

# AVENGER™ USA

SURFACE PREPARATION

## 650 Planetary 3-Head Grinder, 25"

- Designed & Built in USA -

### FEATURES:

- The largest and most versatile and most powerful 240V Single Phase Input machine in its class!
- The next level of production can only be achieved by moving to a larger motor, weight and voltage.
- The Avenger 650 is ideal for almost any job, from small rooms to 7000 square foot warehouses
- Extremely portable and will plug into any stove or dryer outlet.
- Remove coatings, grind and polish with this multipurpose machine! **Best-selling machine in the Avenger line!**
- Preferred machine for coarse grinding, surface preparation, epoxy/coatings removal, and polishing
- **True Planetary Counter Rotating Transmission** with variable speed, forward and reverse: individual diamond heads (3) spin in unison plus a counter-rotating drum — all steel gear driven - **No unreliable drive belts to replace!**
- **Equipped with Instant Change Magnetic Plates that also accepts Husqvarna & M6 metals, 3" Velcro Plates for using resins and semi-metals.**
- Optional interlocking 68 lb. Horseshoe weight plates (3).

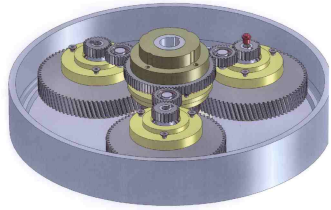


**\$11,995.00**



Specifications		Average Production Rates Per Day (May vary due to job conditions, tooling, operator, etc.)	
Motor Power	10.0 HP Induction 10,000 Hour Motor	Marble:	910 – 1300 ft <sup>2</sup>
Required Circuit	120 / 240 Volt, 30 Amp	Terrazzo:	1700 – 2400 ft <sup>2</sup>
Approx. Weight	550 lbs + two 97 lb plates available	Granite:	490 – 700 ft <sup>2</sup>
RPM Speed	300-1200 Variable Speed	Concrete:	2800 – 4300 ft <sup>2</sup>
Water Tank	6.6 gal (25 liters)	Glue Removal:	1230 – 2600 ft <sup>2</sup>
Grinding Disc Diameter	8-5/8" (3) Magnetic Counter Rotating Plates w/ velcro attachments	Paint Removal:	1800 – 4600 ft <sup>2</sup>

## DETAILED FEATURE INFORMATION:



**Exclusive All Gear Design - No Drive Belts.** Built very much like the transmission in a car with steel gears driving each grinding head (3) and a counter rotating drum (gears spin in unison, gear box spins counter clockwise), for a **True Planetary Rotating Transmission.** The case harden, steel gear driven design provides the highest production rate with less operator fatigue, a noticeable improvement in producing a Quality Finished Product and longer diamond life — while being extremely durable, reliable and even easier to maintain.

### Magnetic Instant-Change Tool Mounting & USA Made Diamonds!

All diamond tooling is secured with strong earth magnets, from the individual trapezoid metals to 3" semi-metal and resin polishing pads (velcro adaptors included.) A screwdriver is used to pry the diamonds from the magnetic base. No more wasting time dealing with bent or seized screws, even when switching from metals to resins! **BONUS:** the same magnetic plate also accepts Husqvarna & M6 diamonds!



### American Made Motor - 3-Phase Controller & Ingenuity!

Powerful, Durable & Intelligently Designed – in all Avengers.

**Robust, Sturdy 3-Phase Induction Motor Performance –** Induction motors have less parts: No carbon brushes, slip rings, capacitors, winding or commutators - motor rating is 10,000 hour vs. 500 hour for a single phase.

**Forward & Reverse on the Grinding Heads –** Expect to remove the toughest and thickest epoxy, paint, mastic or rubber and grind the deepest and fastest.

**Variable Speed –** Grind rough floors by *slowing down* the grinding speed, this will keep the diamonds from bouncing; increase the RPM's when polishing with resin tools. Variable speed optimizes your diamond tooling life AND provides “adjustments” for each job's unique conditions.

**Maximum Cooling** - Heat sinks, located in the rear of the machines, are *exposed* to open air to efficiently allow temperatures to dissipate quickly — competitive machines have their heat sinks sealed in a cabinet . . .

**MINIMAL & EASY MAINTENANCE:** With an induction 3-phase motor having less parts and the Avengers having *NO* complex electronics or drive belts to replace, **Avengers are built to last decades following this simple maintenance schedule:** Drain the gear box after the first 500 hours, thereafter every 1000 hours — Done. No other maintenance required.

**Best Built Floor Machine in America – Backed by Levetec's 2-Year "Bump-to-Bumper."** The solid design of every Avenger is backed by a **2-Year, Full "Bumper-to-Bumper" Warranty.** With **FREE** lifetime technical support or to answer job specific questions, we are here for our customers. And if you feel the need to get really technical and in-depth, the designer of the Avengers is here too.



**Metal Diamond Tools** - To grind concrete floors you use metal tooling to grind through the cap to renew or prepare the substrate for coating, sealing or polishing.

< [Click here to see the Diamond Tool Price List](#) >



**Resin Diamond Tools** - To bring a floor to a high shine it is necessary to use resin diamond tooling to polish the substrate to the look you seek.



**LEVETEC**

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[www.AvengerUSA.com](http://www.AvengerUSA.com)