

# Prep/Master 4430 Floor Grinding Machine



**Brand:** Substrate Technology, Inc.  
**Weight:** 1,460.00lb  
**Dimensions:** 80.00in x 44.00in x 52.00in

## Short Description

- Working width: 44 in. (112 cm)
- For projects up to 20,000 SF (2,000m<sup>2</sup>)
- Electric motor: 30 HP (22kW)
- 1 or 3 phase
- Available in 230V or 480V
- Use for surface prep and polishing of concrete, terrazzo, and marble

## Description

### Prep/Master<sup>®</sup> 4430 Floor Grinding Machine (Electric)

#### Ideal for Polishing Projects up to 20,000 SF (2,000 M<sup>2</sup>)

The Prep/Master STI-4430 floor grinding machine is an ideal choice for project sizes up to 20,000 SF (2,000m<sup>2</sup>). Quite unexpectedly for its weight and size, this grinder is extremely easy to operate due to the smooth operation of the STI rotary gear system. Its 30HP motor is built to last and its variable speed drive easily adapts to different grinding or polishing conditions for concrete, terrazzo, marble, and stone applications.

The moveable pocket weight system adjusts head pressure depending upon application and the standard water tank makes it easy to switch from dry to wet work. The 4430 is available in 220V and 480V, as well as with a 25HP motor. Uses eight tool plates (included) and twenty-four tools.

- Working width: 44 in. (112 cm)
- 30 HP (22kW)
- 1 or 3 phase
- Available in 230V or 480V
- 8 tool plates (included)
- Uses 24 tools

## Videos

**Contractors choose Prep/Master for its Durability. Here is how STI does it!**

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## How to Perform an S-Curve for Grinding and Polishing Perfection

### Specification

Item Numbers	
Item #	434430230 = 4430 (220V/230V)
Item #	434430480 = 4430 (380V/480V)
Machine Specs - Electric	
Coverage	20,000 SF (2,000 m <sup>2</sup> )
Power Source	220/230 VAC 1 or 3 Phase, 60Hz or 380/480 VAC 3 Phase, 50-60Hz
Motor	30 HP - 3 phase (22kW)
Power Cord	30 ft. (9m)   6-4
Dimensions	80L x 44W x 52H in. (203 x 112 x 132cm)
Working Width	44 in. (112 cm)
Weight	1,460 lbs (662 kg)
Tools RPM	250-750 RPM variable
Tools Needed	24
Tools Attachment Style	EG Attachment System
Vacuum Hose Connection	3 in. (76 mm) (sold separately)
Recommended Vacuum	PM3003GP
Production Rates	
Mastic Removal	725 SF (70 m <sup>2</sup> ) per hour
Thin Set Removal	725 SF (70 m <sup>2</sup> ) per hour
+/-25 Mil Coatings	575 SF (60 m <sup>2</sup> ) per hour
Concrete Polishing	5,025 SF (500 m <sup>2</sup> ) per hour

