



Service • Support • Success

STI PRODUCT CATALOG

U.S. Standard & Metric Measurements



Terrazzo



Concrete

It's a System



Not a Machine



About Substrate Technology, Inc.

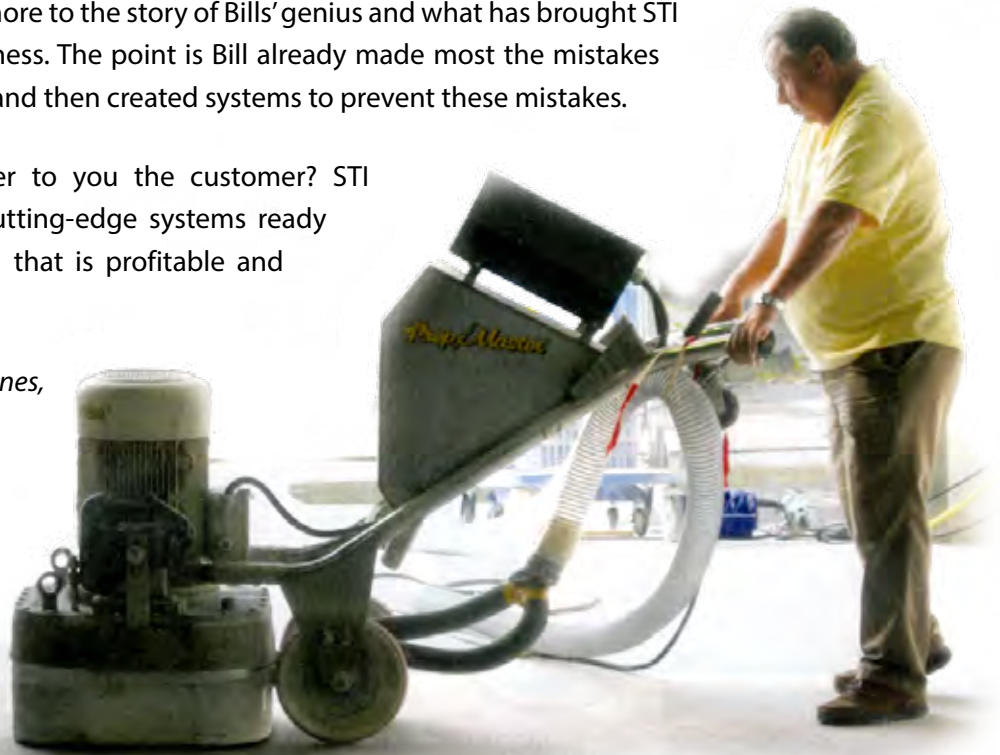
At STI we are proud to offer products that deliver “real world” solutions for our customers. We are able to do this for a few reasons like hard work, combined experience of over 100 years of contracting, and ISO certified suppliers but mostly we are able to do it because of our founder.

STI was founded in 1995 by William ‘Bill’ Jones after his some 30 years of floor covering and floor prep experience. As a contractor, Bill realized he was helpless for products that could deliver results productively AND reliably. Sure there were ‘systems’ on the market but each had their shortcomings and all required some improvising by the end user of the products.

Through numerous trials and subsequent failures Bill put together a system of machinery and diamond tools that can be relied upon to deliver the fastest and most predictable results. There is of course much more to the story of Bills’ genius and what has brought STI into its 20th year of business. The point is Bill already made most the mistakes common to our industry and then created systems to prevent these mistakes.

Why does all this matter to you the customer? STI products are turn-key, cutting-edge systems ready to deliver you a solution that is profitable and predictable.

*In memory of Bill & Lynn Jones,
STI Founders*



It's a System



Not a Machine



Service • Support • Success

Substrate Technology Inc

1384 Bungalow Road
Morris IL 60450

Office 815-941-4800

www.substratetechnology.com

FLOOR GRINDERS

2807 Prep Master Grinder	1
2420 Prep Master Grinder	2
2418 Prep Master Grinder Propane	3
3030 Prep Master Grinder	4
Prep Master Jr.	5
Prep Master Sr.	6
Lavina Floor Grinders	7-8
PM 200 Prep Master Edger	27

IMPACTS AMERICAS MACHINES

Impacts Shot Blasters	9-11
Shot Blaster Accessories	12
Impacts Dust Collectors	13-14

RUWAC

RB331 PRO Dust Collector	15
--------------------------	----

HAWK SWING MACHINES & VACS

Swing Machines & Wet Dry Vac	28
------------------------------	----

VON ARX

Von Arx Scarifiers & Needle Scalers	29
-------------------------------------	----

TOOLING

DIAMOND SYSTEMS	16-26
PREP TOOLS	31-32
TERRAZZO & MARBLE TOOLS	37-38
HAND GRINDING TOOLS	39

TOOL HOLDERS

Tool Plates, Couplers & Adapters	29
----------------------------------	----

Chemicals

Hertron Chemicals & Slurry Slayer	40
-----------------------------------	----

STI-2807 Prep/Master[®]

Project sizes up to **2,000 SF/186m²**

ITEM NUMBERS:



2807 220V/230V - Item #432807230

2807 380V/480V - Item #432807480

It's a System



Not a Machine



Specifications

Motor	7.5 HP - 3 phase 5.5kW
Power Source	220/230 VAC 1 or 3 Phase, 60 Hz 380/480 VAC 3 Phase, 50-60Hz
Power Cord	30 ft./9m (8-4)
Vacuum Hose Connection	3 in./76mm x 25 ft./8m
Weight	743 lbs. 337 kg
Tool RPM	300 RPM to 750 RPM variable
Number of Tools	6
Tools Attachment Style	EG Proprietary Attachment System
Dimensions	57" L x 28" W x 51" H 145 cm x 71 cm x 130 cm
Recommended Vacuum	Dustcom 3003AR (300 CFM) or equivalent

Production Rates

Mastic Removal	375 SF /35 m ² per hr
Thin Set Removal	425 SF /40 m ² per hr
Mil Coatings Removal	225 SF /21 m ² per hr
Polished Concrete	575 SF /53 m ² per hr

P/M Diamond Systems for the STI-2807

To complete your system, continue here.

Concrete Prep pg. 12-13

Polished Concrete pg. 14-19

Terrazzo Polishing pg. 20-21

STI-2420 Prep/Master[®]

Project sizes up to **5,000 SF/465m²**

ITEM NUMBERS:
 2420 220V/230V - Item #432420230
 2420 380V/480V - Item #432420480



It's a System



Not a Machine



Specifications

Motor	20 HP - 3 phase 14.7kW
Power Source	220/230 VAC 1 or 3 Phase 60 Hz 380/480 VAC 3 Phase 50-60Hz
Power Cord	30 ft./9m (8-4)
Vacuum Hose Connection	3 in./76mm x 25 ft./8m x Two
Weight	978 lbs. 444 kg
Tool RPM	250RPM (30Hz) to 750RPM (90Hz)
Number of Tools	12
Tools Attachment Style	EG Proprietary Attachment System
Dimensions	75"L x 27"W x 50"H 191 cm x 69 cm x 127 cm
Recommended Vacuum	Red Raider (360CFM) with pre-separator or equivalent

Production Rates

Mastic Removal	475 SF /44 m ² per hr
Thin Set Removal	525 SF /49 m ² per hr
Mil Coatings Removal	325 SF /30 m ² per hr
Polished Concrete	925 SF /86 m ² per hr

P/M Diamond Systems for the STI-2420



Concrete Prep pg. 12-13

Polished Concrete pg. 14-19

Terrazzo Polishing pg. 20-21

STI-2418LP Prep/Master®

Project sizes up to **5,000 SF/465m²**

ITEM NUMBERS: 
Item #432418001

It's a System



Not a Machine

**PROPANE
MODEL**



Specifications

Motor	Kawasaki 18HP LP
Motor RPM	2,200 - 3,650 RPM
Vacuum Hose Connection	3 in./76mm x 25 ft./8m x Two
Weight	895 lbs. 406 kg
Tool RPM	366 RPM to 500 RPM
Number of Tools	12
Tools Attachment Style	EG Proprietary Attachment System
Dimensions	78"L x 27"W x 48"H 198 cm x 69 cm x 122 cm
Recommended Vacuum	Red Raider (360CFM) with pre-separator or equivalent

Production Rates

Mastic Removal	475 SF /44 m ² per hr
Thin Set Removal	525 SF /49 m ² per hr
Mil Coatings Removal	325 SF /30 m ² per hr
Polished Concrete	925 SF /86 m ² per hr

P/M Diamond Systems for the STI-2418LP

To complete your system, continue here.

Concrete Prep
pg. 12-13

Polished Concrete
pg. 14-19

Terrazzo Polishing
pg. 20-21

STI-3030 Prep/Master[®]

Project sizes up to **10,000 SF/929 m²**

It's a System



Not a Machine



ITEM NUMBERS:



3030 220V/230V - Item #433030230

3030 380V/480V - Item #433030480

Specifications

Motor	30 HP - 3 phase 22kW
Power Source	220/230 VAC 1 or 3 Phase 60 Hz 380/480 VAC 3 Phase 50-60Hz
Power Cord	30 ft./9m (6-4)
Vacuum Hose Connection	3 in./76mm x 25 ft./8m
Weight	1,320 lbs. 599 kg
Tool RPM	300 RPM to 750 RPM variable
Number of Tools	12
Tools Attachment Style	EG Proprietary Attachment System
Dimensions	86"L x 30"W x 52"H 218cm x 76cm x 132cm
Recommended Vacuum	Duo Vac (630CFM) with pre-separator or equivalent

Production Rates

Mastic Removal	600 SF /56 m ² per hr
Thin Set Removal	600 SF /56 m ² per hr
Mil Coatings Removal	425 SF / 39 m ² per hr
Polished Concrete	1,200 SF /111.5 m ² per hr

P/M Diamond Systems for the STI-3030

To complete your system, continue here.

Concrete Prep pg. 12-13

Polished Concrete pg. 14-19

Terrazzo Polishing pg. 20-21



Item #823752250

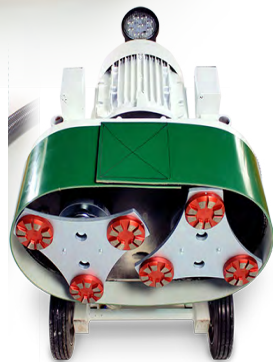
STI Prep Master Junior®

Project sizes up to **1,000 SF/100 m²**

It's a System



Not a Machine



Disassembles into 2 pieces for easy transportation!



Specifications

Motor	7.5 HP - 1 phase
Power Source	220/240 VAC 1 Phase 40 Amp
Power Cord	50 ft./9m (8-4)
Vacuum Hose Connection	2 in./50mm x 3-1/4 ft.
Weight	455 lbs.
Dimensions	50"L x 23"W x 48"H
Number of Tools	6
Tools Attachment Style	EG Proprietary Attachment System
Recommended Vacuum	3003AR Dust Collector

Production Rates

Mastic Removal	200 SF / 19 m ² per hr
Thin Set Removal	200 SF / 19 m ² per hr
Mil Coatings Removal	200 SF / 5 m ² per hr
Polished Concrete	300 SF / 28 m ² per hr

Features

- **7.5 HP / 220/240V Single phase / 40 Amps**
- **Working width:** 23 inches (58 cm)
- **Heavy head pressure** for better performance
- **Easy disassembly of machine** into two sections for quick transportation (*grinding head weight=260 lbs. & handle weight=130 lbs.*)
- **Screw-in carrying poles** for 2- or 3-person lifting
- **Magnetic LED light** that attaches anywhere to illuminate front or behind machine on the cutting path
- **On-board USB Charger & Phone Carrier**



Item #718000220

STI Prep Master Senior®

Project sizes up to **5,000 SF/500 m²**

It's a System



Not a Machine



Specifications

Motor	20 HP - 1 phase
Power Source	220/240 VAC 1 Phase 40 Amp
Power Cord	50 ft./9m (8-4)
Vacuum Hose Connection	2 in./50mm x 3-1/4 ft.
Weight	794 lbs.
Dimensions	50"L x 23"W x 48"H need dime
Number of Tools	12
Tools Attachment Style	EG Proprietary Attachment System
Recommended Vacuum	3003AR Dust Collector

Production Rates

Mastic Removal	475 SF /50 m ² per hr
Thin Set Removal	525 SF /50 m ² per hr
Mil Coatings Removal	325 SF / 30 m ² per hr
Polished Concrete	925 SF /90 m ² per hr

Features

- **20 HP / 220/240V Single phase / 40 Amps**
- **Working width:** 27 inches (68 cm)
- **Heavy head pressure** for better performance
- **Carrying poles** for 2- or 3-person lifting
- **Magnetic LED light** that attaches anywhere to illuminate front or behind machine on the cutting path
- **On-board USB Charger & Phone Carrier**

USES 12 TOOLS



L19S7 Electric Grinder



- ✓ Compact design and foldable frame, that can be also separated in two pieces for easy transportation and storage.
- ✓ Dust-proof planetary drive with low-friction rubber seal protects internal components from dust and moisture, which reduces maintenance and increases service life.
- ✓ Three 9-inch grinding heads with right / clockwise rotation (use the black pcd and carbide scrapers).
- ✓ Floating skirt with flexible brush for optimal dust containment.
- ✓ Simple control panel.
- ✓ Option to add weights – up to two 18.5lbs / 8kg weights (#L21.50.00.00)



Item #303007019

SPECIFICATIONS

Horsepower	3hp
Voltage	115 volt 1 Phase
Weight	221 lbs
Grinding Pressure	139 lbs
w/additional weights	176 lbs
Working Width	20"
Heads Rotation	Clockwise
Tool Holder Diameter	3x9"

L20S7 Electric Grinder



- ✓ Longer service life and less maintenance.
- ✓ Completely redesigned chain-driven planetary drive
- ✓ New stronger timing belt
- ✓ Upgraded shafts, seals and bearings
- ✓ New lighter timing pulleys for better power transmission
- ✓ New 2-piece aluminum main belt housing with belt inspection cover for longer belt life and less maintenance
- ✓ New weights for faster position change
- ✓ Redesigned frame allowing easier tool changes
- ✓ New ergonomic handle design with more positions
- ✓ Rubber bushing used at head attachment points for less vibrations for user



Item #303607020

SPECIFICATIONS

Horsepower	7.5hp / 5.5 kw
Voltage	200-240V 1 or 3 phase
Weight	518 lbs
Grinding Pressure	242 - 309 lbs
Vacuum Hose Port	50 mm pip
Working Width	20"
Heads Rotation	Counter Clockwise
Tool Holder Diameter	3x9"
Water Tank Capacity	2.1 gallon

L20GS7 Propane Grinder

NEW SEALED & DUST PROOF GRINDING HEAD

- ✓ Longer service life and less maintenance.
- ✓ Completely redesigned chain-driven planetary drive
- ✓ New stronger timing belt
- ✓ Upgraded shafts, seals and bearings
- ✓ New lighter timing pulleys for better power transmission
- ✓ New 2-piece aluminum main belt housing with belt inspection cover

NEW FRAME DESIGN

- ✓ Better control, easier tool changes, and less vibrations.
- ✓ New weights for faster position change
- ✓ Redesigned frame allowing easier tool changes
- ✓ Ergonomic handle design for faster adjustability and more positions
- ✓ Rubber bushing used at head attachment points for less vibrations for user



Item #303603020



SPECIFICATIONS

Engine	Kawasaki FS481V, 603 cc 18hp/13kw
Engine RPM	2000-3600
Weight	573 lbs
Grinding Pressure	286 - 363 lbs
Propane Tank Capacity	20 lbs
Working Width	20"
Heads Rotation	Counter Clockwise
Tool Holder Diameter	3x9"
Water Tank Capacity	2.1 gallon

L25S7 Electric Grinder

NEW SEALED & DUST-PROOF GRINDING HEAD

- ✓ Longer service life and less maintenance.
- ✓ Completely redesigned chain-driven planetary drive with no chain tensioner
- ✓ New stronger timing belt
- ✓ Upgraded shafts, seals and bearings
- ✓ New lighter timing pulleys for better power transmission
- ✓ New 2-piece aluminum main belt housing with belt inspection cover for longer belt life and less maintenance
- ✓ New weights for faster position change
- ✓ Redesigned frame allowing easier tool changes
- ✓ New ergonomic handle design – faster adjustability and more positions
- ✓ Rubber bushing used at head attachment points – less vibrations for user
- ✓ Water tank cap
- ✓ Internal storage compartment

CONTROL PANEL



Item #303601025

SPECIFICATIONS

Horsepower	10hp / 7.5 kw
Voltage	200-240V 1 or 3 phase
Weight	871 lbs
Grinding Pressure	329 - 514 lbs
Vacuum Hose Port	Camlock E250
Working Width	26.5"
Heads Rotation	Counter Clockwise
Tool Holder RPM	400-1100 rpm
Tool Holders	3x9"
Water Tank Capacity	20L
Cable Length	57 ft



L30GS7 Propane Grinder

New Lavina S7 series 30" propane grinders with Kohler PCV740 Engine, 747 cc (24 hp / 3600 min) and also offered with Kawasaki FX600V (19 hp). With added features contractors will love, this propane grinder is a next level machine. It features a new sealed, dust-proof grinding head for longer service life.

The all-new LAVINA S7 Grinders feature a completely new design to make contractors' work easier and more efficient. The new frame with upgraded weights and handle allow for easier tool changes, better control and less vibrations. The new grinding head is completely sealed and dust-proof for longer service life and less maintenance. Redesigned chain-driven planetary drive, new stronger timing belt, upgraded shafts and pulleys are just some of the changes that take these grinders to the next level of operability and reliability. Superabrasive!



Item #303603030

SPECIFICATIONS

Engine	Kohler PCV 740 or Kawasaki FX600V
Engine Capacity	24 hp
Weight	926 lbs
Propane Tank	20 lbs
Vacuum Hose Port	Camlock E300
Working Width	30.8"
Heads Rotation	Counter Clockwise
Tool Holder RPM	425 - 765 rpm
Tool Holders	3x13.2"
Water Tank Capacity	5.2 gallon

S210E SHOTBLASTER

The IMPACTS S210E is the first 110V blaster with the In-Line Separation system. This means better separation of abrasive and dust as well as superior production over similar priced shot blast machines.

Its compact design is ideal for residential contractors, smaller areas inherent on large projects, and where limited access work areas are in need of a profiled surface. Also, comes standard with an adjustable height handle.



Item #101210002

- ✓ Working width: 8 in. (210mm)
- ✓ Achieve a high blasting performance for small projects
- ✓ Uses the durable IMPACTS "Side-Force" Liner System with wear-resistance manganese metal
- ✓ Height-adjustable handle
- ✓ 110V
- ✓ Travel speed: manual
- ✓ Recommended dust collector: PM3003AR

SPECIFICATIONS

Blasting Power	3hp
Travel Speed	Manual
Power Supply	110V/ 60Hz 16A
Working Width	8.25"
Blasting Capacity	430 sf per hour
Weight	100 lbs

S210E-40R SHOTBLASTER

The IMPACTS S210E-40R is a very powerful, but compact and light weight self-propelled blast machine. The combination of the powerful wheel motor with an optimized separation system and the variable speed drive motor makes the machine very efficient.



Item #101210004

- ✓ Working width: 8 in. (210mm)
- ✓ Achieve a high blasting performance on small to medium-sized projects
- ✓ Uses the durable IMPACTS "Side-Force" Liner System with wear-resistance manganese metal
- ✓ Height-adjustable handle
- ✓ 220V
- ✓ Travel speed: Self-propelled

SPECIFICATIONS

Blasting Power	5.5hp
Travel Speed	up to 50ft per minute
Power Supply	220v 1 Phase 50hz 30A
Working Width	8.25"
Blasting Capacity	861 sf per hour
Weight	255 lbs

S270E-75R SHOTBLASTER

The IMPACTS S270E-75R is a very powerful and compact shot blaster for medium horizontal surfaces. A powerful wheel motor with an optimized separation system and variable speed drive motor makes the machine very efficient and easy to operate.

This model is the only "forward-walking" 10-inch blaster on the market that can also be used as an edger.



Item #101270004

- ✓ Working width: 10 in. (270mm)
- ✓ Uses the durable IMPACTS "Side-Force" Liner System with wear resistance manganese metal
- ✓ Optimized weight
- ✓ Height-adjustable handle
- ✓ Self-propelled
- ✓ Forward-walking
- ✓ Edger
- ✓ Recommended dust collector: PM3003GP

SPECIFICATIONS

Blasting Power	10hp
Travel Speed	Variable 0-98 ft per min
Power Supply	230v 1 Phase 60hz 35A
Working Width	10.6"
Blasting Capacity	1,400 sf per hour
Weight	365 lbs

S125E HAND HELD SHOTBLASTER

The IMPACTS STREAMER S125E is a small hand held, shot blasting machine that is designed for a variety of horizontal and vertical applications.

Its compact, strong design is especially suitable for shot peening of small areas on concrete, screed, and asphalt, as well as small steel surfaces. For vertical application, we recommend using a balancer.



Item #101125002

- ✓ Working width: 5 in. (125mm)
- ✓ Perfect for edging
- ✓ Can be used on a vertical surface
- ✓ Recommended dust collector: PM3003AR

SPECIFICATIONS

Blasting Power	2hp
Travel Speed	Manual
Power Supply	120v / 60hz 16A
Working Width	5"
Blasting Capacity	160 sf per hour
Weight	17.5 lbs

S320E SHOTBLASTER

As a welcome addition to the IMPACTS series of equipment, the S320E is a powerhouse in a small package.

At 12.6 inches (320mm) and 15HP (11kW), the S320E shot blaster will out blast comparably-sized blasting machines. The most ideal application for this model is the aggressive removal of coatings on large surface preparation projects.



Item #101320001

- ✓ Working width: 12 in. (320mm)
- ✓ Ideal for large projects
- ✓ Uses the durable IMPACTS "Side-Force" Liner System with improved wear resistance
- ✓ Optimized weight
- ✓ Height-adjustable handle
- ✓ Recommended dust collector: IMPACTS Dustcom 3324



SPECIFICATIONS	
Blasting Power	15 hp
Travel Speed	Variable 0-98 ft/min
Power Supply	480v/90hz 32 A
Working Width	12.6"
Blasting Capacity	2,153 sf per hour
Weight	705lbs

S320RD SHOTBLASTER

The S320RD Ride-on propane model is perfect for powerful shot blasting with the added convenience of a seat & steering wheel!

At 12.6 inches and 24HP, the S320RD Streamer will out blast comparably-sized and priced blasting machines.



Item #101320003

- ✓ Contains a centrifugal clutch to engage the blast wheel control
- ✓ Hydraulic pump allows machine to travel forward and reverse, and to raise and lower riding height
- ✓ Dustcom 3324 comes on-board – no need to attach hoses!
- ✓ All-in-one "lifting lock" for the dust bin handling
- ✓ Big, ergonomically optimized dust bin
- ✓ Electro-pneumatic compressor regulations



SPECIFICATIONS	
Blasting Power	24 hp
Travel Speed	Variable 0-118 ft/min
Power Supply	Propane
Working Width	12.6"
Blasting Capacity	2,153 sf per hour
Weight	1,808 lbs

S410E SHOTBLASTER

The S410E Shot Blaster is a unique machine to the industry because similarly sized machines do not have as much horsepower.

It not only outperforms other blasters for brush blasting, but also blasts more productively in coating removal applications for large projects. Because of the high HP, it also works great on steel deck surface preparation.



Item #101410001



- ✓ Working width: 16 in. (410mm)
- ✓ Achieve a high blasting performance on medium to large-sized projects
- ✓ Uses the durable IMPACTS "Side-Force" Liner System with wear-resistance manganese metal
- ✓ Strong drive motor with integrated brake
- ✓ Optimized weight
- ✓ Height-adjustable drive handle with integrated handling instruments
- ✓ Recommended dust collector: IMPACTS Dustcom 4025

SPECIFICATIONS

Blasting Power	24 hp
Travel Speed	Variable 0-125 ft/min
Power Supply	480v/60hz 63 A
Working Width	16"
Blasting Capacity	2,800 sf per hour
Weight	1,076 lbs

S600E SHOTBLASTER

The S600E Shot Blaster is the largest in the IMPACTS Americas fleet of mobile shot blasters.

It is a two-wheel shot blaster with very high production rates for brush-blasting as well as aggressive removals. Its 23-inch blasting pattern makes it a reasonably-sized walk-behind blaster that is the most productive for very large project areas.



Item #101600001



- ✓ Working width: 23 in. (600mm)
- ✓ Achieve a high blasting performance on very large projects
- ✓ Uses the durable IMPACTS "Side-Force" Liner System with wear-resistance manganese metal
- ✓ Strong drive motor with integrated brake
- ✓ Optimized weight
- ✓ Height-adjustable drive handle with integrated handling instruments
- ✓ Recommended dust collector: IMPACTS Dustcom 4025

SPECIFICATIONS

Blasting Power	30 hp
Travel Speed	Variable 0-124 ft/min
Power Supply	480V / 50hz, 63A
Working Width	23.6"
Blasting Capacity	4,000 sf per hour
Weight	1,157 lbs

SHOTBLASTER ACCESSORIES

25" MAGNET SWEEPER



Item # 225000124

- Double layer of permanently charged magnets for a greater magnetic field and maximum lifting power
- Sturdy 8-inch steel hub and ball bearing wheels for durability, easy maneuvering, and easy pushing
- 25-inch width covers a large area quickly
- Rugged Durability
- All moving parts are protected by nylon flange bushings and reduce wear and extend sweeper life
- Rugged 3-piece handle
- Maximum lifting height 5 3/4 in. (using a two and a half inch nail)
- Welded design for extra durability and long life
- Stands up on its own when not in use

HANDHELD MAGNETS



Item # 227100071

Handheld Magnet provide an effective and rapid means of lifting small iron and steel parts from stock bins, boxes, kegs, tables, or floor. Smooth, uninterrupted side surfaces allow fast, easy burrowing into loose materials.

A fingertip pull on the release bar drops the load. The standard units have a nylon lower case. A stainless steel lower case is available for hot or very abrasive material.

Pickup capacity: Up to 3 lbs.

WHEEL KITS

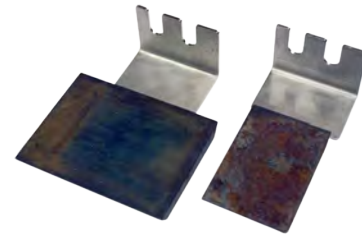


- Thick impeller design
- Hard casting metallurgy (manganese)
- Easy to change
- Can also be used in other existing shot blasting machines
- Available for all sized models of IMPACTS shot blasters

ITEM NUMBER	DESCRIPTION
201000001	Wheel Kit for S410 & S320
201000002	Wheel Kit for S270-75R & S210-40R
201000145	Wheel Kit for S210E
201001349	Wheel Kit for S125E

REDUCTION LINERS

- For shot blasting line-stripe prep and removal
- Reduces blasting width of shot blasting machines



2" Liners	MACHINE
201001726	S210E
201001723	S210E-40R
201001811	S270E-75R
4" Liners	MACHINE
201001725	S210E
201001722	S210E-40R
201001810	S270E-75R
6" Liners	MACHINE
201001724	S210E
201001721	S210E-40R
201001809	S270E-75R

STEEL SHOT



S280 - Item # 61003
S330 - Item # 61001

- Tiny steel pellets used as media for shot blasting machines
- For surface prep, cleaning, stripping, descaling, or leveling concrete or metal surfaces
- Creates a light to medium surface profile (shot grit size will determine desired finish)
- Available in 50 lb. bags

DUST COLLECTORS

Dustcom 3324

The dust collector Dustcom 3324 from IMPACTS is an extremely powerful dust collector to be used together with medium size to larger surface preparation equipment. These new innovative details give optimized handling performance on the job site:



Item # 104000015



- ✓ Capacity: 28 gal. (105 liters)
- ✓ Available in 230V or 480V
- ✓ All-in-one "lifting lock" for the dust bin handling
- ✓ Big, ergonomically optimized dust bin
- ✓ Removable, changeable dust host connection
- ✓ No edges and obstacles outside the frame
- ✓ Optimal dimensions, high performance, low weight
- ✓ Electro-pneumatic compressor regulation

SPECIFICATIONS

Power	7.5hp
Power Supply	480V / 60hz, 16A
Cleaning	Self Cleaning
Airflow	706 CFM
Filter Surfaces;	6x Filter Cartridges
Certifications	355 SF;M
Dust Bin Capacity	28 Gallon
Dust Hose (Sold Separately)	5"

Dustcom 4025

The Dustcom 4025 is a sturdy, compact, and extremely powerful dust collector to be used together with medium-size to large surface preparation equipment. Innovative details gives the machine an optimized handling performance on the job site.



Item # 104000007



- ✓ All-in-one "lifting lock" for the dust bin handling
- ✓ Capacity: 52 gal. (200 liter)
- ✓ Big, ergonomically optimized dust bin
- ✓ Removable, changeable dust host connection
- ✓ No edges and obstacles outside the frame
- ✓ Optimal dimensions, high performance, low weight
- ✓ Can be split into two units
- ✓ Lifting locks for easy transportation
- ✓ Electro-pneumatic compressor regulations

SPECIFICATIONS

Power	7.5hp
Power Supply	480V / 60hz, 16A
Cleaning	Self Cleaning
Airflow	765 CFM
Filter Surfaces;	8x Filter Cartridges
Certifications	482 SF;M
Dust Bin Capacity	52 Gallon
Dust Hose (Sold Separately)	6"

3003AR DUST COLLECTOR & ACCESSORIES

The Prep/Master® 3003AR is an industrial vacuum cleaner equipped with large surface cartridge filters which are constantly and frequently cleaned by means of powerful jets of compressed air. Reverse pulse filter cleaning is the most efficient system when vacuuming fine and toxic silica dust, especially when used on continuous duty or to collect large volumes of dust particles.



- ✓ Uses Longopac disposal system for safe collection of toxic waste and dust
- ✓ Fully automatic self-cleaning filter cartridges
- ✓ 300 CFM (510 m3/h)
- ✓ HEPA filter, OSHA-compliant
- ✓ Strong motors and timing board means dependable service
- ✓ Optimized proportions, with maximum performance and minimum weight
- ✓ Automatic cleaning during operation

Item # 104000033

SPECIFICATIONS

Power	1.3hp (4kw) x 3 motors
Power Supply	115V / 60hz, 13A
Depression Rate (Water Lift)	7.4ft H2O
Airflow	300 CFM
Noise Level	76 dB (A)
Filter Type	Polyester M
Filter Surface	29.100 cm2
Suction Inlet Diameter	2"
Capacity	Longopac
Weight	186 lbs

Wand & Floor Tool

For quick and easy clean-up, these vacuum accessories will assist your every need. Wands, brushes, reducers, and adapters are available in high quality aluminum construction for maximum durability, strength, and a wide variety of uses.



Wand	104000030
Floor Tool	104700030
Bristle Refill	104700032
Squeegee Refill	104700034

- ✓ For quick & easy clean-up
- ✓ Sturdy metal materials
- ✓ Wand 48" Long, 2" diameter, single bend, chrome body
- ✓ Floor tool with rollers: 18" width
- ✓ Gap between floor tool & surface is adjustable
- ✓ Brushes & Squeegees are replaceable

LONGOPAC

The Longopac bagging system makes concrete dust disposal easy and convenient. It attaches to your dust collector or vacuum and securely holds all dust and debris.

Each 72-foot continuous liner makes up to 25-30 individual bags (depending on the desired weight of contents). Longopac liners help eliminate cross contamination of powders, improve the working environment, and protect operators and building occupants.



Item# 204000277

- ✓ Replacement / backup package of four liners
- ✓ 72-foot-long continuous liner
- ✓ 5.5 mil thickness
- ✓ Makes up to 25-30 bags
- ✓ Easily attaches to virtually any dust collector
- ✓ Allows for dust-free disposal

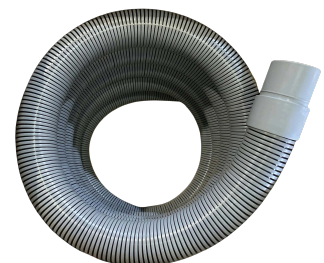
HOSE WITH CUFFS

2" Flexible Hose - 25 Foot

3" Flexible Hose - 25 Foot



Item # 423500252



Item # 423603080

RB331PRO THE BEAST

The RB331PRO comes complete with 330 CFM, the RB331PRO Direct Bag by Ruwac has everything you need for small, medium, and large surface preparation applications. As part of Ruwac's direct bagging Pro Series, this vacuum features a bagged collection system for dust-free collection.



Item # 331110718

- ✓ Bagged collection system allows for dust-free maintenance
- ✓ Zero contact with contaminants
- ✓ Fully grounded to protect against static build-up
- ✓ Durable compression cast "bulletproof" composite housing will never dent or rust – Guaranteed for life!
- ✓ Industry-leading MicroClean filtration is 99% efficient @ 0.5 Microns – 3-year filter life guarantee!
- ✓ Secondary HEPA MAXX filtration is 99.97% efficient @ 0.3 Microns
- ✓ External manual filter shaker system allows you to clean the primary filter without having to disassemble your vacuum
- ✓ Ruwac Continuous Bagging System

Voltage:	120 Volts
Amps:	15 Amps
Duty Cycle :	Intermittent
Vacuum Ratings:	75" H2O
Volume Rating (CFM):	330 CFM
Primary Filter Efficiency:	99% @ 0.5 Microns
Primary Filter Area:	28 sq. ft.
Primary Filter Cleaning:	Heavy Duty External Manual Shaker
Secondary Filter – HEPA MAXX Compact :	HEPA MAXX Compact – 99.97% Efficient @ 0.3 Microns

ACCESSORIES



REPLACEMENT BAGS FOR CONTINUOUS BAGGING SYSTEM (4 IN A CASE), SOLD PER CASE
Item# 950970510



904376-BL – Reducer
2.75" OD BL x 2" OD
Item# 950904376



3" x 25' Crush Proof Vacuum Hose w/ Non-Grounded Cuffs
Item# 950701225

- 32" Floor Sweep #7004DB ASM, 32", 70MM, DB
- Dust Extraction Swing Arm ASM for redline portable
- Continuous Bagging System



AVAILABLE UPGRADES

To complete
your system,
continue here.

Concrete Prep

Concrete Prep

con•crete prep (kän krēt' prep), **n.**
surface grinding, removal of mastic,
adhesives, thin set, epoxy coatings,
surface laitance, and surface correction
of rain slabs

CHOOSE YOUR PROFILE OBJECTIVE

Super Fast Removal
with Rough Profile

**STI
Concrete
Prep**

Productive Removal
with Smooth Profile for
polishing or installation of
floor material

Your Prep/Master® achieves the most efficient, effective, and profitable performance by choosing the tools below.


All EG tools on this page are built with the patented EG Quick Change System (Patent 8,192,255).



#000 EG PREP TOOL

- One set of Triple PCD EG Prep Tools consists of 50% right-hand tools and 50% left-hand tools
- EG-backed Triple PCD and Diamond Sweep


Item #573330001 #000R - Right-hand Tool
 Item #573330002 #000L - Left-hand Tool



#00 EG PREP TOOL

- One set of Double PCD EG Prep Tools consists of 50% right-hand tools and 50% left-hand tools
- EG-backed Double PCD and Diamond Sweep

Item #571603418 #00R - Right-hand Tool #00L -
 Item #571603412 Left-hand Tool



#0 PREP TOOL

- 3"/8mm EG-backed Metal Bond Diamond

Item #540242000 #0S - Soft Bond
 Item #540243000 #0 - Standard Bond
 Item #571522325 #0H - Hard Bond

<i>Number of Diamonds Needed for EACH Step</i>	<i>Machine Model</i>	<i>See Page</i>
--	----------------------	-----------------

6	STI-2807	2
12	STI-2420	4
12	STI-2418LP	5
12	STI-3030	6
12	STI-3038LP	7
24	STI-4430	8
24	STI-4438LP	9

STI FL-07 Polishing System



- Specially formulated for concrete — ground with metal bond diamonds for the absolute best finish, OR use the LUX pad as a finishing tool for that extra "POP!"
- Fantastic life of 10,000 SF
- Works on the Prep/Master®, Planetary Machines, Terrco® Machines, EDCO®, Swing Machines, and Werkmaster®.

3" Full Face Pads

#3 - 50 Grit	207000003
#4 - 100 Grit	207000004
#5 - 200 Grit	207000005
#6 - 400 Grit	207000006
#7 - 800 Grit	207000007
#8 - 1500 Grit	207000008
#9 - Lux	207000009

4 3/4" Ring Pads

#3 - 50 Grit	207430003
#4 - 100 Grit	207430004
#5 - 200 Grit	207430005
#6 - 400 Grit	207430006
#7 - 800 Grit	207430007
#8 - 1500 Grit	207430008
#9 - Lux	207430009

How to Use "EG Quick Change"



To complete
your system,
continue here.

Concrete Polishing

Polished Concrete

pol·ished con·crete (päl'-isht kän-krēt'),
n. a concrete surface that has been
processed using progressively finer grits
to produce a reflective condition

CHOOSE YOUR METHOD

Dry Process

EGT



SURFACE PROFILE

Dry Steps Only

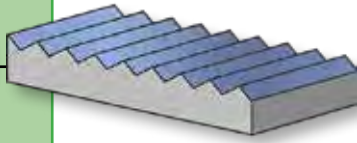
EGT#1 - 540574001



EGT#2 - 540578002



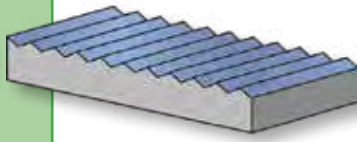
EGT#3 - 540591503



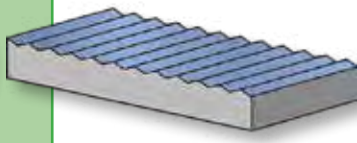
EGT#4 - 540760004



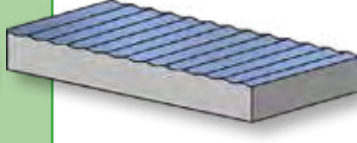
EGT#5 - 540800005



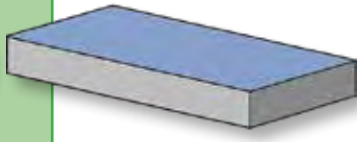
EGT#6 - 540800006



EGT#7 - 540800007



EGT#8 - 540800008



Your Prep/Master[®] achieves the most efficient, effective, and profitable performance by choosing the tools below.

All EGT tools on this page are built with the patented EG Quick Change System (Patent 8,192,255).



EG Grout Pans
Page 31

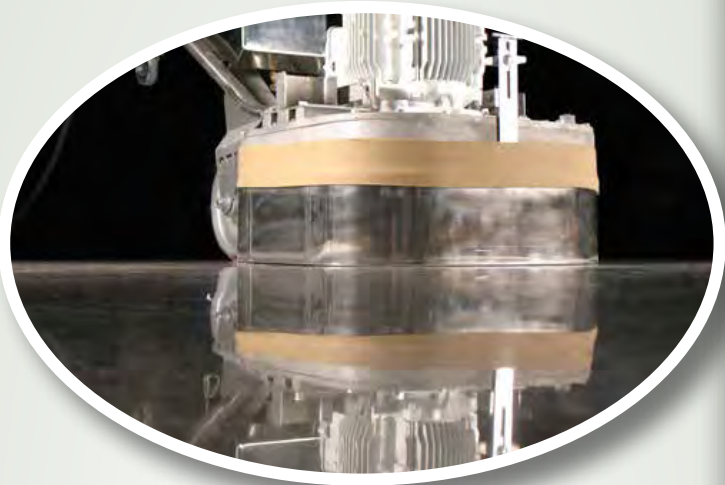
<i>Number of Diamonds Needed for EACH Step</i>	<i>Machine Model</i>
6	STI-2807
12	STI-2420
12	STI-2418LP
12	STI-3030
12	STI-3038LP
24	STI-4430
24	STI-4438LP

To complete
your system,
continue here.

Concrete Polishing

STI Classic Polish

sti cla•ssic pol•ish (es-tē-ī klas'-ik päl'-ish),
n. a grinding and polishing system that
is result driven to adequately process and
finely polish a concrete floor to its highest
possible shine



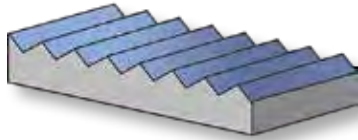
FOR A HIGH GLOSS SHINE

Dry-Wet-Dry Process

CLC



SURFACE PROFILE

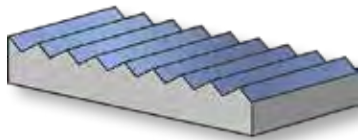


CLC#1 - 530400001



Dry Step

CLC#2 - 530700002

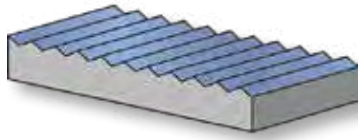


Wet Steps

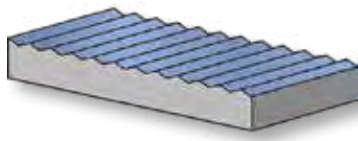
CLC#3 - 530746003



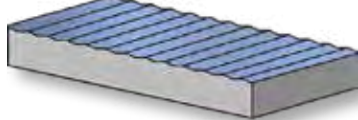
CLC#4 - 530752004



CLC#5 - 530860005

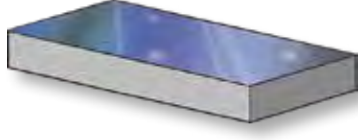


CLC#6 - 530870006



Dry Steps

CLC#7 - 530880007



Your Prep/Master[®] achieves the most efficient, effective, and profitable performance by choosing the tools below.

All EGT tools on this page are built with the patented EG Quick Change System (Patent 8,192,255).

Number of Diamonds Needed for EACH Step	Machine Model
---	---------------

6	STI-2807
12	STI-2420
12	STI-2418LP
12	STI-3030
12	STI-3038LP
24	STI-4430
24	STI-4438LP

To complete
your system,
continue here.

Concrete Polishing

STI PLP Polishing System

sti plp pol·ishing system

(es-tē-ī pē-el-pē päl'-ish-ing),

n. a grinding and polishing system that
is result driven to adequately process
and finely polish a concrete floor to its
highest possible shine

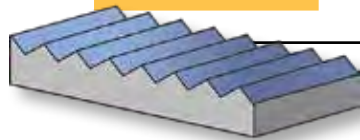
FOR PREP TO POLISH

Dry Process

PLP



SURFACE PROFILE

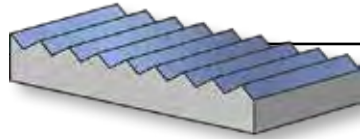


PLP#1 - 585400001



1

PLP#2 - 585400002



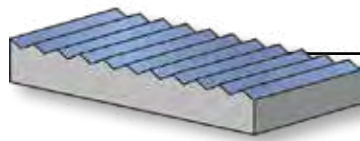
2

PLP#3 - 585400003



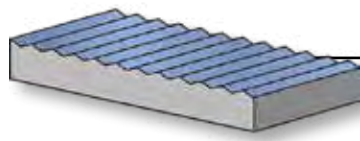
3

PLP#4 - 585400004



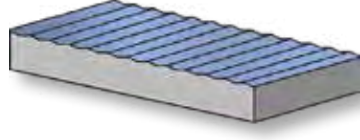
4

PLP#5 - 585400005



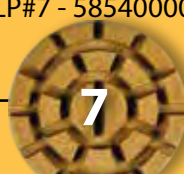
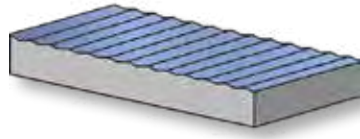
5

PLP#6 - 585400006



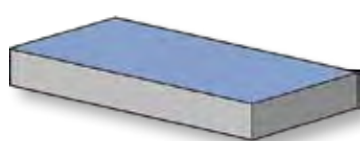
6

PLP#7 - 585400007



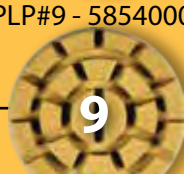
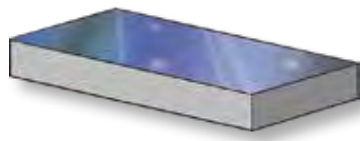
7

PLP#8 - 585400008



8

PLP#9 - 585400009



9

Dry Steps Only



Your Planetary machine achieves the most efficient, effective, and profitable performance by choosing the tools below.

All PLP tools on this page are built with the patented EG Quick Change System (Patent 8,192,255).

See page 22 for STI Planetary Machines.

650mm-750mm Machines

Steps #1 thru #4	9 tools
Step #5	12 tools
Steps #6 thru #9	9 tools

750mm-800mm Machines

Steps #1 thru #4	12 tools
Step #5	18 tools
Steps #6 thru #9	12 tools

800mm Machines & Above

Steps #1 thru #4	12 tools
Step #5	18 tools
Steps #6 thru #9	12 tools

To complete
your system,
continue here.

Terrazzo

Terrazzo Polishing

te•rra•zzo pol•ish•ing

(te-raz'ō päl'ish-ing),

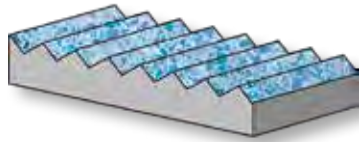
n. the grinding and polishing of new epoxy terrazzo from first cut to final polish to produce the highest possible natural shine

FOR PREP TO POLISH

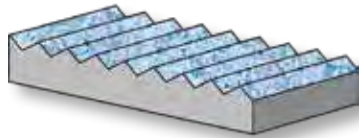
Dry-Wet Process

TPS

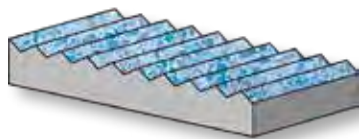
SURFACE PROFILE



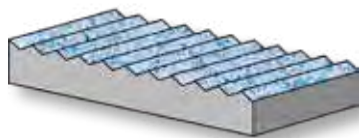
TPS#1 - 640900001



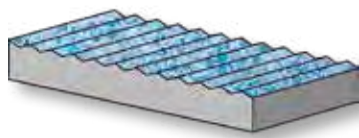
TPS#2 - 640900002



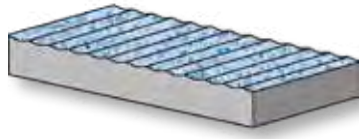
TPS#3 - 640900003



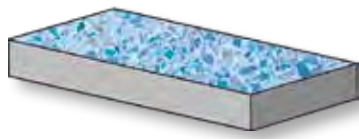
TPS#4 - 640900004



TPS#5 - 640900005



TPS#6 - 640900006



TPS#7 - 640900007



Dry Steps

Wet Steps

Your Prep/Master® achieves the most efficient, effective, and profitable performance by choosing the tools below.

All EGT tools on this page are built with the patented EG Quick Change System (Patent 8,192,255).



For EG Grout Pans, see page 35.

Number of Diamonds Needed for EACH Step **Machine Model**

6 STI-2807

12 STI-2420

12 STI-2418LP

12 STI-3030

12 STI-3038LP

24 STI-4430

24 STI-4438LP

STI EDGER



PREP/MASTER PM200

Introducing the STI Edge Grinder and Polisher!

- Works great on Concrete, Terrazzo, Marble, & Granite
- Gets up to 1/8 inch to the edge
- Electronic ignition
- Run wet or dry

Item # 102000016

<i>Power Source</i>	220/230 VAC 1 or 3 Phase - 50/60Hz 380/480 VAC 3 Phase - 50/60Hz
<i>Power Cord</i>	25ft./8m (6-4)
<i>Vacuum Hose Connection</i>	2in./50mm
<i>Weight</i>	120 lbs./55Kg
<i>Total RPM</i>	1,000 to 2,000 Variable
<i>Tool Attachment Style</i>	EG Patented System
<i>Dimensions</i>	20.5"W x 36-40"H x 36-37"L 52cm W x 91-101cm H x 91-94cm L
<i>Recommended Vacuum</i>	2003P or equivalent

There are three types of tools for the PM200: EG metal bonds, resin dots, and MG pad dots.

Use three tools per set of metal tools, and one each of the remaining pads per set. This system is designed and matched to be used in sequence with no steps being skipped.

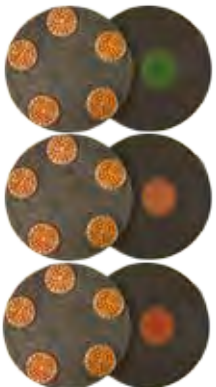
PM200 TOOLS & ACCESSORIES



3 Oval Segment Tools

- Metal bond tools
- Size: 3 in.
- EG attachment
- Available in three grits
- Requires three tools per set

Grit	Item #
30	571403030
50	571403050
80	571403080



CASH Dots

- Size: 9¼ in.
- Velcro backing
- Resin dots
- Available in three grits

Grit	Item #
50	349140050
100	349140100
200	349140200



MG Pads

- Size: 9¼ in.
- Use dry only
- Available in four grits

Grit	Item #
#1	349140400
#2	349140800
#3	349141500
#4	349143000

Magnetic Plate

- Size: 9¼ in.
- EG slots to hold three 3-Oval-Segment Tools
- Use magnets to attach Velcro Plate

Item #820040914



Velcro Plate

- Size: 9¼ in.
- Male Velcro backing for attaching polishing pads
- Three pins to line up with Magnetic Plate

Item #820030914



HAWK SWING MACHINE

Perfect for the restoration and maintenance of marble, tile, terrazzo, stone, & concrete. Can also be used for standard floor scrubbing, stripping, & polishing applications.

- Planetary steel helical-cut gear drive for superior reliability
- 1.5 HP / 120V
- Dual Electric Motor: 175 & 300 RPM
- 4 gal (15 liter) water tank
- Useful for grinding, polishing, & polishing compound application
- Additional weights available
- Steel brush covers are strong and durable
- UL / CUL-Approved for safety assurance



17" Swing Machine Item #364590020

20" Swing Machine Item #364590017

SWING MACHINE ACCESSORIES

ITEM NO.	ACCESSORIES FOR 17" OR 20"
360001004	4 Gallon Solution Tank
360008045	4.5" Weight Post Kit
360028010	Extra 10 lb Weight - Black
360028025	Extra 25 lb Weight Hexagonal - Black

Diamond Disc Driver

- Round plate that accommodates six rubber pad holders or prep tools
- High impact polyethylene construction
- Universal mounting arbor for twist-lock attachment



17" Disc Driver Item #ZRML17

20" Disc Driver Item #ZRML20

Pad Driver

- Round spike plate that accommodates fiber pads for polishing and scrubbing
- High impact polyethylene construction
- Universal mounting arbor for twist-lock attachment



17" Pad Driver Item #789217921

20" Pad Driver Item #789220922

Hawk 20 Gallon Wet Dry Vac



Squeegee attachment for removing water and slurry



Item #364117020

- 2 HP (1.5kW) 2-stage heavy duty bypass motor
- 115V, 60 Hz
- An automatic liquid shut-off prevents motor flooding with foam or solution
- Comes standard with adjustable front-mount squeegee and dry application accessories
- Kit contains one (1) acid /mildew-resistant, non-pleated washable synthetic cloth dust bag
- Quiet operation – 78 dB. Meets GS42 standard.



Dry Attachment Kit included

SPECIFICATIONS

Motor	2hp (1.5kw) 2-stage bypass
Power Supply	115V / 60hz
Power Cord	50ft 16-3 SJT
Airflow	110 CFM
Water Lift	117"
Tank Capacity	20 gallon
Capacity	17 gallon Wt / 1 Bushel Dry
dB Rating	78 dB
Weight	62 lbs



VON ARX PROFILERS, SCARIFIERS, & NEEDLE SCALERS

VON ARX 30 SH WITH HYDRAULIC TRACTION



- Electrical power: 3x 480V / 60Hz
- Motor: 10HP
- Working width: 12"
- Distance to wall: 3.5"
- Dimensions: 53" X 22" X 43"
- Weight: 612 lbs.
- Standard Cutters: Octagonal Cutters or other available

Item #707199

VON ARX 25 S



- Electrical power: 3x 480V/60Hz
- Motor: 6 HP
- Working width: 10"
- Distance to wall: 2.5"
- Dimensions: 37" X 18" X 46"
- Weight: 220 lbs. /
- Standard Cutters: Pentagonal Cutters or other available

Item #706360

VON ARX DTF 25 SH



- Electrical power: 3x 480V/60Hz or 3x 240V/60Hz
- Motor: 15HP
- Working width: 10"
- Distance to wall: 3"/76mm
- Dimensions: 45" X 19" X 45"
- Weight: 473 lbs.
- Standard Cutters: Diamond blade drum

480V: Item #708701

PREP/MASTER® 45B



- Weight: 10.6 lbs.
- Air consumption: 5.6 cfm
- Needles 3mm: 49 needles
- Air pressure: 100 psi
- Connection thread: R 3/8"
- Acoustic power level: 101 dB

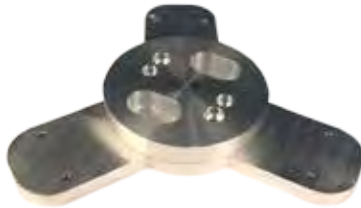
Item #700409

View the Von Arx full product line at vonarx.com.

STI TOOL HOLDERS

STI EDGE PLATE

- Holds all STI tooling & diamonds
- Cuts within 1/2 inch from edge
- Covers more SF/M² than tool plate
- Eliminates the need for hand-grinding to finish edges!
- Fits our most popular Prep/Master® models: 2807 & 3030
- Must use adapter with 3030 Edge Plate to clear gear box lip



Fits Machines	Item #
Edge Plate for STI-2807	885002807
Edge Plate for STI-3030	885003030
7-3/8" x 1" Adapter for STI-3030	885000738

STI TOOL PLATE

- Holds all STI tooling & diamonds
- Gives the flattest possible floor finish
- Standard for 2420 & 4430
- Also, fits 2807 & 3030



Fits Machines	Item #
2420 & 4430	884024443
2807 & 3030	884028303

EG ADAPTER PLATE – "QUICK CHANGE"

- Attaches to modified STI Tool Plate for after market assembly
- Designed for use with the EG Metal Bond Diamond & EG Adapter-Velcro
- Mounts using 2 bolts (included)



Item #570000014

MORFLEX COUPLER

- Provides flexibility for the tools to follow the contour of the floor
- Good replacement part to have on hand for less downtime



Size	Item #
502 - Standard Flex	880000502
602 - Standard Flex	880000602
702 - Rigid for flattest cut	880000702

E/Z BACKERS

- Bolts to E/Z plug holder
- Velcro backing securely holds diamond pads in place
- Velcro backing allows for fast and easy diamond pad replacement

Aluminum Milled Holder

- Aluminum backer with machined 5/8"-11 arbor

Rubber Holder

- Rubber backer with 5/8"-11 arbor

Bakelite Holder

- Hot-pressed rigid bakelite with 5/8"-11 arbor

Holder	Size	Item #
Aluminum	3"	803000001
Aluminum	4"	804000001
Bakelite	3"	803000002
Bakelite	4"	804000002
Rubber	3"	803000003
Rubber	4"	804000003



EG-QUICK CHANGE ADAPTERS



10 SEGMENT ADAPTER FOR QUICK CHANGE

- Adapter allows for 10S tools to be quickly changed without hardware

Item #570001057



EG ADAPTER – "VELCRO"

- 3 inch diameter
- Female adapter for quick change
- For use with EG Resin Insert

Item #570000031



EG RESIN INSERT

- 3 inch diameter
- Extra support secures tool to velcro head
- Grooved side fits into EG Adapter-Velcro & EG Adapter-Three Hole

Item #570000026

EG-QUICK CHANGE DIAMONDS & TOOLS

EG Quick Change "How it Works"



EG TURBO CUP



- Quick Change or E/Z Bolt-on
- Use wet or dry
- Used for first cut/closing cuts on new or existing epoxy/portland terrazzo
- Metal bond diamond for aggressive cutting
- 3"/76mm diameter

Quick Change

Grit	Item #
16	572400160
24	572400240
40	572400400
80	572400800

E/Z Bolt-on

Grit	Item #
16	352400160
24	352400240
40	352400400
80	352400800



EG PREP TOOLS FOR REMOVAL



- Fast cutting metal bond tools used to remove epoxy, adhesive, & thin-set
- Great price—variety of styles and grits
- Not recommended when polishing is provided
- Color coded for easy identification
- Quick Change attachment

Color	Grit	Bond	Item #
Orange	25	Medium	570225300
White	18	Medium	570218200
Black	25	Hard	570225301
Grey	20	Hardest	570220000
Grey (with pin)	20	Hardest	110220000



EG SHARK METAL BOND DIAMOND

- 3"/76mm - only size available
- Unique diamond design
- Quick removal of thin-mil coatings
- Quick Change
- Use wet or dry

Grit	Item #
80	57SK80



EG 10S DIAMOND SEGMENTS

- Use for opening steps on uncoated concrete
- Excellent scratch pattern for old or new concrete
- Use wet or dry
- 3"/76mm diameter / 6 mm thickness
- EG Quick Change attachment

Grit	Item #
16	571016000
30	571030000
30 "Hard Bond"	571030001
70	571070000
120	571012000

EG-QUICK CHANGE DIAMONDS & TOOLS



CARBIDE BLOCK TOOL WITH QUICK CHANGE ASSEMBLY

STI EG Carbide Cutters For Adhesive Removal

****Carbide cutters Sold Separately**

Carbide Cutters attached to a trap style tool with STI EG quick change backing to fit PrepMaster machines. With a PrepMaster rotary style machine, equal number of "right" and "left" rotation tools are needed.

Carpet adhesive can be pretty stingy to remove if it's thick and somewhat fresh. Diamond segments and sand can be used, but carbide slicers are often the better choice.

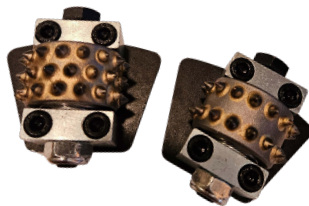
Like a blade, the carbide edge pushes the soft glue from the surface of the concrete. A diamond segment wants to drag the glue and partially redeposits it.

Yellow glue is latex-based. That means water will soften it and keep friction heat from clogging the blades and slowing production. Black glue is petroleum-based. Water won't do anything to soften the glue, but it will keep the glue from getting hot and turning sticky.

Item#	Description
573202001	Carbide Block Quick Change Assembly - Right
573202002	Carbide Block Quick Change Assembly - Left
CRBD-SQ	Square Carbide

STI QC BUSH HAMMER

The STI Quick Change Bush Hammers are aggressive profiling tools and are great for the full line of P/M Machines to provide a CSP 4 to 5 (concrete surface profile) or to mimic a "flamed" profile. These tools are NOT intended, however, to remove any flexible coatings or most epoxies.



Bush Hammers are long lasting (15,000 SF / 1,500 m2) when used to profile a surface to provide a good bonding surface or anti-slip properties.

- **Aggressive profiling tool**
- **Provides CSP 4 to CSP 5 profile**
- **Creates slip-resistant finish on concrete, granite, and marble**
- **Long lasting tool – 15,000 SF (1,500 m2)**
- **Breaks down the surface that standard diamonds can't touch**
- **Comes with four bolts to attach to any tool plate**

Item#	Description
249011012	2 Row QC Bush Hammer for use w/ PM Jr.
249011013	3 Row QC Bush Hammer for use w/ 28 & 30 Prep Master

DUAL SEG TOOL FOR REMOVAL

Dual Segment Red Traps For Prep Master Junior

Item #
571930201



30 Grit
Soft Bond

- For Removal and Coatings Prep
- Fast cutting metal bond tool used to remove epoxy, adhesive, & thin-set
- Great price
- Not recommended when polishing is provided
- EG "Quick Change" attachment
- To prep HARD troweled Floors
- Removes Cure & Seal

EG Daisies

Grit	Item #
30	570430000
50	570450000
70	570470000
120	570412000



- 3"/76mm Metal Bond diamond
- Great for polishing preparation on concrete, granite, and terrazzo
- Sintered diamond technology for smooth cut
- Wet use only

PLANETARY TOOLING

Planetary Bush Hammers



Concrete Surface Prep

The **PLANETARY** QC Bush Hammer tooling have all the same great features but have been specifically manufactured to fit any Lavina style QC adapter.

- *Standard QuickChange technology, sliding easily in and out the plate with no bolting required.*
- *Fits all Lavina grinders as well as all other grinders using a QC adapter plate.*
- *Not recommended for use with high rpm machines, such as Lavina propane machines. typically, you should use bush hammers with no more than 700 rpms.*

Item # 248118500

SINGLE & DOUBLE BAR PREP TOOLS

- Fits Imported Planetary Machines
- Soft, Medium or Hard Bond
- Available in 30 Grit

SINGLE BAR 30 Grit

Soft	901000030
Medium	901001030
Hard	901002030



DOUBLE BAR 30 Grit

Soft	902000030
Medium	902000230
Hard	902001030



SINGLE & DOUBLE ROUND PREP TOOLS

- Fits Imported Planetary Machines
- Soft, Medium or Hard Bond
- Available in 16, 30, 60 & 120 Grit

SINGLE ROUND SOFT BOND

16 Grit	903110016
30 Grit	903110030
60 Grit	903110060
120 Grit	903110120

MEDIUM BOND

16 Grit	903110116
30 Grit	903110130
60 Grit	903110160
120 Grit	903110120

HARD BOND

16 Grit	903110216
30 Grit	903110230
60 Grit	903110260
120 Grit	903110220



DOUBLE ROUND SOFT BOND

16 Grit	903210016
30 Grit	903220030
60 Grit	903210060
120 Grit	903210120

MEDIUM BOND

16 Grit	903210116
30 Grit	903220130
60 Grit	903230160
120 Grit	903240120

HARD BOND

16 Grit	903210216
30 Grit	903220230
60 Grit	903220260
120 Grit	903220120



SASE, DIAMATIC, CPS AND OTHER BOLT-ON GRINDERS TOOLING

Double PCD Traps



- Double PCD Segments with wear bar
- Clockwise & counterclockwise rotation available
- Standard Trapezoid attachment style

For Sase® machines, each tool requires 3ea "Sase Screws".

Threaded 8mm holes can be drilled out to 9mm to fit magnetic plates with dowel pins

Item	Description
594011002	Metal Trap 2 PCD w/ Wear Bar - Counter Clockwise
595011002	Metal Trap 2 PCD w/ Wear Bar - Clockwise

Standard Trap Single Segment



- Fits Imported Planetary Machines
- Soft, Medium or Hard Bond
- Available in 16, 30, 60 & 120 Grit

SINGLE ROUND

SOFT BOND

16 Grit	903110016
30 Grit	903110030
60 Grit	903110060
120 Grit	903110120

MEDIUM BOND

16 Grit	903110116
30 Grit	903110130
60 Grit	903110160
120 Grit	903110120

HARD BOND

16 Grit	903110216
30 Grit	903110230
60 Grit	903110260
120 Grit	903110220



DOUBLE ROUND

SOFT BOND

16 Grit	903210016
30 Grit	903220030
60 Grit	903210060
120 Grit	903210120

MEDIUM BOND

16 Grit	903210116
30 Grit	903220130
60 Grit	903230160
120 Grit	903240120

HARD BOND

16 Grit	903210216
30 Grit	903220230
60 Grit	903220260
120 Grit	903220120





The New Terrazzo+ Pads

Why am I paying more for the New Terrazzo+ Diamond Pads?

	NEW Terrazzo+ Pad	The Old Pad
Price (each)	\$34.85 USD	\$29.90 USD
Average Life	15,000 SF / 1500 M ²	10,000 SF / 1000 M ²
*Cost per SF/M ²	\$.028 SF / \$.28 M ²	\$.036 SF / \$.36 M ²

*Assumes a 12-tool Prep/Master® machine is being used.

Because the Terrazzo+ is...

- 1. PACKED WITH MORE DIAMONDS:** There are 70% more diamond and abrasives than the old style Terrazzo pad — 37 grams extra to be exact!
- 2. MORE DENSE:** The pad was designed using high pressure molding to compress more diamond powder and abrasives into the pad, yet keep the same 8mm thickness our customers prefer!
- 3. COVERS MORE SQUARE FOOTAGE:** The combination of high-pressure molding and increased quantity of diamond powders makes the Terrazzo+ Pad the longest lasting, fastest cutting resin that STI offers!
- 4. SAVES YOU MONEY!!** MORE coverage at a lower cost per SF/M²! (See chart above.)

Unique Features:

- Self Opening Profile
- Unique "Marking interlayer" which changes the color of the slurry when pad is consumed
- Cloth Tab makes it easy to remove the tool from the velcro holder

All this value is packed into a tool that some may call expensive. Except that this tool is a better value than one of our best selling product lines.

Call your STI dealer today at +1.815.941.4800 to find out how to order the new Terrazzo+ Pads you should be using!

With the above to consider, would you still say that you are paying more?



TERRAZZO+ PADS

- For wet polishing epoxy- and portland-based terrazzo and stone
- 70% more diamond and abrasives than the old style terrazzo pad
- 3"/76mm diameter / 8mm thickness
- Self Opening Profile
- Unique "marking interlayer" which changes the color of the slurry when pad is consumed
- Cloth tab makes it easy to remove the tool from the velcro holder

Grit	Item #
50	392200050
100	392200100
200	392200200



STI TERRAZZO PADS

- For wet polishing epoxy- and portland-based terrazzo and stone
- Use as first cut tool on new, unsealed concrete, closing step, & first step of restoration
- Specialized matrix for aggressive cut with fine scratch pattern
- Cloth tab (like the Terrazzo+) makes it easy to remove the tool from the velcro holder
- 3"/76mm diameter: 8 mm
- 4 3/4" & 5 3/4" diameters: 3 mm
- No center hole on 3"/76mm size eliminates collection of debris & spent

Grit	3 in.-Item#
50	920000050
100	920000100
200	920000200

Brazed Diamond Cove Wheel

- » Radiused edge polishes cove on epoxy and portland based terrazzo
- » Available in 3/4" and 1" Radius
- » Available in aggressive & fine grit
- » Water openings in face for even water distribution to work surface



Size	Grit	Item #
3/4"	25/35	950342535
3/4"	80/100	950348010
1"	25/35	950012535
1"	80/100	950018010

STI E/Z REDZ PADS



- For wet polishing epoxy- and portland-based terrazzo & stone
- Used for closing/polishing steps
- 3"/76mm diameter / 8mm thickness
- No center hole eliminates collection of debris and spent diamonds

Grit	Item #
100	918000100
200	918000200
400	918000400
800	918000800
1500	918001500

CASH PADS & Granilux Dots



Diamond Polishing System

Casinos/Convention Centers/Airports/Schools/Hotels



The CASH Diamond Polishing pads are excellent for Casinos, Convention Centers, Airports, Schools, Hotels, and anywhere else that quick and effective polishing of concrete, terrazzo, marble, and granite is required.

- Excellent for Concrete, Terrazzo, Marble, and Granite surfaces!
- Be green — use with water. No chemical is required to achieve shine, but STI recommends PG2 for abrasion resistance, slip resistance, and color enhancement
- Available in 17", 20", & 21" sizes to fit most electric buffers

CASH PADS

17-inch / 432mm

#1	330170001
#2	330170002
#3	330170003

20-inch / 508mm

#1	330200001
#2	330200002
#3	330200003

21-inch / 533mm

#1	330210001
#2	330210002
#3	330210003

Granilux DOTS

17-inch / 432mm

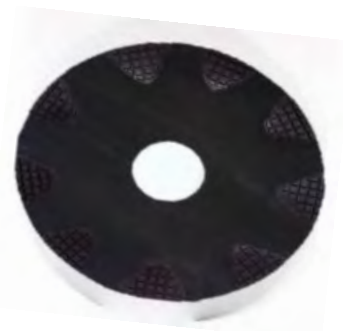
50 grit	315070050
100 grit	315070100
200 grit	315070200
400 grit	315070400
800 grit	315070800
1500 grit	315071500
3000 grit	315073000

17-inch / 508mm

50 grit	315170050
100 grit	315170100
200 grit	315170200
400 grit	315170400
800 grit	315170800
1500 grit	315171500
3000 grit	315173000

21-inch / 533mm

50 grit	315210050
100 grit	315210100
200 grit	315210200
400 grit	315210400
800 grit	315210800
1500 grit	315211500
3000 grit	315213000



The CASH Granilux Dot Pad is a rubber disc with individual resin pads fixed to it and has hook Velcro on the reverse side. The CASH Granilux Dot pads are only to be used with water and NEVER dry.

This tool is used to perform concrete polishing, marble polishing and terrazzo polishing that is smooth, cured and free of any sealer or coating and moderately worn marble or terrazzo floors.

The CASH Granilux Dot System is engineered to be run on a high speed, propane or electric, burnisher, swing machine, or auto-scrubber.

C=concrete **T**=terrazzo **M**=marble



SPIN-1 PADS



The SPIN-1 Pad System polishes concrete faster and better than any other diamond buffing pad on the market and does the work in a fraction of the time when compared to large polishing machines.

- Great for maintaining Polished Concrete!
- Pad life is in excess of 20,000 SF
- Available in 21" & 27" sizes to fit most propane burnishers



21" Pads

Orange	605330400
Silver	605330800
Blue	605331500
Red	605333000
Black	605339999

27" Pads

Orange	606850400
Silver	606850800
Blue	606851500
Red	606853300
Black	606859999

NEW SPIN-V2 PADS



- Long life gives the lowest cost per SF, of any DIP pads available anywhere.
- Average cost per SF over the grit range is less than \$0.01 for our 27" HD DIPs when run on a propane powered burnisher to "densify and burnish" new concrete floors or as part of the polishing process on concrete floors.
- Coarser grits may be slightly higher cost and finer grits will generally be considerably lower.
- Our HD DIPs are NOT recommended for use on Marble or Terrazzo floors due to the potential of leaving an "orange peel" surface finish as a result of how aggressively they cut, including our 3000 grit.
- Our Maintenance DIPs should be used on Marble and Terrazzo both when polishing the floor and to maintain the floors gloss and clarity over time.

- Diamond-impregnated natural hair pads
- Heavy duty diamond formulation
- For maintenance of polished concrete
- Contact us for custom sizes!!!

17" Pads

200 Grit	900170200
400 Grit	900170400
800 Grit	900170800
1500 Grit	900171500
3000 Grit	900173000

21" Pads

200 Grit	900210200
400 Grit	900210400
800 Grit	900210800
1500 Grit	900210100
3000 Grit	900210300

27" Pads

200 Grit	900270200
400 Grit	900270400
800 Grit	900270800
1500 Grit	900270100
3000 Grit	900270300

HAND GRINDING TOOLS



STI-7" RING-TYPE POLISHING PADS

- Works wet or dry
- For use with any variable speed 7" grinder

Grit	Item#
35	713000035
50	713000050
100	713000100
200	713000200
400	713000400
800	713000800
1500	713001500



STI-7" FULL FACE POLISHING PADS

- Works wet or dry
- For use with any variable speed 7" grinder

Grit	Item#
35	763000035
50	763000050
100	763000100
200	763000200
400	763000400
800	763000800
1500	763001500

CASH 7" PADS



- For low-speed hand-polishers
- Great for Marble, concrete or terrazzo
- All the great finish of the CASH system in a smaller size

Grit	Item#
#1	330070001
#2	330070002
#3	330070003



5" RAZOR PADS, CERAMIC

C1	630050001
C2	630050002
C3	630050003
C4	630050004

STI-7" RUBBER HOLDER



- Rubber backer with velcro to hold 7" Ring Type or Full Face Polishing Pads

Item #807000003

STI-7" RIGID HOLDER



- Bakelite backer with velcro to hold 7" Ring Type or Full Face Polishing Pads

Item #807000002

GROUT PANS



EG GROUT PANS

The rotary action of the Prep/Master® pushes the epoxy into the holes from multiple directions to push air out and fill in the holes!

- Fills the pin holes in terrazzo more thoroughly than the conventional way of hand troweling & buffing the epoxy into the holes
- Use on P/M machine or other rotary machines
- Velcro-backed for easy tool change
- Lasts over 10,000SF / 929 M²

Item #640900035

CUP WHEELS



SHARK 7-INCH/180MM CUP WHEEL

- Unique diamond design
- Quick removal of epoxy or mortar
- Fast cut on hard concrete
- 7/8", Non-threaded arbor
- 30 grit

Item #: GS7CW

POLISHING COMPOUND, SEALERS, & CLEANERS

PLEASE NOTE:

All chemicals listed on this page are non-stocking items. They will be shipped using ground transport service only. NO air shipments are available for these chemicals.



E/Z POLISH



- Ready-mixed polishing paste
- For polishing marble, limestone and terrazzo
- Aids in water and stain resistance
- Increases density of surface
- Ideal for maintenance program
- Easy-to-use, non-etching, non-noxious odor
- Easy clean-up
- Available in 10 lb. and 25 lb. containers

Item #380600010 10 lb.

Item #380600025 25 lb.



E/Z SEAL



- Transparent, water and oil resistant treatment
- Impregnates and seals marble, terrazzo, concrete, grout joints and all natural stone surfaces
- Formulated to protect interior and exterior surfaces
- Protects against water and oil
- Special formulation allows for excellent surface breathability
- Coverage ranges from 750 to 1250 sq. ft. per gallon on polished surface
- Porous surfaces may need two applications
- Easy clean-up

Item #380400004 4 gal. Case

Item #380400005 5 gal.



E/Z SEAL PLUS



- All the benefits of E/Z Seal with an added enhancer for richer color

Item #380500004 4 gal. Case

Item #380500005 5 gal.



PG2



- The second of two hardening agents used to ensure a long-lasting surface gloss
- Used also as primary maintenance product in automatic equipment or stand-alone product for swing machine
- Available in three-sized containers

Item #380310024 4 gal. Case

Item #380310025 5 gal.

Item #380310255 55 gal.



ULTIMATE BLACK

- Produces that extra depth and color that is wanted on black stone or high shine on other colors
- Neutral, non-detergent cleaner
- Available in one quart containers

Item #380900001 1 quart



ONE STEP

- A "one component" granite polish
- May be used to polish any color granite
- Works with regular steel wool pads on a 175 to 300 RPM buffing machine

Item #380119001 1 quart

Item #380119006 6-qt. Case

SLURRY SLAYER™

... is a concrete slurry management program that was developed by an actual contractor who works in the contracting field every day.

Slurry Slayer™ consists of two products - Slurry Slayer™ Solidifier™ and Purifier™ - that can be used individually or together.

- CONTAINS NO FILLERS to add weight.
- Reacts quicker and with less material when compared to competitors' products.
- Turns concrete slurry into a nonhazardous, landfill-accepted solid.

Slurry Slayer™ works in conjunction with your EPA required "Best Management Practice" plan for handling concrete slurry.

Item #381919055 - 55 lbs.
Item #381919205 - Super Sack 2,205 lbs. (special order)

CURRENTLY USED FOR:

- Concrete Grinding and Polishing
- Concrete Saw Cutting and Drilling
- Concrete Rinse Out Areas
- Stone Restoration

"Developed by Contractors for Contractors"



Granite



Marble

Substrate Technology, Inc.
1384 Bungalow Rd.
Morris, Illinois 60450

+1.815.941.4800
Fax +1.815.941.4600

It's a System



Not a Machine



Service • Support • Success

www.substratetechnology.com