

SETTING NEW
STANDARDS



HYPER
GRINDER

TITAN
500



MADE IN ITALY

TITAN 500



COMPACT AND PERFORMING GRINDING AND POLISHING MACHINE WITH ONE WAY ROTATING PLANETARY

TITAN 500 is a very compact and performing single-phase grinding and polishing machine equipped with a mono-directional fully geared planetary and variable working speed. It is the ideal machine for large marble, terrazzo, granite and concrete surfaces and for the preparation of industrial floors, bush-hammering, grinding, fast removal of old glues and resins and mirror-polished concrete through the HyperConcrete system.

MAIN FEATURES:

- Single-shell framework, robust and compact for less space.
- Easy and quick removal of the planetary that allows the use 20" discs, brushes and tools.
- 180° overturning system for extra weights . Move the weights to the front to gain grinding pressure or to the back to facilitate the tool changes tilting operation (Optional).
- 46 litres water tank.
- Total mechanical transmission with thermoset gears for maximum reliability and durability.
- 2 Year Warranty: The GUARANTEE for machines equipped with hour meter is up to 2 years or 600 working hours.

TECHNICAL DATA

Model	Motor	Volt	Hertz	Motor Speed	Tool Speed	Work Diameter	Tool Size	Water Tank	Size LxAxP cm	Weight
TITAN 500	2900 Watt max	220	50/60	155 rpm	1000 rpm	500mm	3x200mm	46 lt	120x100x50	Kg 180
TITAN 500 VS	3000 Watt max	220	50/60	120-250 rpm	600-1300 rpm	500mm	3x200mm	46 lt	120x100x50	Kg 180



COMPACT AND PERFORMING GRINDING AND POLISHING MACHINE with one way rotating planetary



Additional weight (optional).



Re-adjustable handle up to 90°.



Quick and secure handle adjustment pin. Eyebolts for lifting.

ESTIMATED PRODUCTION

Concrete Polishing 7 step	8-12 m ² /h
Concrete Grinding 1 step	40-60 m ² /h
Terrazzo Polishing 5 step	9-15 m ² /h
Resin Removal 1 step	40-60 m ² /h
Paint Removal 1 step	40-60 m ² /h
Marble Polishing 5 step	8-12 m ² /h
Granite Polishing 7 step	3-5 m ² /h

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



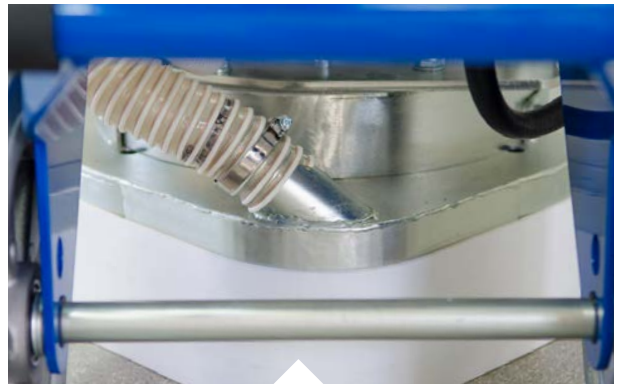
Volume
0,72 m³

Size
120x80x75 cm

Weight
205 Kg

TITAN 500





New vacuum hood.



Up to 81 KG extra weight (optional).



CONCRETE - TERRAZZO



MARBLE - GRANITE



FLOOR RESTORATION with FLOOR PAD 21"



BUSH HAMMER 21"



The most versatile grinder in the world

TITAN 500



New 20" tools disc with FLOATING JOINT for quick grinding and removal.



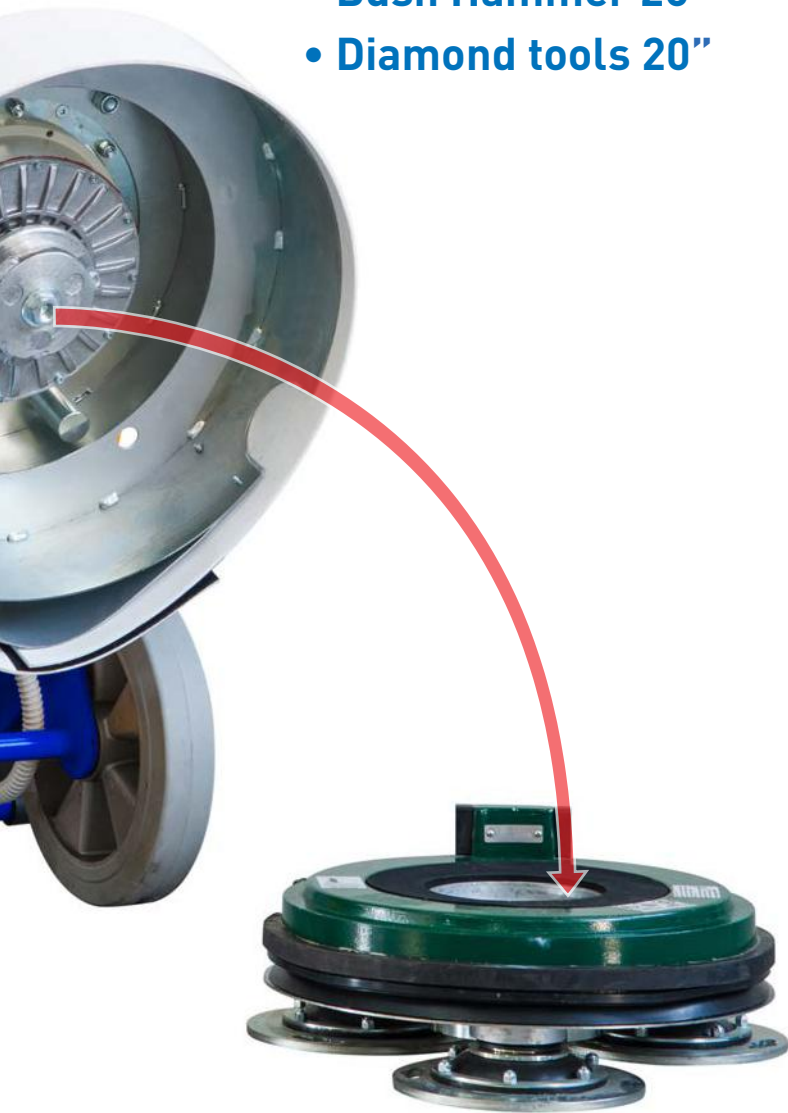
GRINDING AND POLISHING

PREPARATION



With **TITAN 500** it is possible to quickly remove the planetary head and use:

- **Brush 20"**
- **Floor Pad 20"**
- **Bush Hammer 20"**
- **Diamond tools 20"**



TITAN IS QUICKLY DIVIDED IN 3 PARTS



CLEANING with BRUSH 21"



POLISHING with DIAMOND FLOOR PADS



RESIN REMOVE



ANTI SLIP TREATMENT



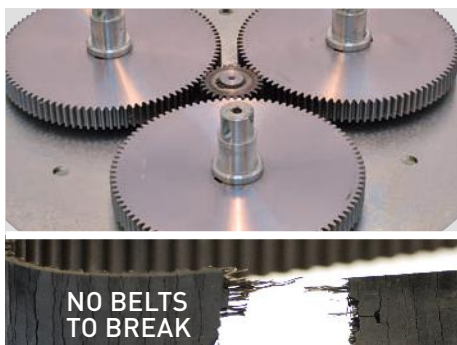
WHY CHOOSE TITAN

SETTING NEW
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EUROPEAN CERTIFIED

The TITAN 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.



RESET FOR THE SECURITY SYSTEM

The new ignition (restart) after any stoppage can not happen accidentally. Each restart must be active and not passive, if for example an operator accidentally connects the power supply, the machine does not start up again. To restart the machine the operator must correctly follow all the instructions. Even after switching off with the emergency button, many machines on the market start automatically after reconnecting the power supply, if this happens accidentally when the operator is intent on changing tools, the risk becomes very high.



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 TITAN 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.

TITAN sanders are designed to be very robust and reliable over time:

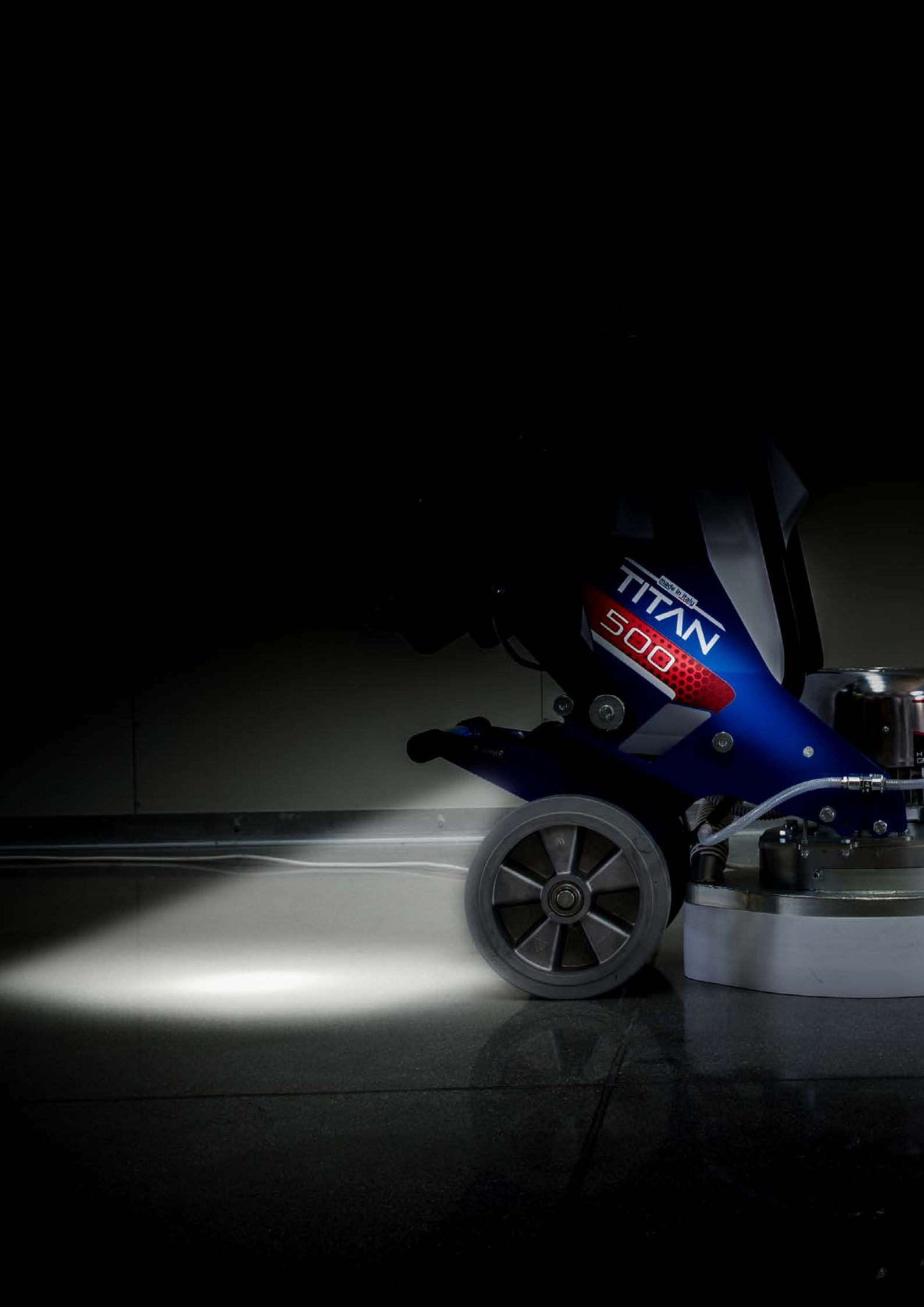
- Frame in treated and painted steel.
- Planetarium sump is made of almond metal and galvanized for and protects from shocks.

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.



2 YEARS WARRANTY

The GUARANTEE for TITAN 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.



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

TITAN
500



POWERFUL FRONT AND REAR LED
(OPTIONAL)



• 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













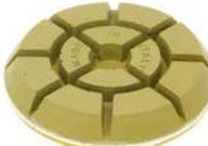







MULTIPLE

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

VB1552 Multiple

TITAN 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-X 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.
			
TRAPEZOIDS	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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