



HYPER  
GRINDER

made in italy

HRC  
650RX



HYPER  
GRINDER

HRC  
650

SX/RX/AD  
DGT 

MADE IN ITALY

# HRC 650 SX/RX/AD



## REMOTE-CONTROLLED FLOOR GRINDER WITH DCT SYSTEM

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:

- Single-shell chassis, robust and compact for less space.
- Tempered stainless steel planetary and gear box. Fully geared transmission.
- 180 ° overturning system for extra weight. The displaced weights increase the grinding pressure. The weights moved back facilitate the tilting operation for tool changes (Optional).
- Third wheel for easy transportation and for operations on very large surfaces (Optional).
- All functions available on remote controls.
- On board batteries for machine self displacement (RX/AT version).
- Utensils free quick attachment system for diamond tools.
- 46 litre water tank.
- Powerful front and rear LED spotlights (Optional).
- 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.

### TECHNICAL DATA

Model	Motor	Drive Inverter	Volt	Hertz	Amp	Tools Speed	Work Diameter	Tools Size	Water Tank	Size LxAxP cm	Weight
HRC 650 SX	15 HP	11 kW	380-480	50/60	25	300-1300 rpm	650mm	3x240mm	46 lt	120x125x67	470 Kg
HRC 650 RX	15 HP	11 kW	380-480	50/60	25	300-1300 rpm	650mm	3x240mm	46 lt	120x125x67	534 Kg
HRC 650 AD	15 HP	11 kW	380-480	50/60	25	300-1300 rpm	650mm	3x240mm	46 lt	120x125x67	534 Kg

# Remote-controlled planetary grinding and polishing machine with variable speed, exclusive double rotation system “Dual Cut Tech”, on board batteries and autopilot system.



Drive lever system. DCT.



Re-adjustable handle up to 90°.



Quick and secure handle adjustment pin. Eyebolts for lifting.

## ESTIMATED PRODUCTION

Concrete Polishing 7 step	12-17 m <sup>2</sup> /h
Concrete Grinding 1 step	50-90 m <sup>2</sup> /h
Terrazzo Polishing 5 step	11-17 m <sup>2</sup> /h
Resin Removal 1 step	45-85 m <sup>2</sup> /h
Paint Removal 1 step	45-85 m <sup>2</sup> /h
Marble Polishing 5 step	8-13 m <sup>2</sup> /h
Granite Polishing 7 step	5-8 m <sup>2</sup> /h

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



**Volume**  
1,31 m<sup>3</sup>

**Size**

120x80x136 cm

**Weight**

584 Kg

# DUAL CUT TECH

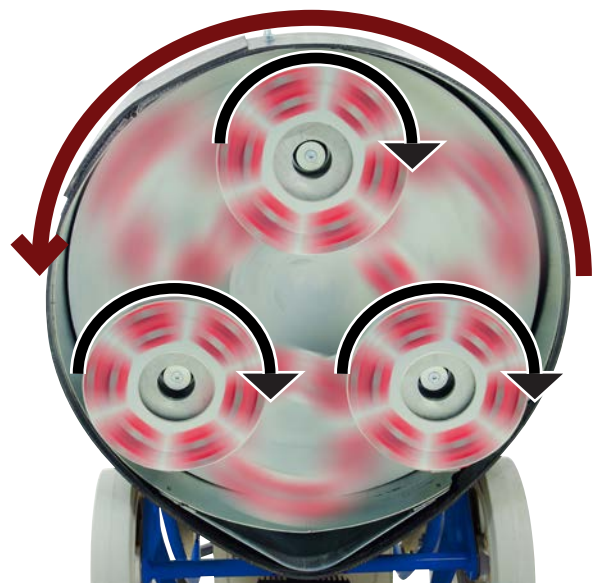
The new range of HRC grinders introduces the exclusive DCT transmission. Thanks to this innovative function, it is possible to lock the rotation of the main plate and allow only the rotation of the tools simply by pressing a lever on the planetary (DCT ON). With the DCT in the ON position you gain higher 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.

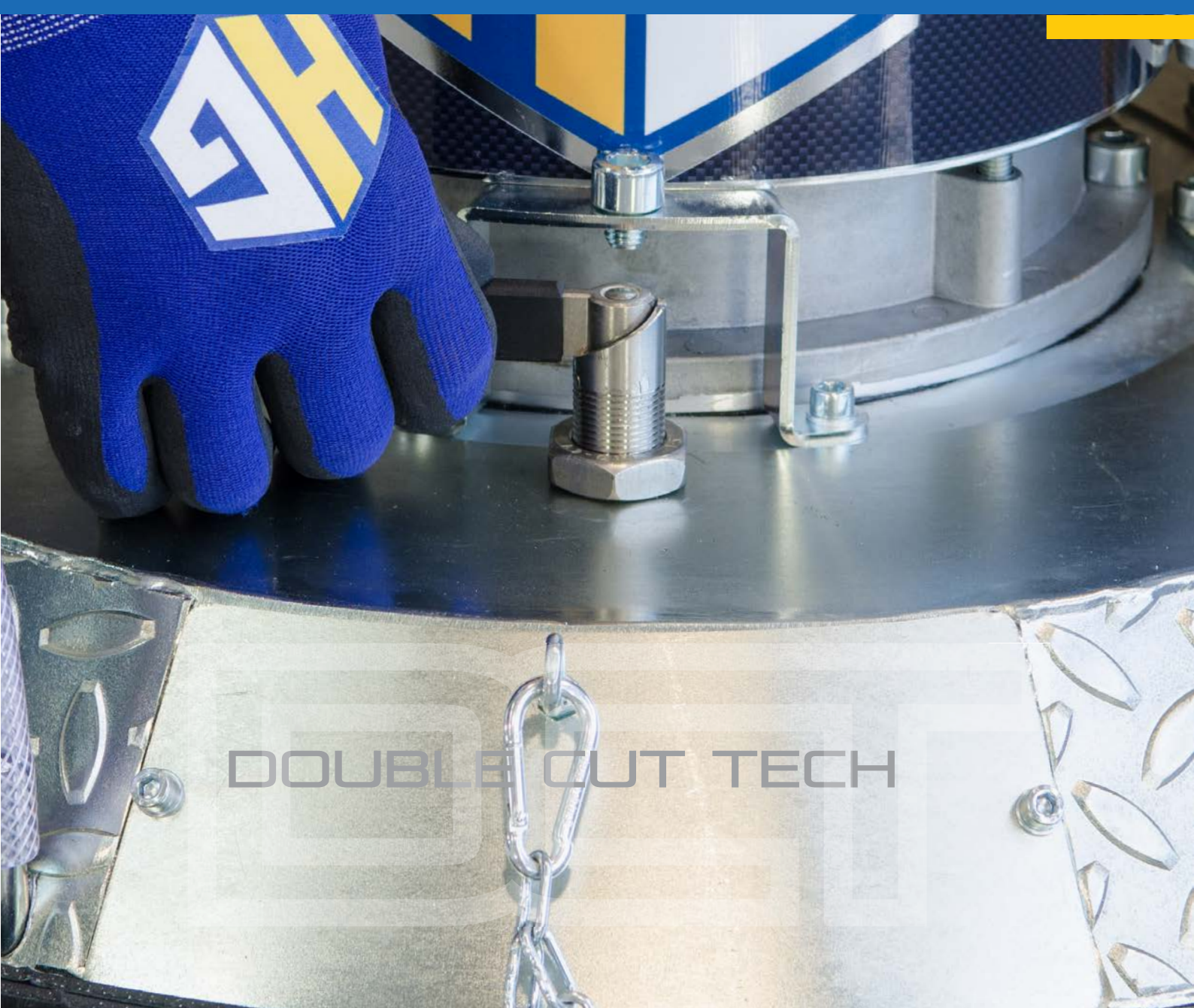


DCT ON: Only allows rotation of the tool holder satellites, this option makes HRC extremely effective and aggressive for the preparation, removal of glues and resins, for levelling the surface and for rapid exposure of the concrete aggregate.



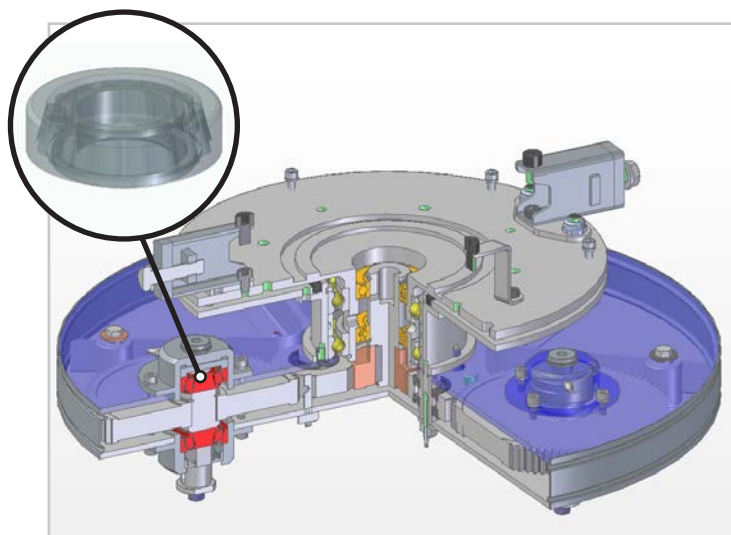
DCT OFF: Allows rotation of the planetary in counter-rotating mode, ideal for sanding and polishing concrete, marble and natural stone floors.





DOUBLE CUT TECH

## 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.

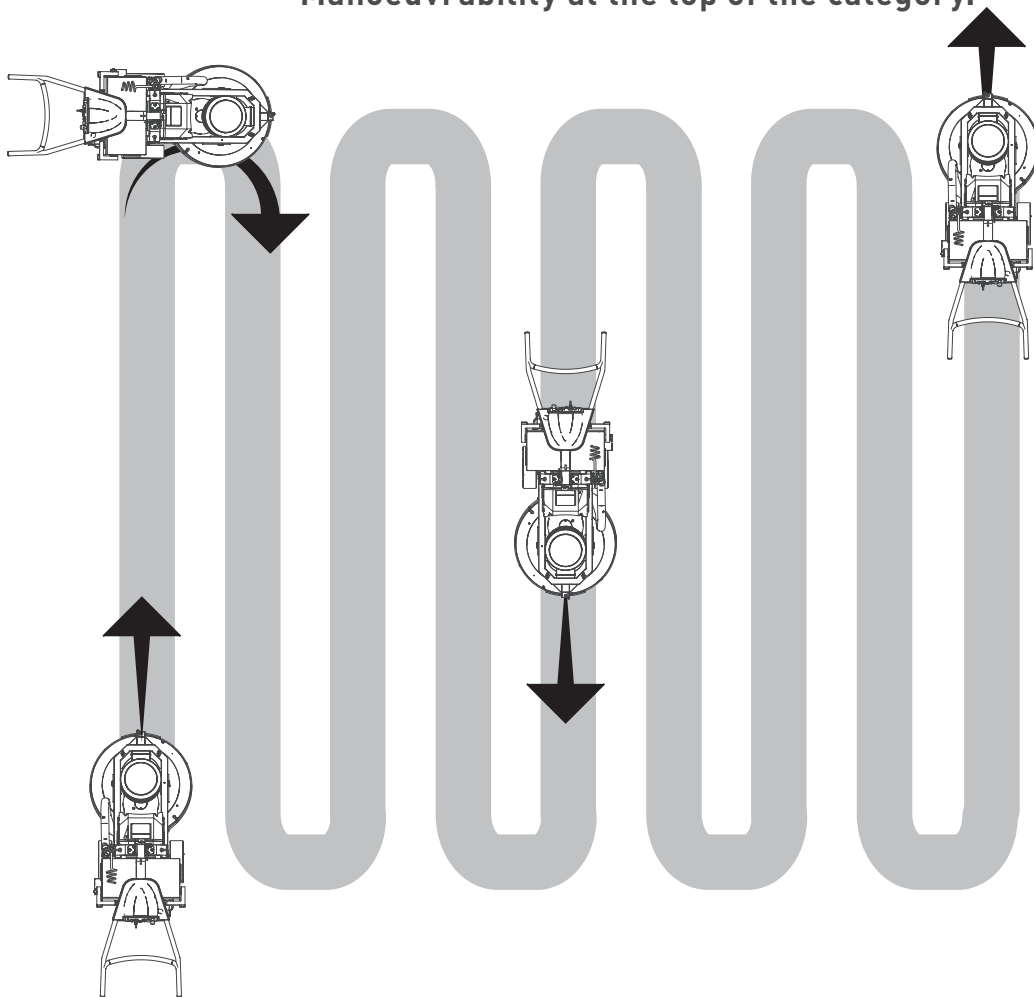
HRC floor grinders will be more stable, silent and performing thanks to the new HRC PLANETARY.

# AUTODRIVE

THE HIGHEST TECHNOLOGY AVAILABLE ON THE MARKET  
FOR GRINDING MACHINES FOR FLOORS.

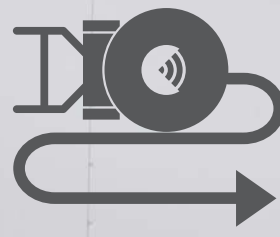
## AUTODRIVE FUNCTIONS SYSTEM

- Working pressure adjustable by radio control.
- Operates without power supply.
- Great driving power.
- Automatic tilting (Swing movement).
- Automatic reversal of travel (U-Turn).
- Automatic grinding of the entire surface.
- Manoeuvres and grinds edges with precision.
- Manoeuvrability at the top of the category.



### ALL UNDER YOUR CONTROL

HG HYPER GRINDER provides the highest remote control technology for grinders. With this extraordinary system called Autodrive (AD), the HG HYPER GRINDER honing machines can grind the entire work area on their own, going forward, swinging, turning and coming back with overlap. They can grind all the work areas on their own without leaving open areas. Moreover, without any interruption, it is possible to modify all the variables of the machine with the ergonomic and intuitive radio remote control.

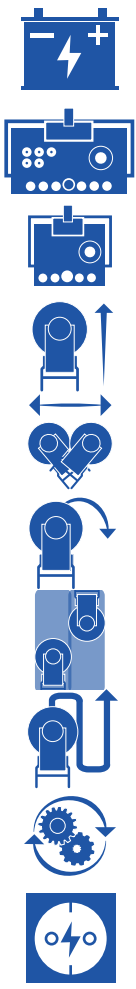


**AUTODRIVE**



# HRC SERIES

## EQUIPMENT FOR DIFFERENT VERSIONS



	HRC-SX	HRC-RX	HRC -AD
Autonomous movement by integrated battery		✓	✓
Basic remote control	✓	✓	
Advanced remote control			✓
Automatic advancement	✓	✓	✓
Automatic tilting (Swing)	✓	✓	✓
Automatic inversion (U-Turn)			✓
Automatic work track overlap.			✓
Automatic grinding of the entire surface			✓
Update in Autodrive version (AD)	✓	✓	
220V power socket attachment		✓	✓

# HRC 650

SX/RX/AD

WATCH THE  
VIDEO NOW

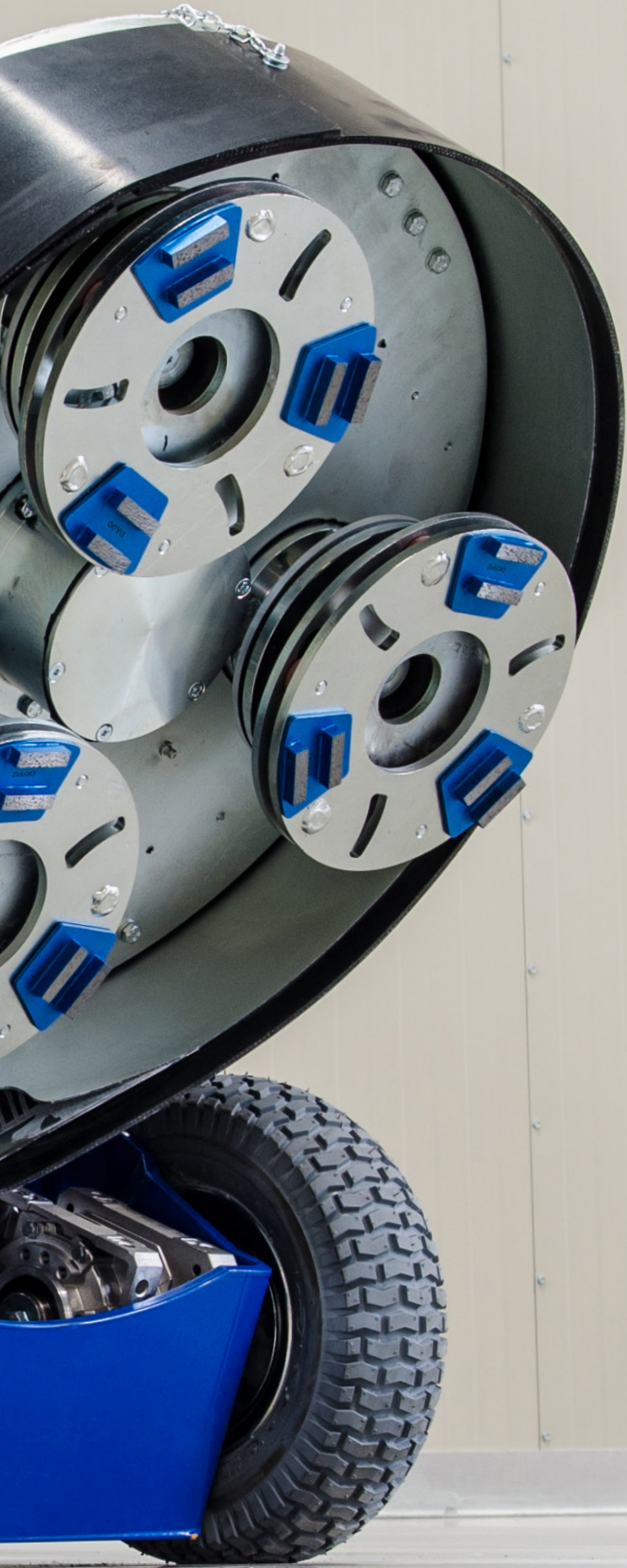


SCAN ME



HYPER GRINDER





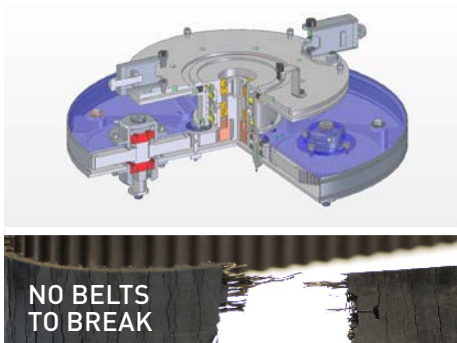
# WHY CHOOSE HRC

SETTING NEW  
STANDARDS



## EUROPEAN CERTIFIED

The HRC series complies with safety standards Art. EN 60204-1



## TRANSMISSION WITH TEMPERATED GEARS

Planetarium in 100% tempered metal and without drive belt. The gear transmission system allows the machine to work continuously while maintaining high performance. No time wasted and pauses on the site construction due to broken belts. Belt drive planet gauges do not guarantee the same performance compared to planetary gearboxes, they are also subject to breakage during work and require long repair times.

Warning: in many grinders the main dish and the satellites do not work together: if you lock a satellite the main dish keeps rotating, drastically reducing the performance of the machine.



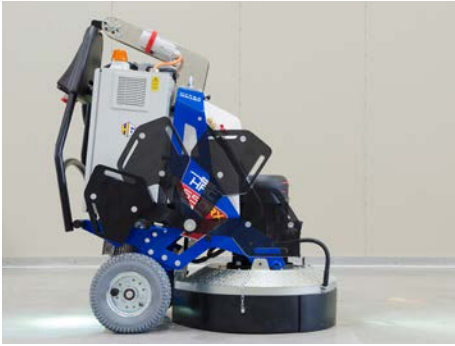
## SELECTOR TO LOCK THE INVERTER DOOR

This device prevents opening the door before switching off the electrical panel.



## SAFETY DEVICE DEDICATED TO MONITORING THE EMERGENCY CIRCUIT

This device automatically switches off the machine in the event of a fault in the electrical system, preventing possible damage and repair costs. HG HYPER GRINDER uses the highest quality electrical components and complies with safety regulations.



### ADJUSTABLE WEIGHTS

180 ° overturning system for extra weight. The displaced weights increase the grinding pressure. The weights tilt back facilitating easy of use (optional).



### EMERGENCY AND SAFETY BUTTON

The emergency button immediately stops the engine and all the “moving parts” (such as tools) avoiding any possible danger.



### NEW DASHBOARD

HG Hyper Grinder introduces the new dashboard for the grinding machines. Cup holder and 2 USB sockets to make your job even more comfortable.



### ADJUSTABLE HANDLE UP TO 90°

Handle in the rest position to reduce the clutter in the warehouse and in transport.



### RAPID WATER CONNECTION

Convenient quick connection for connecting the water pipe directly. The tap allows you to adjust the water supply on the floor.



### OPTIMIZED SUCTION SYSTEM

Connection to the vacuum cleaner in order to work dry and without dust.



### VARIABLE SPEED

From 600 to 1300 rpm Many grinders on the market instead have a limited speed range.



### 46 LITER WATER TANK

The water tank is imperative during wet grinding. Many grinding machines on the market do not have a tank or have a smaller one.



### EFFECTIVE WEIGHT DISTRIBUTION.

The HRC grinders are built with the engine positioned on the centre of the planetary thus ensuring a perfect balance and maximum working pressure in all conditions and surfaces including Marble, Terrazzo and Concrete. Many grinders on the market, on the other hand, are not suitable for polishing and polishing marble floors.



### WE GIVE IMPORTANCE TO STEEL

HRC sanders are designed to be very robust and reliable over time: • Frame in treated and painted steel. • Planetarium sump is made of almond metal and galvanized for and protects from shocks.

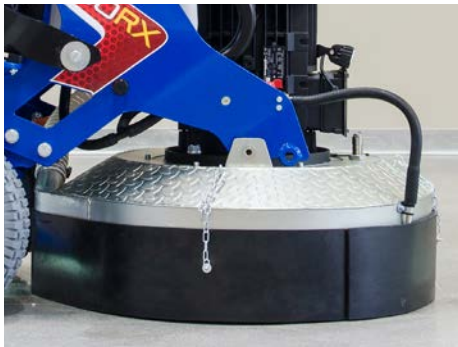
Many grinders have a plastic casing that is easy to break, do not protect the tools from impact and do not allow to work flush against the wall.



### RADIO CONTROL AUTODRIVE

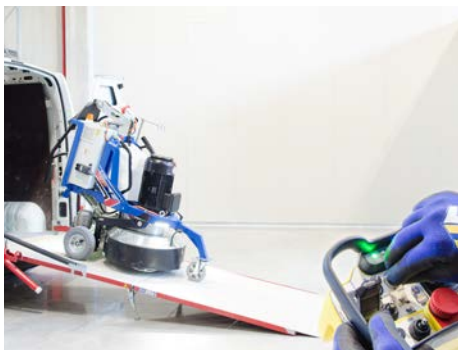
The highest technology in the grinding market.

With this fantastic system called "AUTODRIVE" (AD) the grinders are able to grind the whole area by themselves, swinging forward, turning and coming back behind, surmounting the grinding tracks without leaving uncovered areas. Without any interruption, it is also possible to modify all the variables of the grinder with a convenient, compact and intuitive radio control.



### SPLASH GUARD

In long duration neoprene.



### AUTONOMOUS MOVEMENT WITH INTEGRATED BATTERIES

The versions with integrated batteries allow the machine to be moved even in the absence of an electric network. The powerful traction motors allow the machine to move even on uneven surfaces or with a considerable slope, like the platforms of the vans.



### THIRD FRONT WHEEL

The third removable front wheel offers the following advantages:

- Facilitates transport, loading and unloading.
- It is very useful when working on very irregular surfaces.

Many competing machines do not own the front wheel.



### 2 YEARS WARRANTY

The GUARANTEE for HG grinder with "hour counter" is extended up to 2 years or 600 hours. To receive the extended warranty you will need to follow the maintenance schedule at an authorized HG HYPER GRINDER workshop. The first maintenance must be performed within a year or 500 hours of work.



#### 2 YEARS WARRANTY

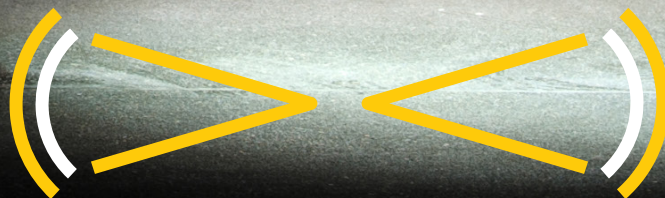
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SETTING NEW  
STANDARDS



H Y P E R  
G R I N D E R

H R C  
6 5 0



POWERFUL FRONT AND REAR LED

# HRC ACCESSORIES



- 2 x 16A 1Ph 200V sockets • 1 16A 3Ph 5P 400V socket • 1 32A 3Ph 5P 400V socket • V0 self-extinguishing fiberglass cassette • IP 65 protection rating • 2 mt. of H07RN-F cable and CEE IP67 plug • Protected sockets with Interlocked Magnetothermic Differential • Emergency button always present • Grounding screw • Thermo-hardener handle for portable use • Brackets for wall mounting. Particularly suitable for construction sites and uncomfortable environments.

The framework is equipped with the new LED system that helps you to always keep under control the line of your yard. It allows you to immediately identify where the fault is. The LED system also displays the arrival of the earth, allowing you to always work safely.

## POWER ADAPTERS

with extension of 25 mt. 5G6 with 32A 5P 400V plug

TFG20101/SPRT Power adapters



- 2 x 16A 1Ph 200V sockets • 1 x 16A 3Ph 5P 400V sockets • 1 x 32A 3Ph 5P 400V sockets • V0 self-extinguishing fiberglass case • IP 65 protection rating • 2 mt. of H07RN-F cable and CEE IP67 plug • Protected sockets with Interlocked Magnetothermic Differential • Emergency button always present • Grounding screw • Thermo-hardener handle for portable use • Brackets for wall mounting. Particularly suitable for construction sites and uncomfortable environments.

The framework is equipped with the new LED system that helps you to always keep under control the line of your yard. It allows you to immediately identify where the fault is. The LED system also displays the arrival of the earth, allowing you to always work safely.

## POWER ADAPTERS

Robust 200 from 25 mt. 5G10 3P + N + T with 63A Series HQ plug

TFG20101C Power adapters



## EXTENSION FROM 25 MT.

5G6 with 32A 5P 400V plug

PR38073056 Extension



## TESTER

network presence on a single phase + neutral + earth

TST-04	Three-phase plug 400V 5 poles 32A
TST-02	Three-phase plug 400V 5 poles 16A
TSM-01	Civil plug 200V 16A
TSM-02	Shuko plug 200V 16A





**EXTENSION**

Robust 200 from 25 mt. 5G6 3P + N + T with 32A Series HQ plug

CM035701 Extension



**EXTENSION**

Robust 200 from 25 mt. 3G4 2P + T with 16A Series HQ plug

CM036501 Extension



**EXTENSION**

Robust 200 from 25 mt. 5G6 3P + N + T with 16A Series HQ plug

CM036101 Extension



**EXTENSION**

Robust 200 from 25 mt. 5G10 3P + N + T with 63A Series HQ plug

CM035301 Extension



**MULTIPLE**

3 outputs 3P + N + T with 400V / 200V cable

VB1850 Multiple



**MULTIPLE**

with 3 outputs 1P + N + T with 200V cable

VB1552 Multiple

# HRC TOOLS



**BUSH HAMMER** exclusive tool useful for many applications.



**SANDBLASTING** sandblasting effect



**PDC SCRAPER** for resin removal and thick coatings.



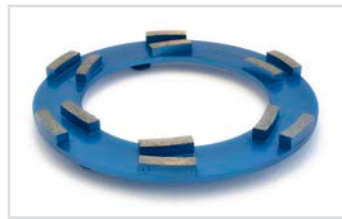
**PDC HYPER SCRAPER** for resin removal and thick coatings.



**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-D** 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.



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



**TOOLS BOX** Complete kit for grinding and polishing.



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