



LION 430 HD



LION 430 PLUS

### LION 430

Lion430 is a revolutionary floor grinding machine with double working modes: Grinding mode with floating head and wheels on the ground; Sanding mode with rigid head and raised wheels. The Lion Plus planetary is made of tempered steel gears. The gearbox is fully made in hard metal. The quick release of planetary and the "oscillating head lock" system allow to turn Lion430 from a powerful grinder into a performing single disc machine in few seconds. Lion430 can fit any tool for sanding or preparing floors and any accessory for single disc machines. Lion430 can work both dry or wet.

✓ **Robust:** every component is designed to last.

✓ **Noisless:** transmission with high precision gears.

✓ **Safety:** controls against accidental starting and manipulation with hand protection.

✓ **Versatile:** the most complete range of accessories on the market.

### TWO WORKING MODES



**GRINDING MODE:**  
Oscillating head and down wheel position.



**SANDING MODE:**  
Rigid head and raised wheels.

## TECHNICAL DATA

### TECHNICAL DATA

Code	Model	Motor HP max	Volt	Hz	Speed Motor rpm	Planetary speed rpm	Working width mm	Tank liquids Lt	Dimensions LxAxP cm	Basic machine weight Kg	Planetary weight Kg
705HGLHD Price does not include any accessories.	LION 430 HD	4	220	50	155	800	430	20 lt	43x127x70	75	8
706HGLHDCPL Price includes: Planetary Lion HD, n.3 velcro pad holders Ø 140mm AS, metallic vacuum hood, pad holder Ø 430mm.	LION 430 HD CPL	4	220	50	155	800	430	20 lt	43x127x70	83	8
700HGLPLUS Price does not include any accessories.	LION 430 PLUS	4	220	50	15 5	800	430	20 lt	43x127x70	75	18,5
701HGLPLUSVS Price does not include any accessories.	LION 430 PLUS VS	4	220	50	155-250	800-1300	430	20 lt	43x127x70	80	18,5
700HGLPLUSCPL Price includes: Planetary Lion PLUS, n.3 velcro pad holders Ø 140mm AS, metallic vacuum hood, pad holder Ø 430mm.	LION 430 PLUS CPL	4	220	50	155	800	430	20 lt	43x127x70	94	18,5
704HGLPLUSCPLVS Price includes: Planetary Lion PLUS, n.3 velcro pad holders Ø 140mm AS, metallic vacuum hood, pad holder Ø 430mm.	LION 430 PLUS VS CPL	4	220	50	155-250	800-1300	430	20 lt	43x127x70	99	18,5

## MAIN ACCESSORIES

### ADDITIONAL WEIGHTS UP TO 120 KG OF WORKING PRESSURE

With Lion430 it is possible to use two optional additional weights of 17Kg each. The machine is equipped with special seats where the weights will fit perfectly without play and without the use of screws or tools.

HGCA51001	Extra weight 17 kg.
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### METALLIC VACUUM HOOD

Sturdy rigid hood equipped with pipe union for coupling the suction tube and lower band with bristles. For clean and dust-free work.

HG127001	Vacuum hood Lion 430
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### VACUUM KIT ON BOARD

Practical on-board extractor kit that can be installed quickly on the handle of the machine. Vacuum cleaner to be integrated into the machine. Innovative design, 1400W Max. Hepa filter. 20 lt dust tank Quick release for unloading. Possible use of internal bags for collection.

HGAP1201S	Kit aspiratore a bordo per Lion430
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### LIQUID TANK

20 lt liquid tank. Robust shockproof ABS. Delivery adjustment rod in ergonomic position.

HG108801	Tank HG 20lt.
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### FLANGE: MODULAR ADAPTER

Flange for HD and PLUS version. To adapt brushes, drivers and plates to the Lion 430 HD or Lion 430 PLUS versions.

HG506140KLM10	Lion 430 HD Flange
HG506140COM10	Lion 430 PLUS Flange



HG506140COM10



HG506140KLM10



## PLANETARIES

### LION PLUS PLANETARY

Mono-directional planetary multiplies tool speeds up to 1300 rpm. 3 tool holder diam.140mm. Weight 18,5 Kg. Quick coupling without tools. Gears in tempered steel for sanding at maximum performance.

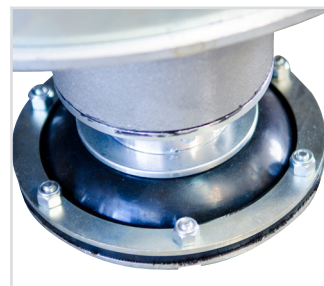
\* Only for Lion PLUS.



Protection from sanding dust and sludge.



Gears in hardened steel.



Flexible anti-shock joint on each satellite.

HG126901

Lion PLUS Planetary

### PLANETARIO LION HD

Mono-directional planetary multiplies tool speeds up to 1300 rpm. 3 tool holder diam.140mm. Gears in tempered steel for sanding at maximum performance. Provides an extraordinarily fine and regular sanding result. Weight 8 Kg.

\* Only for Lion HD.



HG127902

Lion HD Planetary

## DRIVE PLATE

### MULTIDISK A4 LION HD

Free counter-rotating planetary 4 heads diameter 140mm (5,5"), increases the speed of rotation of the diamond discs for a faster work compared to a normal driving disc. Ideal for sanding and preparing concrete or for fine sanding of wooden floors.

\*Only for Lion HD.



HG129001

Multidisk A4 Lion HD

### FIX PLATE A3

Disc with three fixed attachments for 3 tools diameter 140mm such as metal discs or diamond resinoids, carborundum discs, Tytan, brushes for antiquing etc ...

00801HD

Fix plate A3 HD

00801W

Fix plate A3 PLUS

### EASY PLATE A6

Driving disc for using abrasive floor pads or diamond discs with Velcro attachment.

430161HD

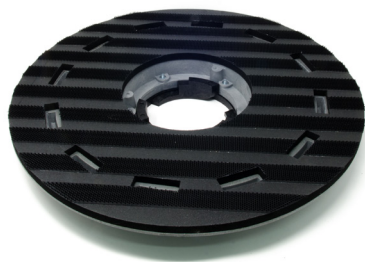
Easy plate 430mm HD

430161W

Easy plate 430mm PLUS



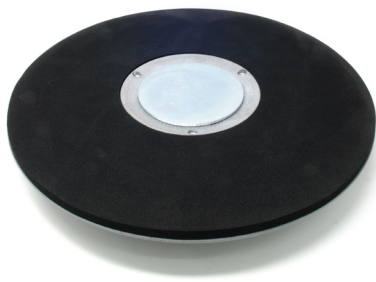




### PAD HOLDER FLOOR PADS 430MM

Driver for floor pad, Hypershine or Spiral abrasive discs. Available for all single disc machines on the market.

43001HD	Pad holder floor pads 430mm HD
43001W	Pad holder floor pads 430mm PLUS

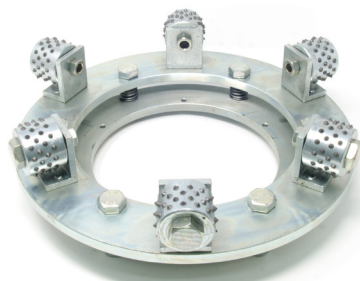


### SAND PAPER HOLDER 430MM

Driver to use sandpaper diam. 430mm or Tytan disc 430mm.

HG45027HD	Sandpaper holder 430mm HD
HG45027W	Sandpaper holder 430mm PLUS

## SPECIAL PLATE



### BUSH HAMMER 416

To make marble, granite and natural stone surfaces non-slip. Removes glues, paints and resin. It crushes thick resins which are difficult to remove with other tools.

HG45030HD	Complete kit HD
HG45030W	Complete kit PLUS
HG45031	Replacement rollers



### GROUTING PLATE 430

For the distribution and penetration of grout into the joints of the floor. Interchangeable rubber spatulas.

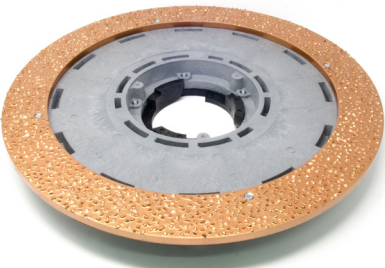
45026HD	Grouting plate 430mm HD
45026W	Grouting plate 430mm PLUS
HG450263	kit rubber 8pz.



### SMOOTH CONCRETE DISC

Compacting disc for fresh cement.

HG51025HD	Smoothing disc HD
HG51025W	Smoothing disc PLUS



### TYTAN RING 430

For removing old cement glues and resins, for scratching floors and for removing creases and over-thickness.

HG430170HD	Coarse grain ring HD
HG430170W	Coarse grain ring PLUS
HG430180	Replacement ring in large grain



### CARBORUNDUM DISC 410MM

Disc for aggressive sanding on cementitious screeds. Eliminates creases and material overlays. Also ideal for removing old glues from carpet and parquet.

HG410728HD	Plate with carborundum ring HD
HG410728W	Plate with carborundum ring PLUS
HG410729	Replacement ring in carborundum

## BRUSHES



## WINNEX BRUSH - 430MM

Hard "abrasive" brush for deep washing. Ideal brush to quickly create the antique effect on soft woods. Available for all single disc machines on the market.

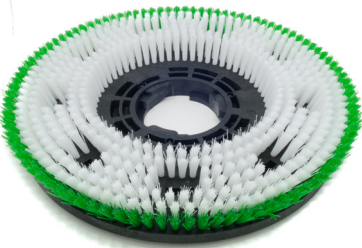
43004HD	Winnex brush 430mm HD
43004W	Winnex brush 430mm PLUS



## MOQUETTE BRUSH - 430MM

Soft bristle brush perfect for carpeting and rugs. Available for all single disc machines on the market.

43005HD	Moquette brush 430mm HD
43005W	Moquette brush 430mm PLUS



## STANDARD BRUSH - 430MM

Standard brush with medium hardness bristles.

43002HD	Standard brush 430mm HD
43002W	Standard brush 430mm PLUS



## POLISHING BRUSH - 430MM

High quality brush for polishing floors. Available for all single disc machines on the market.

43003HD	Polishing brush 430mm HD
43003W	Polishing brush 430mm PLUS

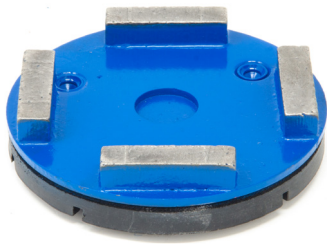


## STEEL BRUSH - 430MM

Steel bristle brush - for cleaning and scraping floors. Available for all single disc machines on the market.

43009HD	Steel Brush 430mm HD
43009W	Steel Brush 430mm PLUS

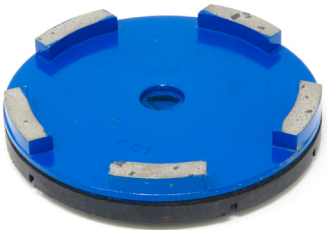
## FLOOR PREPARATION TOOLS



## HG A - 140MM - (5,5") 4 SEGMENTS

Diamond discs for **ABRASIVE CONCRETE**. Guarantees high removal by reducing tool consumption.

140859HGA4S	HG A - 00	#20
140859HGA4S	HG A - 0	#40



## HG H - 140MM - (5,5") 5 SEGMENTS

Diamond discs for **HARD CONCRETE**. Guarantees high removal by reducing tool consumption.

HGH140829	HG H - 00	#20
HGH140830	HG H - 0	#40

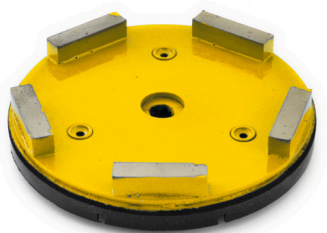
## COATING AND RESIN REMOVE TOOLS



## BT ROUND - 140MM - (5,5") 4 SEGMENTS

Extremely aggressive cylindrical tools for **removing resins, glues and paints**. They are also a good choice for smoothing hard concrete. Do not use to on abrasive concrete.

HG140719BTR4S	BT00	#30/40
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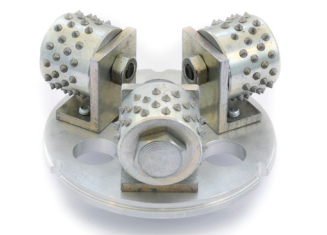


## TCK - 140MM - (5,5") 5 SEGMENTS

Abrasives with diamond segment and TCK TECHNOLOGY, extremely hard and aggressive. Quickly **removes corrugations, mastics, varnishes, film and epoxy resins, self-levelling and various coatings** on abrasive concrete floors. Recommended for levelling and floor preparation on soft and abrasive concrete. Long life.

TCK140868HG	TCK - 00S	
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## BUSH HAMMER TOOLS



## BUSH HAMMER - 140MM - (5,5")

It makes anti-slip marble, granite and natural stones surfaces. It removes glues, paints and epoxy resin. It shatters thick resins hardly removable with other type of tools. It creates the "exposed face effect" on pre-cast panels. It bush hammers all type of surfaces. Prepares the surface for resin application. Bush hammer used in combination with diamond tools, leave the surface perfectly smothered and to the desired conditions of roughness according to the next required treatment.

HGUT2302K1000PS	Bush hammer 140mm	
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## WOOD TOOLS

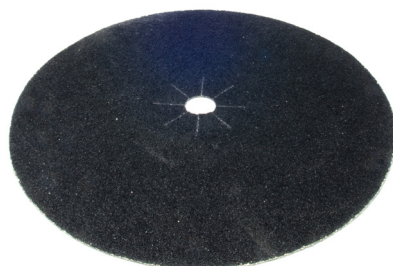
## PARKET DIAMOND - 140MM - (5,5") 4 SEGMENTS



Higher removal rate compared to sand papers. Lifespan increased by 100 times compared to a set of standard sand paper. Do not get clogged and have no loss efficiency even with hard to remove paint or paints that tend to get knead. Faster levelling stage even with respect to belt machines. Also usable on big sized grinders to smooth large areas ensuring very high flatness results.

HG140861AS	Parket 1
HG140862AS	Parket 2

## DOUBLE-SIDED SAND PAPER 430



- Exceptional removal performance.
- Exceptional duration of use.
- Optimized for sanding in dry machining.

HG430016	Sandpaper 16,7"	#16
HG430024	Sandpaper 16,7"	#24
HG430036	Sandpaper 16,7"	#36
HG430060	Sandpaper 16,7"	#60

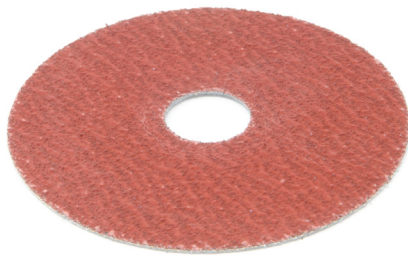
## MESH DISC



For precise and uniform sanding results. Compatible for use with planetarium or with single disc machine. Thanks to the mesh structure the dust is removed from the sanding surface in an optimal way. The work takes place practically in the absence of dust. The sanding surface remains visible throughout the entire process.

HG430060R	Mesh disc 16"	#60
HG430080R	Mesh disc 16"	#80
HG430120R	Mesh disc 16"	#100
HG430220R	Mesh disc 16"	#220
HG140080RVEL	Mesh disc 5,5" (box 30 pz)	#80
HG140120RVEL	Mesh disc 5,5" (box 30 pz)	#120
HG140240RVEL	Mesh disc 5,5" (box 30 pz)	#240





### CERAMIC SAND PAPER - 140MM - (5,5")

High quality ceramic abrasive for extreme sanding performance. The ceramic formula ensures that new sanding blade are constantly created during sanding.

- High flexibility for working with planetary sanding machines.
- High removal capacity.
- Extremely long duration of use.
- High performance and durability.
- Excellent for wood and hardwood.
- With internal hole.
- Robustness, resistance and solidity on the edges.
- The high quality velcro guarantees perfect adherence to the pad holder.

HG140036C	Ceramic sandpaper 5,5" (box 30 pz) #36
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HG140050C	Ceramic sandpaper 5,5" (box 30 pz) #50
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### SAND PAPER - 140MM - (5,5")

Highly flexible paper for working on wood. The complete range of granulometry allows any sanding work to be carried out universally, from coarse removal to fine sanding.

- Maximum resistance to tearing and working pressure.
- High removal performance.
- Suitable for wood and metal working.
- With internal hole.
- Long duration of use.
- The high quality velcro guarantees perfect adherence to the pad holder.

HG140024	Sandpaper 5,5" (box 30 pz)	#24
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HG140036	Sandpaper 5,5" (box 30 pz)	#36
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HG140060	Sandpaper 5,5" (box 30 pz)	#60
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HG140080	Sandpaper 5,5" (box 30 pz)	#80
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HG400100	Sandpaper 5,5" (box 30 pz)	#100
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### VELCRO PLATE - 140MM - (5,5")

To use sandpaper, mesh disc or velcro tools diam.140mm - (5.5 "). They quickly fit into the planetary tool holder. The high quality velcro guarantees a perfect adherence of the sand paper or abrasive pad.

TV00684	Soft mousse velcro plate
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TV00683	Hard mousse velcro plate
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## QUICK LOCK HOLDERS

### SELF-COOLING HOLDER READY LOCK - 140MM - (5,5")

Self-cooling holder for Ready Lock tools. Designed to effectively dissipate the heat accumulated in the tool during dry machining. It confers the maintenance of high tool performance over the entire range of use. This adapter is equipped with flexible spacers, during use it generates a vortex of air around the tools, cooling them, and at the same time they facilitate the suction of dust during sanding.

- Lower tool consumption.
- Greater effectiveness of dust extraction.
- Increased performance during dry sanding.
- Reduction of tool costs.
- Quick Lock tools are compatible with adapters of various sizes. It is possible to use the same tools on machines with tool holders of different diameters.
- The small size allows a smaller footprint in the warehouse and an economic advantage in shipping.

HGUT025201

Tools holder Ready Lock 140mm



### PLATE 430 READY COOL

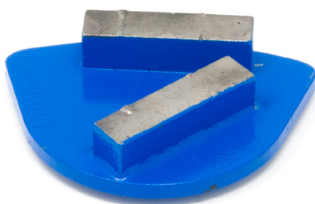
Metal plate diam. 430mm to use all quick lock tools. Ideal for preparation and removal.

HG129601

Ready cool plate for Lion HD

HG130801

Ready cool plate for Lion PLUS



## QUICK LOCK TOOLS FOR FLOOR PREPARATION

### HG S - QUICK LOCK

Diamond discs for **SOFT CONCRETE**. Guarantees high removal by reducing tool consumption.

700539

HG S - 00

#20



### HG H - 140MM - (5,5") 5 SEGMENTS

Diamond discs for **HARD CONCRETE**. Guarantees high removal by reducing tool consumption.

700339

HG H - 00

#20

700340

HG H - 0

#40

## QUICK LOCK TOOLS FOR REMOVAL



## BT ROUND - 2 SEGMENTS

Extremely aggressive cylindrical tools for **removing resins, glues and paints**. They are also a good choice for smoothing hard concrete. Do not use to on abrasive concrete.

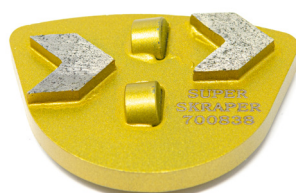
700959	BT00	#30/40
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## PCD SCRAPER - 140MM - (5,5'')

For **removing resins and thick coatings**. Produced with a polycrystalline diamond segment. Removes all types of coatings such as paint, glue, epoxy resin, acrylic, screed residues, adhesive tar and elastic material.

700837	PCD SCRAPER
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## HYPER PCD SCRAPER - QUICK LOCK

Suitable for the **removal of resin and filming paints** on hard concrete floors in good condition. They do not damage the substrate. Leave the surface with regular scratches. Do not use for sanding abrasive concrete.

700838	HYPER PCD SCRAPER
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## TCK - QUICK LOCK

Abrasives with diamond segment and TCK TECHNOLOGY, extremely hard and aggressive. Quickly **removes corrugations, mastics, varnishes, film and epoxy resins, self-levelling and various coatings** on abrasive concrete floors. Recommended for levelling and floor preparation on soft and abrasive concrete. Long life.

RLTCK700638HG	TCK - 000
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## ANTIQUE BRUSH

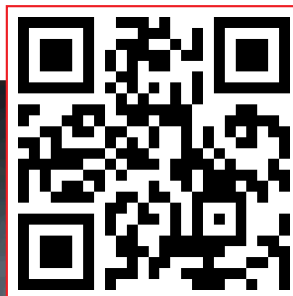
## ANTIQUE BRUSH - 140MM - (5,5")

The Antique Brush are the best way to achieve an antique look on marble floors in a natural and strictly mechanical way without using any chemical products. Do not apply any extra weight to avoid bending the bristles.



HG14009AS	Antique Brush	IRON
HG153036AS	Antique Brush	#36
HG153046AS	Antique Brush	#46
HG153070AS	Antique Brush	#70
HG153120AS	Antique Brush	#120
HG153220AS	Antique Brush	#220
HG153320AS	Antique Brush	#320
HG153500AS	Antique Brush	#500

WATCH THE FULL VIDEO ON YOUTUBE



# TOTAL FLOOR SOLUTION

# LION 430

Video player controls: Play, Stop, Volume, Progress (2:25 / 5:47), Full Screen, Settings, and other standard video controls.



HG HYPER GRINDER S.R.L

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