



Service • Support • Success

STI PRODUCT CATALOG

U.S. Standard & Metric Measurements



Terrazzo



Concrete

It's a System



Not a Machine



Service • Support • Success

Substrate Technology, Inc.

1384 Bungalow Rd.
Morris, Illinois 60450

+1.815.941.4800
Fax +1.815.941.4600

www.substratetechnology.com

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Updated 04/2024



About Substrate Technology, Inc.

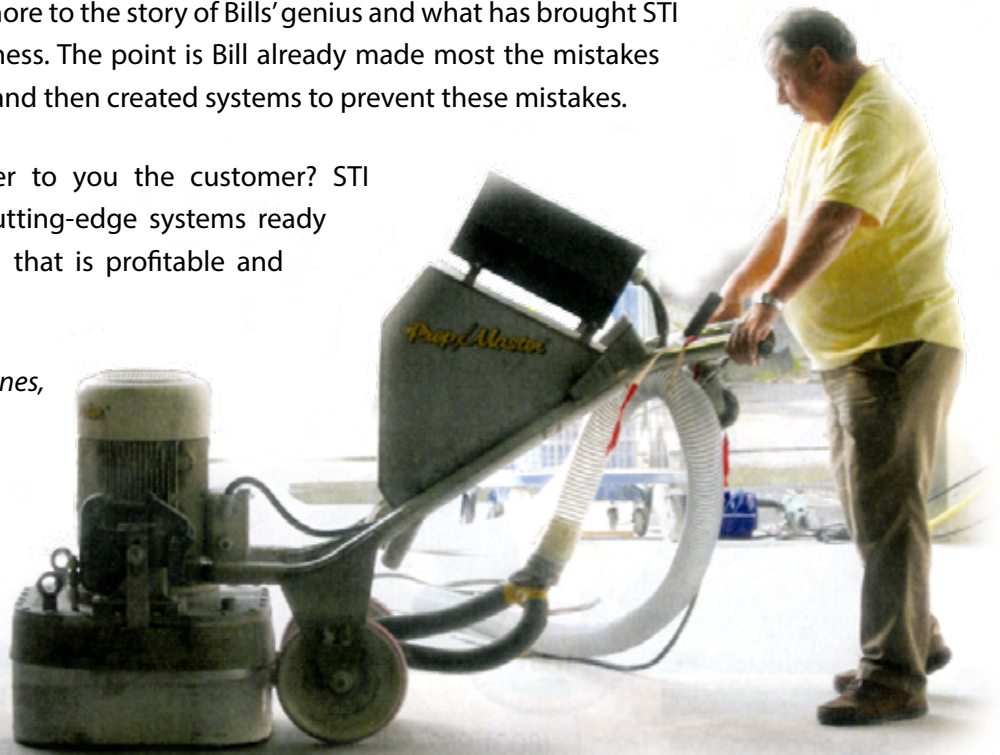
At STI we are proud to offer products that deliver “real world” solutions for our customers. We are able to do this for a few reasons like hard work, combined experience of over 100 years of contracting, and ISO certified suppliers but mostly we are able to do it because of our founder.

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*



STI-2807 Prep/Master®

Project sizes up to 2,000 SF/186m²

It's a System



Not a Machine



ITEM NUMBERS:



2807 220V/230V - Item #432807230

2807 380V/480V - Item #432807480

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. 10-11

Polished Concrete
pg. 12-15

Terrazzo Polishing
pg. 18-19

Marble & Terrazzo Restoration
pg. 20-21

STI-2818LP Prep/Master®

ITEM NUMBER: 
Item #432818001

Project sizes up to 2,000 SF/186m²

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
Weight	829 lbs. 376 kg
Tool RPM	366 RPM to 500 RPM
Number of Tools	6
Tools Attachment Style	EG Proprietary Attachment System
Dimensions	73"L x 30"W x 50"H 185 cm x 76 cm x 127 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-2818LP

To complete your system, continue here.

Concrete Prep
pg. 10-11

Polished Concrete
pg. 12-15

Terrazzo Polishing
pg. 18-19

Marble & Terrazzo Restoration
pg. 20-21

STI-2420 Prep/Master®

Project sizes up to 5,000 SF/465m²

It's a System



Not a Machine



ITEM NUMBERS:

2420 220V/230V - Item #432420230

2420 380V/480V - Item #432420480



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

To complete your system, continue here.

Concrete Prep
pg. 10-11

Polished Concrete
pg. 12-15

Terrazzo Polishing
pg. 18-19

Marble & Terrazzo Restoration
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



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
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Polished Concrete
pg. 12-15

Terrazzo Polishing
pg. 18-19

Marble & Terrazzo Restoration
pg. 20-21

STI-3030 Prep/Master®

Project sizes up to 10,000 SF/929 m²



ITEM NUMBERS:

3030 220V/230V - Item #433030230

3030 380V/480V - Item #433030480

3025 220V/230V - Item #433025230

3025 380V/480V - Item #433025480

It's a System



Not a Machine



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. 10-11

Polished Concrete
pg. 12-15

Terrazzo Polishing
pg. 18-19

Marble & Terrazzo Restoration
pg. 20-21

STI-3038LP Prep/Master®

ITEM NUMBERS:
Item #433038001



Project sizes up to 10,000 SF/929 m²

It's a System



Not a Machine

**PROPANE
MODEL**



Specifications

Motor	Kawasaki 38HP LP
Motor RPM	2,200 - 3,650 RPM
Vacuum Hose Connection	3 in./76mm x 25 ft./8m
Weight	1,084 lbs. 492 kg
Tool RPM	366 RPM to 500 RPM
Number of Tools	12
Tools Attachment Style	EG Proprietary Attachment System
Dimensions	86"L x 30"W x 48"H 218 cm x 76 cm x 122 cm
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-3038LP

To complete your system, continue here.

Concrete Prep
pg. 10-11

Polished Concrete
pg. 12-15

Terrazzo Polishing
pg. 18-19

Marble & Terrazzo Restoration
pg. 20-21

STI-4430 Prep/Master®

Project sizes up to 20,000 SF/1,858 m²



ITEM NUMBERS:

4430 220V/230V - Item #434430230

4430 380V/480V - Item #434430480

4425 220V/230V - Item #434425230

4425 380V/480V - Item #434425480

It's a System



Not a Machine



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	1,460 lbs. 662 kg
Tool RPM	250RPM (30Hz) to 750RPM (90Hz)
Number of Tools	24
Tools Attachment Style	EG Proprietary Attachment System
Dimensions	80"L x 44"W x 52"H 203 cm x 112 cm x 132 cm
Recommended Vacuum	Duo Vac (630CFM) with pre-separator or equivalent

Production Rates

Mastic Removal	725 SF /67 m ² per hr
Thin Set Removal	725 SF /67 m ² per hr
Mil Coatings Removal	575 SF /53 m ² per hr
Polished Concrete	5,025 SF /467 m ² per hr

P/M Diamond Systems for the STI-4430



Concrete Prep
pg. 10-11

Polished Concrete
pg. 12-15

Terrazzo Polishing
pg. 18-19

Marble & Terrazzo Restoration
pg. 20-21

STI-4438LP Prep/Master®

ITEM NUMBERS:
Item #434438001



Project sizes up to 20,000 SF/1,858 m²

It's a System



Not a Machine

**PROPANE
MODEL**



Specifications

Motor	Kawasaki 38HP LP
Motor RPM	2,200 - 3,650 RPM
Vacuum Hose Connection	3 in./76mm x 25 ft./8m
Weight	1,315 lbs. 596 kg
Tool RPM	366 RPM to 500 RPM
Number of Tools	24
Tools Attachment Style	EG Proprietary Attachment System
Dimensions	78"L x 44"W x 50"H 198 cm x 112 cm x 127 cm
Recommended Vacuum	Duo Vac (630CFM) with pre-separator or equivalent

Production Rates

Mastic Removal	725 SF /67 m ² per hr
Thin Set Removal	725 SF /67 m ² per hr
Mil Coatings Removal	575 SF /53 m ² per hr
Polished Concrete	5,025 SF /467 m ² per hr

P/M Diamond Systems for the STI-4438LP

To complete your system, continue here.

Concrete Prep
pg. 10-11

Polished Concrete
pg. 12-15

Terrazzo Polishing
pg. 18-19

Marble & Terrazzo Restoration
pg. 20-21

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).



#00 EG PREP TOOL




Surface Profile Cross Section (+ or - 1mm)

- 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
 Item #571603412 #00L - Left-hand Tool



#0 PREP TOOL



Surface Profile Cross Section (+ or -.5mm)

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

Item #540242000 #0S - Soft Bond
 Item #540243000 #0 - Standard Bond
 Item #571522325 #0H - Hard Bond
 Item #571522326 Super Hard Bond

Number of Diamonds Needed for EACH Step	Machine Model	See Page
6	STI-2807	2
6	STI-2818LP	3
12	STI-2420	4
12	STI-2418LP	5
12	STI-3030	6
12	STI-3038LP	7
24	STI-4430	8
24	STI-4438LP	9

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

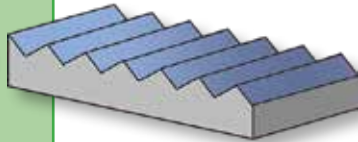
EGT



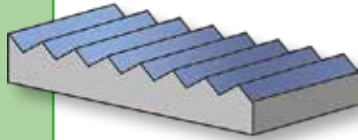
SURFACE PROFILE

Dry Steps Only

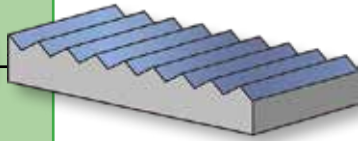
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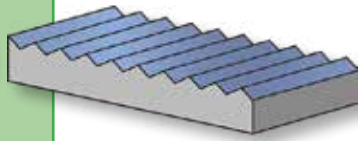
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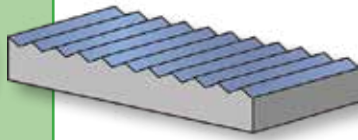
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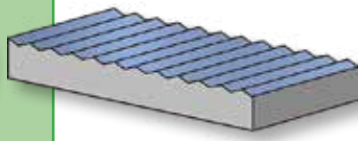
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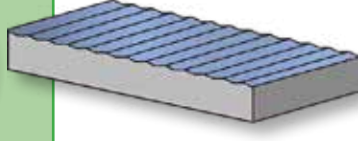
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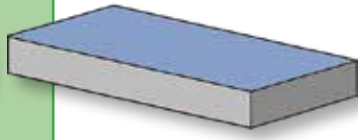
EGT#6 - 540800006



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).

 **For EG Grout Pans,**
see page 31.

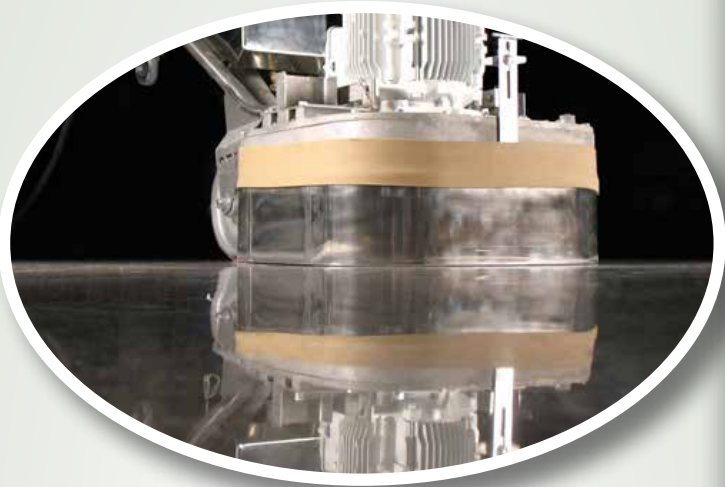
<i>Number of Diamonds Needed for EACH Step</i>	<i>Machine Model</i>	<i>See Page</i>
6	STI-2807	2
6	STI-2818LP	3
12	STI-2420	4
12	STI-2418LP	5
12	STI-3030	6
12	STI-3038LP	7
24	STI-4430	8
24	STI-4438LP	9

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



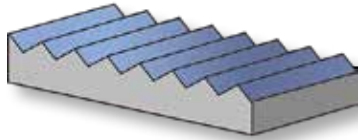
FOR A HIGH GLOSS SHINE

Dry-Wet-Dry Process

CLC



SURFACE PROFILE



CLC#1 - 530400001

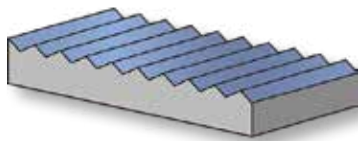


Dry Step

CLC#2 - 530700002

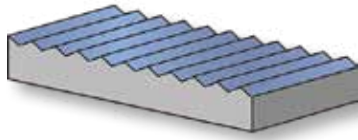


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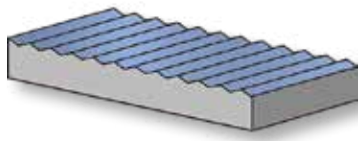


Wet Steps

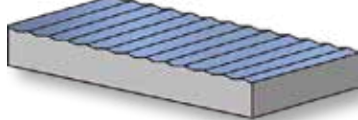
CLC#4 - 530752004



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).

<i>Number of Diamonds Needed for EACH Step</i>	<i>Machine Model</i>	<i>See Page</i>
6	STI-2807	2
6	STI-2818LP	3
12	STI-2420	4
12	STI-2418LP	5
12	STI-3030	6
12	STI-3038LP	7
24	STI-4430	8
24	STI-4438LP	9

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

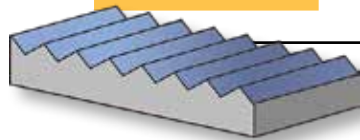
FOR PREP TO POLISH

Dry Process

PLP



SURFACE PROFILE

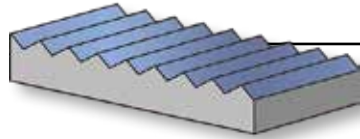


PLP#1 - 585400001



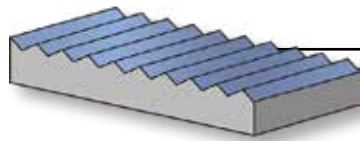
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PLP#2 - 585400002



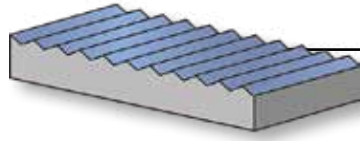
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PLP#3 - 585400003



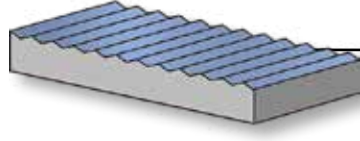
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PLP#4 - 585400004



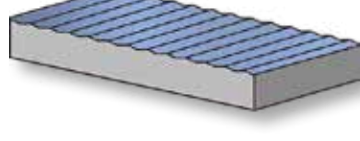
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PLP#5 - 585400005



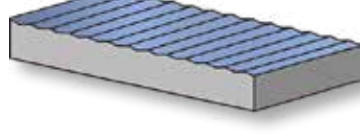
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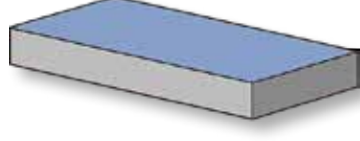
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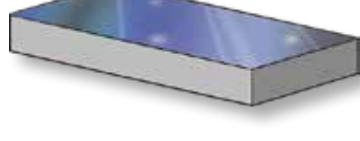
7

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•ra•zzo pol•ish•ing

(te-raz'ō päl'ish-ing),

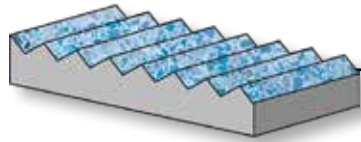
n. the grinding and polishing of new epoxy terrazzo from first cut to final polish to produce the highest possible natural shine

FOR PREP TO POLISH

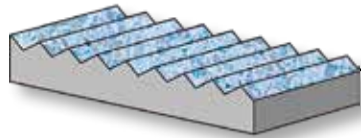
Dry-Wet Process

TPS

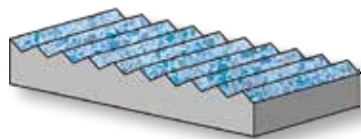
SURFACE PROFILE



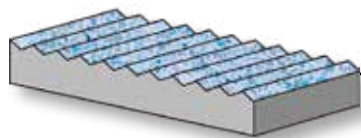
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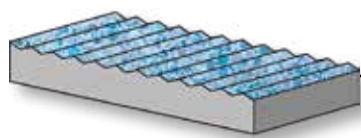
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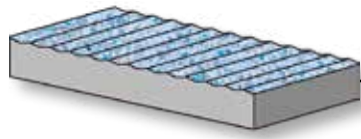
TPS#3 - 640900003



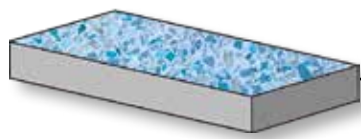
TPS#4 - 640900004



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 31.

Number of Diamonds Needed for EACH Step	Machine Model	See Page
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6	STI-2807	2
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6	STI-2818LP	3
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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 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





17" or 20" 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

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



- 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.

Item #364117020



Dry Attachment Kit included

3003AR DUST COLLECTOR & ACCESORIES



Power (3 motors)	3 x 1.3HP (4kW)
Power Supply	115V/60Hz, 18A
Depression Rate (Water Lift)	7.4 ft H ₂ O (2250mm)
Max. Air Flow Rate	300 CFM (510 m ³ /h)
Noise level	76 dB (A)
Filter type	Polyester M
Filter surface	29,100 cm ²
Suction Inlet Diameter	2-in. (50 mm)
Capacity	Longopac
Weight	186 lbs. (84 kg)
Dimensions	32 x 26 x 61 in. (80 x 66 x 155 cm)



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.

Item # 104000033



Wand & Floor Tool

- 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

Wand	104000030
Floor Tool	104700030
Bristle Refill	104700032
Squeegee Refill	104700034

Longopac



Item# 204000277



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 \varnothing 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 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 #
30	57SK30
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 TURBO CUP

- 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 attachment

Grit	Item #
16	572400160
24-"Normal"	572400240
24-"Hard Bond"	572400241
24-"Soft Bond"	572400245
24-"Super Soft Bond"	572400246
40	572400400
80-"Normal"	572400800
80-"Hard Bond"	572400801
80-"Soft Bond"	572400805
80-"Super Soft Bond"	572400806
120	572400120



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?

POLISHING PADS



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
- 4¾" & 5¾" diameters: 3 mm
- No center hole on 3"/76mm size eliminates collection of debris & spent

Grit	3 in.-Item#	4¾ in.-Item#	5¾ in.-Item#
50	920000050	920475050	920575050
100	920000100	920475100	920575100
200	920000200	N/A	N/A



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



TERRAZZO-M PADS

- Same great performance as STI's famous "Terrazzos," but cost just under \$10 each
- Same price of the "knock-off" brands, but you get top STI quality!
- Use as first cut or scratch remover
- Available in 50, 100, 200 & 400 grits
- 3-inch diameter, 3mm, Velcro backed
- Run wet only
- Use on P/M Machine or planetary

Grit	Item #
50	403000050
100	403000100
200	403000200
400	403000400



FL-07 POLISHING PADS

- 5-step process
- 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®

Grit	Item #
#3C	207000003
#4C	207000004
#5	207000005
#6	207000006
#7	207000007
#8	207000008
#LUX	207000009
#SBX	207000010



FL-08 CERAMIC PADS

- 3"/76mm velcro-backed pads
- Thorough scratch removal on medium strength concrete
- Dry use only

Grit	Item #
50	113523050
100	113523100

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

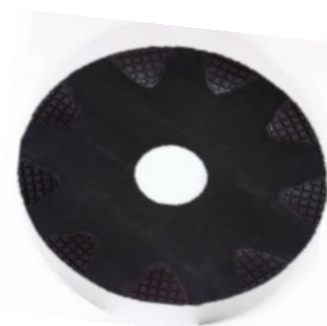
50 grit	315070050
100 grit	315070100
200 grit	315070200
400 grit	315070400
800 grit	315070800
1500 grit	315071500
3000 grit	315073000

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



SPIN-1 PADS



The new 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

See Item# to right

21-inch / 533mm

Orange Grit	605330400
Silver Grit	605330800
Blue Grit	605331500
Red Grit	605333000
Black Grit	605339999

27-inch / 685mm

Orange Grit	606850400
Silver Grit	606850800
Blue Grit	606851500
Red Grit	606853000
Black Grit	606859999

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



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