

SETTING NEW
STANDARDS



HYPER
GRINDER

HRC
550E
450E



www.hypergrinder.com
MADE IN
ITALY



MADE IN ITALY

HRC 450E 550E



HRC 450E



PROFESSIONAL TECHNOLOGICAL GRINDER

The DCT system allows you to choose to smooth use only using the rotation of the tools (DCT ON mode), or with the classic complete rotation of the planetary (DCT OFF mode).

MAIN CHARACTERISTICS:

- Sturdy and compact frame for reduced footprint.
- Easily disassemblable frame for convenient transportation.
- Reversal of the planetary rotation direction. Powerful front and rear LED spotlights (optional).
- Total transmission with heat treated gears for maximum reliability and durability.
- Noise reduction levitating planetarium.
- 2 Year Warranty: The GUARANTEE for machines equipped with "hour counter" is up to 2 years or 600 hours of work.

- New smart and foldable frame.
- Transmission with heat-treated gears.
- It can also be divided into two parts.

TECHNICAL DATA

Model	Motor	Drive Inverter	Volt	Hertz	Tool Speed	Work Diameter	Tool Size	Water Tank	Size LxAxP cm	Weight
HRC 450E	2900 Watt	-	220	50	800	450mm	3x200mm	46 lt	120x125x47	117 Kg
HRC 450E VS	3000 Watt	4 kW	220	50/60	600-1000	450mm	3x200mm	46 lt	120x125x47	120 Kg
HRC 550E	2900 Watt Max	-	220	50	800	550mm	3x200mm	46 lt	120x125x57	122 Kg
HRC 550E VS	3000 Watt Max	4 kW mono	220	50/60	400-1000	550mm	3x200mm	46 lt	120x125x57	127 Kg

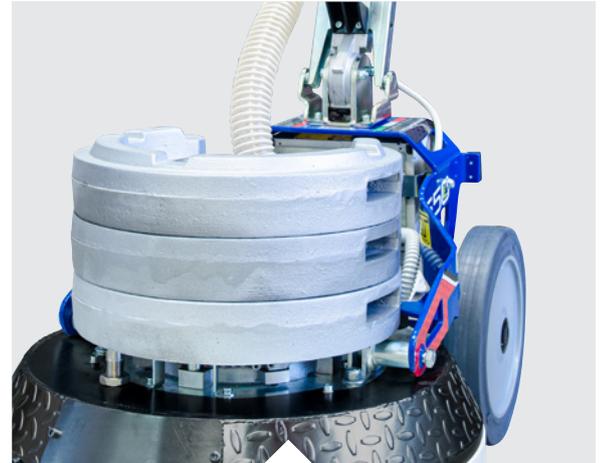
ESTIMATED PRODUCTION	HRC 550E	HRC 450E
Concrete Polishing 7 step	8-12 m ² /h	7-10 m ² /h
Concrete Grinding 1 step	35-70 m ² /h	30-35 m ² /h
Terrazzo Polishing 5 step	8-12 m ² /h	6-9 m ² /h
Resin Removal 1 step	35-70 m ² /h	30-60 m ² /h
Paint Removal 1 step	35-70 m ² /h	30-60 m ² /h
Marble Polishing 5 step	6-10 m ² /h	5-8 m ² /h
Granite Polishing 7 step	5-6 m ² /h	4-6 m ² /h

Data may vary depending on surface conditions, tools used, operator convenience, equipment, etc.

OPTIONAL:

- kit front and rear led lights. (HG105401)

Compact and performing grinding and polishing machine with DCT system and Variable speed



Extra weights (Optional)



Compact Design. Re-adjustable handle.



Volume	Size	Weight
0,72 m ³	120x80x75 cm	150 Kg (HRC 450E) 170 Kg (HRC 550E)



Easily disassemblable frame for facilitating transportation.



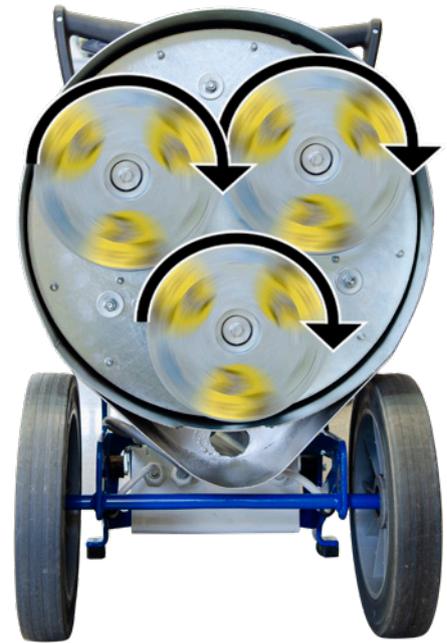
Countless accessories available for infinite applications.

DUAL CUT TECH

The new range of HRC grinders introduces the exclusive DCT transmission. Thanks to this innovative function, it is possible to lock the rotation of the main plate and allow only the rotation of the tools simply by pressing a lever on the planetary (DCT ON). With the DCT in the ON position you gain higher speeds of the satellites for a more aggressive and effective grinding. The DCT ON system is ideal for glue and resin removal work, surface preparation and floor levelling. Turning off the DCT (DCT OFF) lever will cause the main plate to rotate in the direction of the tools. In DCT OFF mode the planetarium is counter-rotating for general polishing, marble polishing, natural stone and concrete.

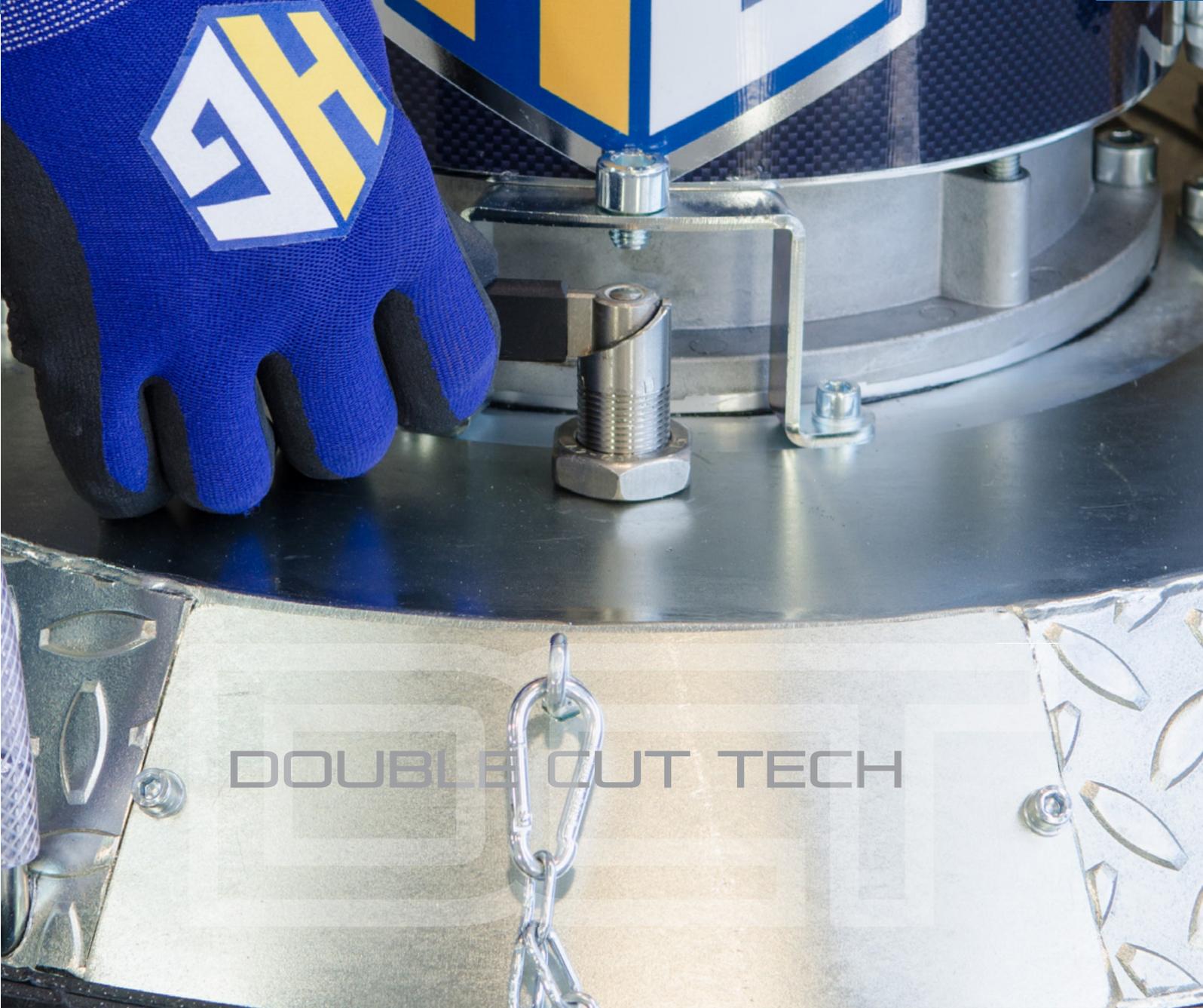


DCT ON: Only allows rotation of the tool holder satellites, this option makes HRC extremely effective and aggressive for the preparation, removal of glues and resins, for levelling the surface and for rapid exposure of the concrete aggregate.

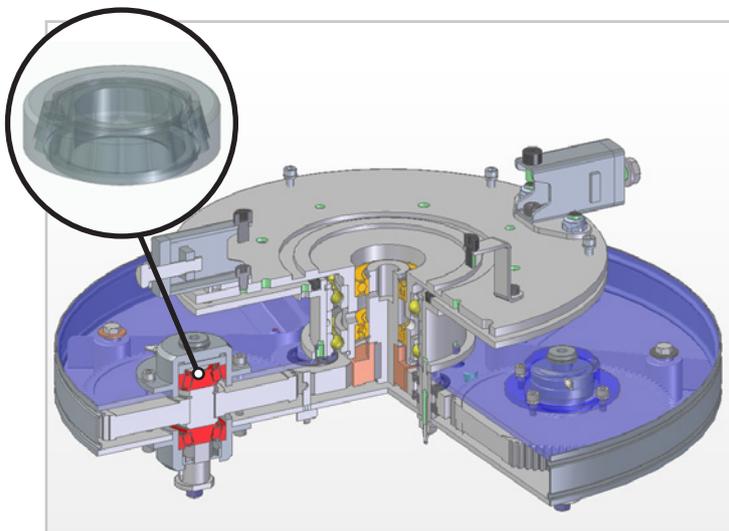


DCT OFF: Allows rotation of the planetary in counter-rotating mode, ideal for grinding and polishing concrete, marble and natural stone floors.





PLANETARY HRC SERIES



The new planetary HRC series is now even more reliable and performing **thanks to the new helical and adjustable bearings** that offer greater resistance and precision even in heavy working conditions.

The practical adjustment system of bearings allows to adjust them without having to disassemble the entire planetary, but through the adjustment of a single screw.

Helical bearings are more rigid and resistant even under high load conditions and therefore less prone to deformation.

HRC floor grinders will be more stable, silent and performing thanks to the new HRC PLANETARY.

HRC 550E 450E





New Suction Chamber



Quick Lock System



Shock-Absorbing Joints



Planetary direction inverter

HRC TOOLS



BUSH HAMMER exclusive tool useful for many applications.



SANDBLASTING sandblasting effect



PDC SCRAPER for resin removal and thick coatings.



PDC HYPER SCRAPER for resin removal and thick coatings.



TCK ARROW for resin removal and paints on hard concrete floors



BT ROUND for the removal of lower thickness resins and paints.



TCK SERIES preparations and removal of coatings on concrete floors.



HG-M diamond tools for medium abrasive concrete.



HG-H diamond tools for grinding HARD floors.



HG-S diamond tools for soft concrete.



HG-A diamond tools for very abrasive and asphalt concrete.



HG-P for standard concrete.



TRAPEZIODS



SPRING HOLD SYSTEM for perfect and homogeneous concrete polishing.



JUMPY GREEN for smoothing and polishing concrete floors.



SERIES MM metal diamond discs for polishing marble.



JUMPY YELLOW Resin disks for polishing marble floors.



SERIES MTM To smooth terrazzo, agglomerate, limestone, travertine and abrasive floors.



JUMPY ORANGE for polishing granite, Terrazzo, Limestone and Sown.



SERIES GM Metal diamond discs for smoothing granite and stoneware.



JUMPY RED Resin diamond disks for polishing granite and stoneware.



PAVELUX to remove mastic or polish marble and granite.



ANTIQUE BRUSH system for anti-queing marble, stone and terracotta.



TOOLS BOX Complete kit for grinding and polishing.



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