

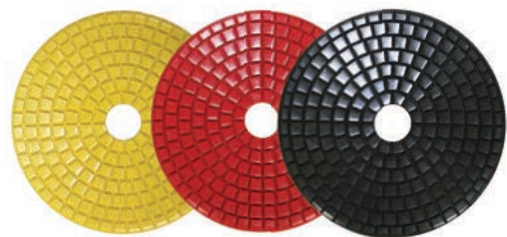
The 3N pads are a flexible and durable solution for polishing marble and granite. Available in a wide variety of sizes including 3, 4, 5, and 7 inches.

3N Resin Polishing Pads, 4 Inch

Item Number	Description	Size	Thickness
3N-4-0050	3N Polishing Pads, 4 Inch, Resin, 50 Grit	4 inch / 101.6 mm	2 mm
3N-4-0120	3N Polishing Pads, 4 Inch, Resin, 120 Grit	4 inch / 101.6 mm	2 mm
3N-4-0220	3N Polishing Pads, 4 Inch, Resin, 220 Grit	4 inch / 101.6 mm	2 mm
3N-4-0400	3N Polishing Pads, 4 Inch, Resin, 400 Grit	4 inch / 101.6 mm	2 mm
3N-4-0800	3N Polishing Pads, 4 Inch, Resin, 800 Grit	4 inch / 101.6 mm	2 mm
3N-4-1800	3N Polishing Pads, 4 Inch, Resin, 1800 Grit	4 inch / 101.6 mm	2 mm
3N-4-3500	3N Polishing Pads, 4 Inch, Resin, 3500 Grit	4 inch / 101.6 mm	2 mm
3N-4-8500	3N Polishing Pads, 4 Inch, Resin, 8500 Grit	4 inch / 101.6 mm	2 mm

3N Resin Polishing Pads, 5 Inch

Item Number	Description	Size	Thickness
3N-5-0050	3N Polishing Pads, 5 Inch, Resin, 50 Grit	5 inch / 125 mm	2 mm
3N-5-0120	3N Polishing Pads, 5 Inch, Resin, 120 Grit	5 inch / 125 mm	2 mm
3N-5-0220	3N Polishing Pads, 5 Inch, Resin, 220 Grit	5 inch / 125 mm	2 mm
3N-5-0400	3N Polishing Pads, 5 Inch, Resin, 400 Grit	5 inch / 125 mm	2 mm
3N-5-0800	3N Polishing Pads, 5 Inch, Resin, 800 Grit	5 inch / 125 mm	2 mm
3N-5-1800	3N Polishing Pads, 5 Inch, Resin, 1800 Grit	5 inch / 125 mm	2 mm
3N-5-3500	3N Polishing Pads, 5 Inch, Resin, 3500 Grit	5 inch / 125 mm	2 mm
3N-5-8500	3N Polishing Pads, 5 Inch, Resin, 8500 Grit	5 inch / 125 mm	2 mm



CONCRETE COUNTERTOPS

3N HIGH PERFORMANCE POLISHING PADS

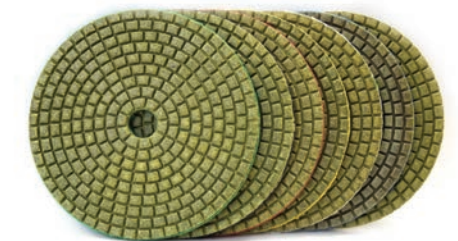
The go to solution for concrete countertop professionals. Produced with a revolutionary dry-only High Performance bond, they achieve an exceptionally smooth and even polish on concrete countertops. Available in 4 and 5 inch sizes, they may also be used with an angle grinder for corner work on concrete floors.

3N High Performance Pads, DRY, 4 Inch

Item Number	Description	Size	Thickness
3N-HP-4-0050	3N High Performance Pads, 4 Inch, Resin, Dry Only, 50 Grit	4in / 99mm	3mm
3N-HP-4-0100	3N High Performance Pads, 4 Inch, Resin, Dry Only, 100 Grit	4in / 99mm	3mm
3N-HP-4-0200	3N High Performance Pads, 4 Inch, Resin, Dry Only, 200 Grit	4in / 99mm	3mm
3N-HP-4-0400	3N High Performance Pads, 4 Inch, Resin, Dry Only, 400 Grit	4in / 99mm	3mm
3N-HP-4-0800	3N High Performance Pads, 4 Inch, Resin, Dry Only, 800 Grit	4in / 99mm	3mm
3N-HP-4-1500	3N High Performance Pads, 4 Inch, Resin, Dry Only, 1500 Grit	4in / 99mm	3mm
3N-HP-4-3000	3N High Performance Pads, 4 Inch, Resin, Dry Only, 3000 Grit	4in / 99mm	3mm
3N-HP-4-BUFF	3N High Performance Pads, 4 Inch, Resin, Dry Only, BUFF Grit	4in / 99mm	3mm

3N High Performance Pads, DRY, 5 Inch

Item Number	Description	Size	Thickness
3N-HP-5-0050	3N High Performance Pads, 5 Inch, Resin, Dry Only, 50 Grit	5in / 125mm	3mm
3N-HP-5-0100	3N High Performance Pads, 5 Inch, Resin, Dry Only, 100 Grit	5in / 125mm	3mm
3N-HP-5-0200	3N High Performance Pads, 5 Inch, Resin, Dry Only, 200 Grit	5in / 125mm	3mm
3N-HP-5-0400	3N High Performance Pads, 5 Inch, Resin, Dry Only, 400 Grit	5in / 125mm	3mm
3N-HP-5-0800	3N High Performance Pads, 5 Inch, Resin, Dry Only, 800 Grit	5in / 125mm	3mm
3N-HP-5-1500	3N High Performance Pads, 5 Inch, Resin, Dry Only, 1500 Grit	5in / 125mm	3mm
3N-HP-5-3000	3N High Performance Pads, 5 Inch, Resin, Dry Only, 3000 Grit	5in / 125mm	3mm
3N-HP-5-BUFF	3N High Performance Pads, 5 Inch, Resin, Dry Only, BUFF Grit	5in / 125mm	3mm





FLOOR MAINTENANCE

ShinePro® Diamond System

FOR CLEANER, BRIGHTER, SAFER FLOORS

ShinePro is an efficient and versatile solution for floor restoration and maintenance in different facilities:

- ✓ Retail
- ✓ Educational
- ✓ Institutional
- ✓ Industrial

ShinePro offers outstanding results and cost savings, and is ideal for use on:

- ✓ Polished concrete
- ✓ Natural stone
- ✓ Terrazzo and VCT
- ✓ Resin floors and Overlays.

SHINEPRO® DIAMOND PADS



GREEN 220 GRIT ROSE 400 GRIT BEIGE 800 GRIT YELLOW 1800 GRIT WHITE BUFF

SHINEPRO® DIAMOND SCREENS



RED 220 GRIT ORANGE 400 GRIT GOLD 600 GRIT

SHINEPRO® DIAMOND PADS

ShinePro diamond pads can be used Dry on high speed burnishers, and Wet on auto scrubbers, buffers and other floor machines. For wet applications, use them with water, or any approved cleaning solution (follow the chemical application directions exactly). It is very important that operators not over apply cleaners to the floor, as this can leave behind residue and interfere with the floor shine.

Offered in 7, 8, 9, 12, 13, 14, 15, 16, 17, 18, 20, 21, 24 and 27 inch sizes.

ShinePro® Pads, 17 Inch

Item Number	Description	Size	Grit
DCP-17-0220-HD	ShinePro® Pads for Floor Maintenance, 17 Inch, 220 Grit	17 in / 432 mm	220
DCP-17-0400-HD	ShinePro® Pads for Floor Maintenance, 17 Inch, 400 Grit	17 in / 432 mm	400
DCP-17-0800	ShinePro® Pads for Floor Maintenance, 17 Inch, 800 Grit	17 in / 432 mm	800
DCP-17-1800	ShinePro® Pads for Floor Maintenance, 17 Inch, 1800 Grit	17 in / 432 mm	1800
DCP-17-BUFF	ShinePro® Pads for Floor Maintenance, 17 Inch, BUFF Grit	17 in / 432 mm	BUFF

ShinePro® Pads, 21 Inch

Item Number	Description	Size	Grit
DCP-21-0220-HD	ShinePro® Pads for Floor Maintenance, 21 Inch, 220 Grit	21 in / 533 mm	220
DCP-21-0400-HD	ShinePro® Pads for Floor Maintenance, 21 Inch, 400 Grit	21 in / 533 mm	400
DCP-21-0800	ShinePro® Pads for Floor Maintenance, 21 Inch, 800 Grit	21 in / 533 mm	800
DCP-21-1800	ShinePro® Pads for Floor Maintenance, 21 Inch, 1800 Grit	21 in / 533 mm	1800
DCP-21-BUFF	ShinePro® Pads for Floor Maintenance, 21 Inch, BUFF Grit	21 in / 533 mm	BUFF

ShinePro® Pads, 27 Inch

Item Number	Description	Size	Grit
DCP-27-0220-HD	ShinePro® Pads for Floor Maintenance, 27 Inch, 220 Grit	27 in / 686 mm	220
DCP-27-0400-HD	ShinePro® Pads for Floor Maintenance, 27 Inch, 400 Grit	27 in / 686 mm	400
DCP-27-0800	ShinePro® Pads for Floor Maintenance, 27 Inch, 800 Grit	27 in / 686 mm	800
DCP-27-1800	ShinePro® Pads for Floor Maintenance, 27 Inch, 1800 Grit	27 in / 686 mm	1800
DCP-27-BUFF	ShinePro® Pads for Floor Maintenance, 27 Inch, BUFF Grit	27 in / 686 mm	BUFF

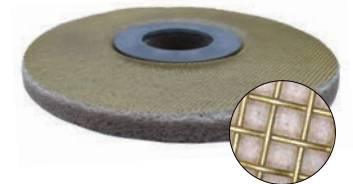


SHINEPRO® DIAMOND SCREENS

ShinePro screens are ideal for spot repair and restoration - you can start with 600 grit screens and continue with ShinePro pads. Heavily etched floors may require starting with 400 grit screens. We recommend using the screens wet - with weighted swing machines for smaller areas and autoscrubbers for larger areas.

Offered in 13, 14, 15, 16, 17, 18, 20, 21, 24 and 27 inch sizes.

PATENTED DESIGN



ShinePro® Screens, Electroplated, 17 Inch

Item Number	Description	Size	Grit
DS-17-0220	ShinePro® Screen, Electroplated, 220 Grit	17 in / 432 mm	220
DS-17-0400	ShinePro® Screen, Electroplated, 400 Grit	17 in / 432 mm	400
DS-17-0600	ShinePro® Screen, Electroplated, 600 Grit	17 in / 432 mm	600

ShinePro® Screens, Electroplated, 21 Inch

Item Number	Description	Size	Grit
DS-21-0220	ShinePro® Screen, Electroplated, 220 Grit	21 in / 533 mm	220
DS-21-0400	ShinePro® Screen, Electroplated, 400 Grit	21 in / 533 mm	400
DS-21-0600	ShinePro® Screen, Electroplated, 600 Grit	21 in / 533 mm	600

ShinePro® Screens, Electroplated, 27 Inch

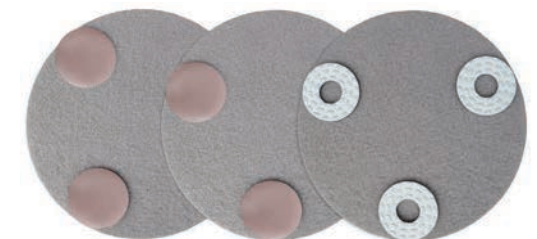
Item Number	Description	Size	Grit
DS-27-0220	ShinePro® Screen, Electroplated, 220 Grit	27 in / 686 mm	220
DS-27-0400	ShinePro® Screen, Electroplated, 400 Grit	27 in / 686 mm	400
DS-27-0600	ShinePro® Screen, Electroplated, 600 Grit	27 in / 686 mm	600

RESTOREPRO SYSTEM

Ideal for concrete and terrazzo spot repair! The RestorePro system consists of three steps / tools:

- Electroplated pad 400 grit (5")
- Electroplated pad 600 grit (5")
- V-Harr polishing pad 800 grit (5").

These 5-inch pads with hook backing can be attached to any non-woven pad (not included). They should be used wet on a low-speed machine (autoscrubbers, swing machines, etc).



Item Number	Description	Size	Grit
5EL400H	Flexible Electroplated Pad with Hook, 400 Grit	5 in / 127 mm	400
5EL600H	Flexible Electroplated Pad with Hook, 600 Grit	5 in / 127 mm	600
VF50800H	V-Harr Polishing Pad with Hook, 800 Grit	5 in / 127 mm	800

ONE FLOOR PROGRAM

KEEP FLOORS CLEAN, BRIGHT AND SAFE.

REPAIR SMALL PROBLEMS BEFORE THEY BECOME BIG PROBLEMS

(traffic patterns, low gloss, stains).

EXTEND THE LIFE OF YOUR FLOORS AND PRESERVE YOUR INVESTMENT.

ONE SIZE DOESN'T FIT ALL - program can be customized to your floor.

First, determine what type of floor you have - mechanically polished or sealed? If your floor is polished, evaluate its condition and decide what level of service it requires. Some sections of the floor may require different levels of maintenance.

ROUTINE MAINTENANCE

FOR NORMAL DAILY MAINTENANCE TO KEEP YOUR FLOOR LOOKING GREAT.

1. Dust mop.
2. Scrub with autoscrubber with ShinePro BUFF pad and DailyKlean.
3. (optional) High-speed burnish 1-3 times a week with ShinePro BUFF pad.



REFRESH MAINTENANCE

TO BRING LIGHTLY STAINED OR DIRTY FLOORS BACK TO EXPECTED GLOSS LEVELS.

1. Dust mop.
2. Scrub with ShinePro 1800 pad for four passes with LSKlean in auto-scrubber.
3. High-speed burnish with ShinePro 1800 grit pad.

Alternate the direction of the auto-scrubber each night, starting at the stopping point from the previous night. Walk at a slower pace at areas with lower gloss or staining.

WHEN THE REFRESH MAINTENANCE PLAN DOES NOT BRING BACK GLOSS OR CLARIFY THE FLOOR AS DESIRED, PROCEED TO THE REVIVE PLAN.

REVIVE MAINTENANCE

FOR LIGHTLY STAINED OR DIRTY FLOORS WHEN THE REFRESH MAINTENANCE DOES NOT BRING BACK DESIRED CLARITY OR GLOSS.

1. Dust mop.
2. Scrub floor with ShinePro 800 grit pad for four passes, then two passes with ShinePro 1800 grit pad using Cleaner/Degreaser in the scrubber mixed at 2oz per gal.*
3. High-speed burnish with ShinePro 1800 grit pad.
4. Dust mop.
5. Apply appropriate Consolideck protective treatment (LSGuard, PolishGuard, Concrete Protector WB, or Concrete Protector SB).
6. High-speed burnish with ShinePro BUFF pad.



SPOT REPAIRS:

1. When Step 2 does not remove acid etches in the floor, it's time for the optional spot repair.
2. Mix Cleaner/Degreaser in a mop bucket or pump-up sprayer at 4oz per gallon.
3. Apply a very heavy application to the area to be repaired and allow to dwell for 10 minutes.
4. Use NSS 17" weighted buffer equipped with a ShinePro 400 grit pad. (If this doesn't work, drop down to a ShinePro 220 grit pad or even a ShinePro 400 grit screen).
5. Scrub floor with ShinePro 800 grit pad for four passes, then two passes with ShinePro 1800 grit pad using Cleaner/Degreaser in the scrubber mixed at 2oz per gal.
6. Apply a thin application of Consolideck LS/CS to the repaired damaged area and allow to dry before proceeding to step 7.
7. High-speed burnish with ShinePro 1800 grit pad.
8. Dust mop.
9. Apply appropriate Consolideck protective treatment (LSGuard, PolishGuard, Concrete Protector WB, or Concrete Protector SB).
10. High-speed burnish with ShinePro BUFF pad.

WHEN THE FLOOR IS TOO DAMAGED AND DOESN'T RESPOND TO THE REVIVE PLAN, IT'S TIME FOR A RESTORATION. PLEASE CONTACT US FOR COMPLETE DETAILS ON THE RESTORATION PROCESS.

ACCESSORIES

PLATES AND ADAPTERS FOR OTHER MACHINES

You can easily use our Quick Change tooling with almost any other grinder on the market. We offer plates or adapters for HTC, Husqvarna, Edco, Scanmaskin, STI, Terrco, and other machines.

Item Number	Description	Size
XQC-HOLDER	QC tool holder adapter for bolting tools - universal bolt-on style	standard
X-HOLDER-STI	QC tool holder adapter for bolting tools to STI machines	standard
X-HOLDER-TER	QC tool holder adapter for bolting tools to Terrco machines	standard
QC-HOLDER-EDCO	QC tool holder adapter for bolting tools to EDCO machines	standard
XP-HTC-9	QC Plate for HTC500 & HTC650	9in / 230mm
XP-HTC-10.63	QC Plate for HTC800, HTC950, SASE6000 & 8000	10.63 in / 270mm
XP-7-EDCO	QC Plate for Edco machines	7in / 178mm
XP-10-EDCO	QC Plate for Edco machines	10in / 254mm
XP-HUSQ-9	QC Plate for Husqvarna PG530 & PG680	9in / 230mm
XP-HUSQ-10.63	QC Plate for Husqvarna PG820 & PG950	10.63in / 270mm
XP-HUSQ-450	QC Plate for Husqvarna PG450	7in / 178mm
XP-Scanmaskin-8.4	QC Plate for Scanmaskin 650	8.4in / 213mm
XP-Scanmaskin-9.5-NEW	QC Plate for Scanmaskin 700/800/1000 new style (after mid 2016)	9.5in / 241mm
XP-Scanmaskin-9.5-OLD	QC Plate for Scanmaskin 700/800/1000 old style (before mid 2016)	9.5in / 241mm



Left to right: Universal Bolt-on Addapter, STI Adapter, Terrco Adapter, Edco Adapter.



Left to right: 10.63-in QC Plate for HTC, 10.63-in QC Plate for Husqvarna, 10-in QC Plate for Edco, 9.5-in QC Plate for Scanmaskin.

LIPPAGE HOLDERS

Great for attaching velcro-backed tools on other machines.



Item Number	Description	Size
XQC-83-LH	Aluminum Lippage Holder, Quick Change style, 3 Inch / 83 mm	3in / 83mm
83LH	Aluminum Lippage Holder, 3 Inch / 83 mm	3in / 83mm
4LH	Aluminum Lippage Holder, 4 Inch / 103 mm	4in / 103mm

ACCESSORIES

NEW! QUICK CHANGE PAD HOLDERS

Designed for attaching floor maintenance pads to Lavina Quick Change heads.

Item Number	Description
XQCPH9	QC Pad Holder for 9" Head (use 3 pcs per head)
XQCPH13	QC Pad Holder for 13" Head (use 6 pcs per head)
A68.00.00	Cap for XQCPH13



RUBBER SPACER WITH HOOK AND LOOP

Serve as a cushion between the diamond pad and the backer.

Item Number	Description	Size
RUB-SP-3	Rubber Spacer with Hook and Loop, 3 Inch	3in / 76mm
RUB-SP-4	Rubber Spacer with Hook and Loop, 4 Inch	4in / 101mm
RUB-SP-5	Rubber Spacer with Hook and Loop, 5 Inch	5in / 125mm
RUB-SP-7	Rubber Spacer with Hook and Loop, 7 Inch	7in / 178mm
RUB-SP-8	Rubber Spacer with Hook and Loop, 8 Inch	8in / 200mm
RUB-SP-9	Rubber Spacer with Hook and Loop, 9 Inch	9in / 229mm

BACKER PADS FOR ANGLE GRINDERS

Aluminum Backer Pads are suitable for Flat Surfaces or Straight Edges, and Flexible Backer Pads are suitable for Corners and curved edges.



Item Number	EU Item Number	Description	Size
3AL-5/8-11	3AL-M14	Aluminum Rigid Backer Pad, 5/8-11 or M14, 3 Inch	3in / 75mm
4AL-5/8-11	4AL-M14	Aluminum Rigid Backer Pad, 5/8-11 or M14, 4 Inch	4in / 95mm
5AL-5/8-11	5AL-M14	Aluminum Rigid Backer Pad, 5/8-11 or M14, 5 Inch	5in / 120mm
7AL-5/8-11	7AL-M14	Aluminum Rigid Backer Pad, 5/8-11 or M14, 7 Inch	7in / 170mm
RB5in-5/8-11-FOAM	RB5-M14-FOAM	Flexible Foam Rubber Backer, 5/8-11 or M14, 5 Inch	5in / 119mm
RB7in-5/8-11-FOAM	RB7-M14-FOAM	Flexible Foam Rubber Backer, 5/8-11 or M14, 7 Inch	7in / 178mm

Business Terms (please call for business terms in Europe)

- Operating business hours are Monday through Friday from 8:30am to 5:00pm EST.
- Orders may be placed via fax or e-mail. A hard copy purchase order is required.
- Orders placed by 3:30p.m. EST will be shipped out the same day in most cases.
- Available shipping options for small packages include: Red (to most locations), 2nd Day, 3rd Day and Ground via UPS.
- All shipments are F.O.B. Atlanta (Hoschton), GA or Krun, Bulgaria unless otherwise stated.
- Shipping charges are based on the package weight, value, and final destination.
- Prices are subject to increase or decrease due to manufacturing cost changes. However, we always strive to deliver the highest quality products at the lowest possible price.
- Payment terms of net 30 days is available with approved credit.
- A late payment charge of 1.5% per month will be added to accounts after 30 days.
- All major credit cards are accepted – Visa, Master Card, American Express and Discover.

Return Policy

- SUPERABRASIVE does not accept returns after 90 days from the date of invoice.
- Before returning items, first contact a representative who will determine the best solution for your individual situation and issue an RA form if needed.
- Returns will not be accepted without a completed RA form and an RA number. RA numbers are issued by sales representatives on a case-by-case basis.
- All returned items are subject to inspection prior to credit processing. In some instances, items can be replaced or repaired.
- A 15% restocking fee will be applied to non-defective product(s) and stock adjustment returns.
- Custom manufactured products cannot be returned (or refunded). Exceptions are made in cases involving manufacturing defects.

Damaged Shipments

- All shipments are carefully inspected before leaving our warehouse. If products are damaged during transit, be sure the driver acknowledges the damage on the delivery documents. If the driver does not acknowledge the damage on the documents, or if the said damage is not reported to the driver, damage costs may not be recuperated.

Liability

- In the case of defective products, SUPERABRASIVE will replace only the quantities determined to be defective.
- We are not liable for any injury, loss, or damage that is caused by improper use of the product(s). It is the responsibility of the customer to educate himself/herself and fully understand the products' intended use; therefore, the customer assumes all risks associated with the use of the product(s).
- Warranties do not apply to any products which have been altered, changed or modified in any way.

Warranty Policy for LAVINA® Machines

“Goods” shall mean a LAVINA grinding/polishing machine purchased from and delivered by Superabrasive or by a Superabrasive-appointed distributor or dealer.

Liability for Defects

Superabrasive warrants, from the time of delivery and receipt by the original customer, new and unused products sold by Superabrasive or Superabrasive-appointed distributors or dealers. Goods shall be free from defects in materials and workmanship.

Superabrasive or a Superabrasive-appointed repair facility shall either replace or repair any defects in the Goods resulting from faulty design, materials, or workmanship. Products repaired or replaced during the warranty period shall be covered by the foregoing warranty for the remainder of the original warranty period, or ninety (90) days from date of the repair or shipment of the replacement, whichever is longer. Spare parts for repair will be either new or equivalent to new. Major components, such as inverters, electric motors, and engines installed at our facility on used machines outside of the original warranty period are covered for 1 year or 300 hours whichever comes first.

LAVINA MACHINES ARE COVERED BY A 2-YEAR / 600 HOURS MACHINE WARRANTY, WHICHEVER COMES FIRST.

Superabrasive will cover the shipping charges for the transportation of the machine to Superabrasive (or an approved repair facility) and back to the customer (within the contiguous 48 United States) in the event that the damage occurs and is reported within the first **200** operating hours. Thereafter, the customer will have to cover the shipping charges to Superabrasive and back.

Complaint

A complaint must be made to Superabrasive or a Superabrasive-appointed distributor or dealer within the warranty period. A valid warranty certificate, or other documents confirming the date of delivery of said Goods, shall be presented at the time of the complaint.

Limitation

Superabrasive will not warranty Goods after the specified warranty period from the time of delivery and receipt by the original customer, or the specified operating hours on the machine - whichever occurs first.

Superabrasive shall not be liable for any defects that are caused by circumstances that occur after the Goods have been delivered and whilst the Goods are in the possession of the purchaser. Furthermore, the warranty does not include normal wear and tear or deterioration. Wear parts are not warranted. Superabrasive is not liable for defects arising out of use of non-OEM parts. Shipping charges, if covered by Superabrasive, must be agreed upon in advance and approved by Superabrasive. After the first 200 operating hours, repairs shall be carried out given that the purchaser at his own expense returns the Goods to Superabrasive, or to a Superabrasive-appointed distributor, dealer or repair facility.

The warranty herein is non-transferable, and only applies to the original owner or purchaser of the machine. A warranty card must be submitted to Superabrasive within 30 days of purchase in order for the foregoing warranty to apply. The warranty card can be either mailed or filed electronically via our website www.superabrasive.us.

The Warranty is void if the purchaser has not followed the maintenance plan stipulated by the machine's manual. The warranty is void if the purchaser repairs said Goods himself, or if repairs are conducted by a repair facility that is not approved by Superabrasive.

Superabrasive's liability does not cover defects which are caused by faulty maintenance, incorrect operation, faulty repair by the purchaser, or by alterations conducted without Superabrasive's prior written consent. The same applies to any alterations of the Goods or services performed by another party other than Superabrasive, a Superabrasive-appointed distributor, or a Superabrasive-approved repair facility. The warranty is not applicable on a defect that arises due to tools or parts that are not original to Superabrasive.

Replaced defective parts shall be placed at Superabrasive's disposal and shall become property of Superabrasive. If such defective parts are replaced within 200 operating hours, the shipping charges will be covered by Superabrasive.

In warranty complaint cases, when no defects are found for which Superabrasive is liable, Superabrasive shall be entitled to compensation for the labor, material cost, and shipping charges, incurred by Superabrasive as a result of the complaint. For answers to questions about Superabrasive's warranty policy regarding LAVINA® machines, please contact us directly.

WARRANTY POLICY

Warranty Policy for LAVINA® Vacuums

To ensure registration and activation of warranty coverage, the warranty card must be mailed to the manufacturer within 30 days from date of purchase; failure to do so may void the warranty. If your warranty card is missing, go to superabrasive.com to complete and submit it online.

Superabrasive offers a guarantee on LAVINA® vacuums, covering manufacturing and material defects, for a period of 24 months from the date of purchase, as invoiced by Superabrasive. The following conditions pertain to this warranty:

- Applies only to the original owner and is not transferable.
- Vacuum must not be dismantled and tampered with in any way.
- This warranty does not cover any failures or defects caused by normal wear and tear, accidental damage, damage during transport, improper handling, repairs conducted by an unauthorized facility (without prior authorization by Superabrasive), or operation that is not in compliance with the instructions provided in this manual. Superabrasive denies all responsibility for damages or injuries, to any persons or objects, caused by improper operation of the vacuum unit.
- This warranty will become invalid in the event that equipment or accessories used on/with the vacuum unit are not supplied or approved by Superabrasive.
- Covered components proven defective will be repaired or replaced at no charge.
- This warranty does not apply to any repair of/to of proprietary parts, nor does it cover cleaning or general maintenance. This warranty does not apply to items with aftermarket alterations, changes, or modifications.
- This warranty is limited to repair or replacement of covered components and reasonable labor expenses.
- In the event of a warranty claim, the vacuum unit must be returned to Superabrasive, or an authorized facility, for a warranty investigation, and subsequent warranty repair or replacement.
- All warranty returns must be shipped freight prepaid.
- This warranty is in lieu of and excludes every condition of warranty not herein expressly set out and all liability for any form of consequential loss or damage is hereby expressly excluded.

Superabrasive agrees to repair or replace, free of charge, any parts which have failed due to manufacturer or material defects. Repairs must only be performed at authorized service facilities that have been approved by Superabrasive. Shipping and handling fees associated with warranty claims must be pre-paid by the customer / claimant.

In the event that a warranty investigation determines that the damage or unit failure is not attributed to manufacturer or material defects, all costs associated with the repair of the vacuum will become the direct responsibility of the claimant. If payment is not rendered for such services, Superabrasive will assume ownership of the machine and any associated parts in possession.

Superabrasive does not authorize any person or representative to make any other warranty, or to assume for us any liability in connection with the sale and operation of our products. The manufacturer is also not liable in the event that the customer fails to submit a Warranty Certificate, fails to follow manual instructions, uses non-original spare parts, or fails to service/clean the vacuum regularly and properly.

Vacuums may not be returned to Superabrasive Inc. for credit or repair without prior authorization. Please contact Superabrasive Inc. or your local distributor for authorization and issuance of a return authorization number. This number along with the serial number of the vacuum must be included on all packages and correspondences. Vacuums returned without prior authorization will remain property of the sender and Superabrasive Inc. will not be responsible for these. No vacuums will be credited after 90 days from the date of Superabrasive's invoice. All returns may be exchanged for other equipment or parts of equal dollar value. If vacuums are not exchanged, they are subject to a fifteen percent (15%) restocking fee.

Headquarters and Sales Office, USA:

Superabrasive, Inc.
9411 Jackson Trail Road
Hoschton, GA, USA 30548
TEL +1 (706) 658-1122
FAX +1 (706) 658-0357
TOLL FREE (800) 987-8403
EMAIL: info@superabrasive.us

Factory & European Sales Office, Bulgaria:

Superabrasive Ltd.
2A Rabolnicheska St.
6140 Krun
Bulgaria
TEL +359 431 64477
FAX +359 431 64466
EMAIL: factory@superabrasive.com

Superabrasive UK:

Superabrasive Ltd.
15 Longfold
Maghull, Liverpool L31 6AF
England
TEL +44 151 286 7748
FAX +44 151 474 8042
EMAIL: office-uk@superabrasive.us

Superabrasive Turkey:

Superabrasive Ltd.
Yukari Dudullu Mah.Nato Yolu Cad.Sevinc Sk.#10
Istanbul, Turkey
TEL +90 216 450 33 98
FAX +90 216 348 95 98
EMAIL: info@superabrasive.com.tr

Superabrasive Ukraine:

Superabrasive Ltd.
Jelezadorojnii pereylok 5-A
Dergachi 62300, Kharkovskaya obl.
Ukraine
TEL: +380 50 615 4234
EMAIL: polyakov@superabrasive.com

Website:

www.superabrasive.com

