

SANDING MACHINES AND ACCESSORIES

SCREED, ASPHALT, AND PLASTER SANDING
OLD FLOOR SURFACE REMOVAL

Columbus

The Columbus simply and effectively removes all unwanted subfloor materials

This machine will mill, grind and sand your floor surface while creating a minimum of dust, helping to maintain a healthier working environment.

The strong design and well-built construction of the Columbus ensures long machine life and good reliability.

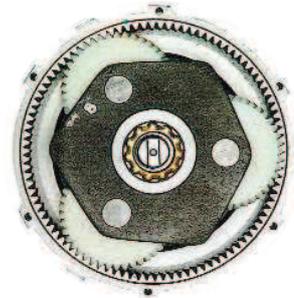
By raising and lowering the lever, the machine glides across the surface in semicircles. All types of plaster, screed, asphalt and adhesive along with small surface irregularities can be removed from the subfloor with ease.

The wide range of sanding plates make the Columbus suitable for all types of floor surfaces. The machine is unsurpassed in saving time and effort, with sanding plates, discs and brushes changeable in seconds.

The 3-gear planetary transmission is designed to cope with the toughest tasks.

Included with Model 135, 145 and 155.

Work in a nearly dust-free environment with the MULTI-VAC dust extraction ring and JANVAC 1600 dust extractor.



Pictured is the Columbus with MULTI-VAC I dust extraction ring and JANVAC 1600-H dust extractor.

Sanding plates and dust extractors are sold separately.

SANDING MACHINES AND ACCESSORIES

Model 135 SH
1200 Watts



230 V 112 455 000

120 V 112 455 600

TECHNICAL SPECIFICATION

Power supply	230V or 120 V
Motor power	1200 Watt (1.5 hp)
Working width	Ø 375 mm (14 3/4")
Speed	140 rpm
Weight	38 kg (84 lbs)

Model 145 SH
1500 Watts



230 V 112 560 000

120 V 112 560 600

TECHNICAL SPECIFICATION

Power supply	230V or 120 V
Motor power	1500 Watt (2.0 hp)
Working width	Ø 375 mm (14 3/4")
Speed	140 rpm
Weight	42 kg (93 lbs)

Model 155 S
2000 Watts



230 V 112 750 000

TECHNICAL SPECIFICATION

Power supply	230V or 120 V
Motor power	2000 Watt (2.5 hp)
Working width	Ø 375 mm (14 3/4")
Speed	140 rpm
Weight	50 kg (110 lbs)

Dust Extraction System MULTI-VAC I

This vacuum system was developed with the latest 2-channel suction system.

When used in combination with a strong vacuum cleaner like the JANVAC, grinding or sanding can be done in a nearly dust-free environment.

Dust Extraction System
MULTI-VAC II for SPEEDTRONIC
see page 16

Dust Extractor JANVAC 1600
with suction pipe
see page 30

Dust Extraction Ring MULTI-VAC I

Fits on Columbus Machines Models
135, 145, 155

CONTENTS:
Dust ring with closure-ring,
velcro straps, 2 suction hoses
and T-adapter

Order No. 113 700 000

Spare Parts for MULTI-VAC I

Velcro Strap 38x1530mm (1 3/8"x 5')

Order No. 113 700 100

Seal with pipe ring and spring

Order No. 113 700 250

Special Equipment

Vacuum Hose Adapter Ø38/50
for connecting to JANVAC 3200/4000

Order No. 115 097 300



Picture shows columbus with dust extraction ring MULTI-VAC I

SANDING MACHINES AND ACCESSORIES

columbus
Speedtronic

SPEEDTRONIC 2200 Watts

Great sanding power with adjustable speed control from 80 to 400 rpm

Work efficiently with ideal sanding pressure, removing adhesives and sanding levelling compounds, concretes and parquet floors.

With the included additional weights, sanding pressure can be varied according to surface.

The machine is also designed for parquet requirements and can be perfectly used for intermediate sanding and fine sanding. The infinitely adjustable speed gives quick sanding results, making the machine very efficient.

The machine can also be effectively used for cleaning and maintenance.

The SPEEDTRONIC 2200 can also be quickly dismantled for easy transport.

TECHNICAL SPECIFICATION

Power Supply	230V
Motor Power	2200 Watt (3hp)
Working Width ca	Ø 375 mm (14 3/4")
Speed	80-400 rpm
Weight	
with additional weights	65 kg (143lbs)
without additional weights	51 kg (112lbs)

Includes additional weights. Sanding discs not included.

Order No. 112 770 000

**Dust Extraction Ring
MULTI-VAC II**

Fits onto SPEEDTRONIC

CONTENTS:
Dust Ring with closure-ring,
velco straps, 2 suction hoses
and T-Adapter

Order No. 113 720 000

Spare Parts for MULTI-VAC II

Sealing Sleeve

Order No. 113 720 090

Distance Sleeve
for use with the star wheel grinding plate

Order No. 113 720 095



Pictured is the SPEEDTRONIC with the MULTI-VAC II dust extraction ring.



Pictured is the SPEEDTRONIC with the MULTI-VAC II dust extraction ring and the JANVAC 1600-H dust extractor.

SANDING MACHINES AND ACCESSORIES

Multi-Disc Shuttle III ®

With 6 Satellites to hold 6 sanding- or grinding plates

Get the maximum power from your sanding machine



The new Multi-Disc Shuttle can be used with 3 or 6 Satellites. (Multi-Scraper always has 6 Satellites)

Reverse direction of satellites with 500 rpm - 4 times the speed of the shuttle

Improved version: ball bearing, steel satellite discs

For Models 135, 145 and 155

Order No. 112 360 900

MULTI-PAD Satellite

for holding velcro sanding discs

Order No. 112 360 100



Spare Replacement Pad

Order No. 112 360 150

Velcro Sanding Paper Ø105 mm (4 1/8") pack of 50

Grit 40 112 359 110

Grit 60 112 359 111

Grit 80 112 359 112

Grit 100 112 359 113

Grit 120 112 359 114

Velcro Sanding Paper Ø105 mm (4 1/8") Premium Quality ZIRCON

Grit 24 pack of 25 112 359 130

Grit 36 pack of 25 112 359 131

Grit 40 pack of 50 112 359 132

Grit 60 pack of 50 112 359 133

Grit 80 pack of 50 112 359 134

Grit 100 pack of 50 112 359 135

Grit 120 pack of 50 112 359 136

Velcro Screen Pad Ø105 mm (4 1/8") pack of 25

Grit 80 112 359 120

Grit 100 112 359 121

Grit 120 112 359 122

Grit 150 112 359 123

Multi-Disc Satellites®

for Multi-Disc-Shuttle II + III

(Six satellites per shuttle required)

MULTI-TITAN Satellite

With hard metal fragments for grinding of hard surfaces

Grit 10 112 360 200

Grit 2 112 360 250



MULTI-STAR Satellite

Created to sand and remove glue, paint and coatings

Order No. 112 360 600

Spare Star-wheels (set of 12 pcs)

Order No. 112 360 650



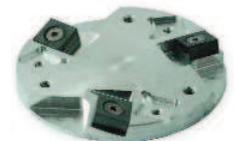
MULTI-SCRAPER Satellite

Designed to remove glue underneath carpets or levelling products.

Order No. 112 360 500

Replacement HM-Insert for Multi-Scraper

Order No. 112 360 510



MULTI-STONE Satellite

Ideal accessory to sand cement foundations. Eliminates brush marks and surplus material.

Order No. 112 360 400



MULTI-DIAMOND Satellite

With diamond segments for sanding and roughening of hard floors

Order No. 112 360 300



Spare Satellites for Multi-Disc Shuttle I (with 5 satellites)

MULTI-PAD Satellite
Order No. 112 359 100

MULTI-TITAN Satellite
Order No. 112 359 200

MULTI-DIAMOND Satellite
Order No. 112 359 300

MULTI-STONE Satellite
Order No. 112 359 400

MULTI-SCRAPER Satellite
Order No. 112 359 500

Replacement Parts HM-Inserts for Scraper
Order No. 112 359 510

SANDING MACHINES AND ACCESSORIES

Grinding Plates for Models 135, 145, 155 and SPEEDTRONIC

Grinding Plate with Felt

For holding sandpaper discs, also suitable for compressing adhesive on PVC/Linoleum type floor coverings.

Distance ring included
 Ø 375 (14 3/4") 112 300 600

Felt Plate
 Ø 375 (14 3/4") 112 300 002

Ø 430 (17") 112 801 002

Spare Parts
 Allan Screw 112 200 003

Hex Driver 112 200 006

Disc Wheel 112 200 004

Distance Ring 112 200 005



Universal Plate

For use with sandpaper discs, sanding gauze discs and abrasive pads.

Distance ring included.
 Ø 375 (14 3/4") 112 334 100

Rubber-coconut disc
 Ø 375 (14 3/4") 112 334 001

Ø 430 (16 3/4") 112 809 001



Grinding Plate with Rubber Surface for holding sandpaper

Ø 375 (14 3/4") 112 306 000

Spare Rubber Plate
 Ø 375 (14 3/4") 112 306 010



Pad Mounting Plate

For mounting of sanding mats and pads to take grinding gauze.

Ø 406 783 000 042

Velcro Top
 Ø 406 (16") 783 000 043

Velcro Top (previous version)
 Ø 375 (14 3/4") 783 000 041

Ø 430 (16 3/4") 112 807 001



Black Pad (for fixing grinding gauze)
 Ø 410 (16") 783 000 015

Abrasive Disc

Thin disc with scattered hard metal fragments welded to the surface. For roughening the surface of anhydrite and screed. Also suitable for levelling surface irregularities.

Ø 375 (14 3/4")
 Grit 14 112 308 000

Grit 24 112 308 024

Grit 36 112 308 036

Ø 400 (15 3/4") non columbus machines
 Grit 14 112 520 000

Grit 24 112 520 024

Ø 430 (16 3/4")
 Grit 14 112 815 000



Columbus DIA-DISC Grinding Plate

The new Columbus DIA-Disc grinding plate with PCD inserts for use with your Columbus Machine

With especially designed high quality diamond grinding segments to increase the capacity and efficiency of your Columbus Machine in terms of subfloor preparation.



Main uses:
 Grinding of screed, removing sinter surfaces (anhydrite), adhesive residues, levelling compounds, thin coatings and painted surfaces

Comes complete with 5 PCD Head Segments
 Order No. 112 381 000

Spare PCD Head Segment for Columbus DIA-DISC Grinding Plate
 Extremely powerful diamond grinding tool for versatile use on subfloors and surfaces
 Order No. 112 381 050



Grinding Plate

With 6 rectangular, replaceable grinding stones 75 x 90 mm (3 x 3 1/2")

For grinding plaster and levelling compound, removing residual paint and gypsum and smoothing slight unevenness
 Ø 375 (14 3/4") 112 332 000



Replacement Stone with tapped hole
 Grit 20 161 515 003

Grinding Plate Grit 16

With 5 truncated, conical stones

For grinding screed, hard plaster, asphalt and concrete. Good grinding rate due to high area edge width of hollow conical stones. Removes unevenness, soft spots, coatings and residual filling plaster.
 Ø 375 (14 3/4") 112 346 000



Replacement Parts
 Grinding Stone, Grit 16 112 346 001

Plate with 6 pot brushes

For removing the metallic layer that builds up between anhydrite and magnesite screed materials. Also for the removal of residual foam backing, plaster splatter, residual paint coatings, adhered underlay, etc.
 Ø 375 (14 3/4") 112 322 000



Replacement Parts
 1 piece 112 321 003

Steel Brush Wire length 45 mm (1 3/4")

For removing foam backing, adhered residual underlay and carpet backing for industrial floor cleaning.
 Ø 375 (14 3/4") 112 319 000



SANDING MACHINES AND ACCESSORIES

Grinding Plates for Models 145SH, 155 and SPEEDTRONIC

Abrazor Diamond Plate

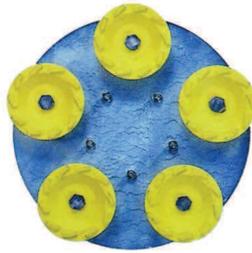
With 5 diamond cups on ball bearings

For superior grinding, sanding and bevelling on hard surfaces like concrete and coated levelling compounds. The 5 diamond cups are stabilized so that they work in unison.

Ø 375 (14 3/4") 112 357 000

Diamond Cup

(1pcs) 112 357 100



Hexa Plate

With 6 diamond segments

For grinding hard surfaces such as concrete or levelling compounds. Larger area coverage makes this plate more effective than other diamond plates, especially when grinding plaster and anhydrite screed.

Ø 375 (14 3/4") 112 353 000

Replacement parts

Diamond segment complete with input unit

1 pcs 112 353 020

Replacement Diamond Segment

1 pcs 112 353 010



Star Wheel Grinding Plate

With 5 rotating heads, each with 20 wheels

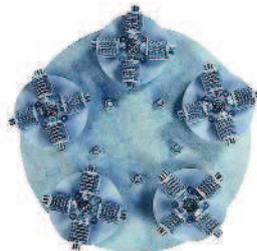
For effective scraping, peeling and removing adhesive and various coatings, as well as thin set and mastic.

Ø 375 (14 3/4") 112 339 000

Replacement parts

Grinding Head, complete 112 339 100

Set of 20 Grinding Wheels 112 339 110



Grinding Plate

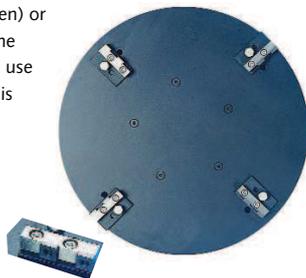
With 8 titanium-coated insets

For removing residual adhesive (also bitumen) or other adhered surface covering material. The hard metal insets can be adjusted to make use of all four cutting edges in turn. Each inset is usable on four sides.

Ø 375 (14 3/4") 112 343 000

Replacement Parts Hardmetal Inset

set of 8 112 343 001



Hexa Plate With 12 Carbide hexapins

Designed with a replaceable, abrasion resistant, four-sided carbide insert for scraping and removing coatings and paints from concrete surfaces.

Ø 375 (14 3/4") 112 355 000

Replacement parts

Carbide Hexpin 112 355 020

Carbide Insert 112 355 050

Pin 112 355 005

Spring 112 354 006



Grinding Plates for SPEEDTRONIC only

QUICK-CHANGE Base Plate

For mounting of QUICK-CHANGE diamond or PCD grinding segments.

(Segments are not included)

Order No. 112 380 000



Through the conical bearing, QUICK-CHANGE segments can be easily pushed into the recess and secured or released with a plastic tip hammer.



Mounting ring for QUICK-CHANGE base plates
For upgrading the PCD grinding plate.

Order No. 112 380 100



QUICK-CHANGE segments

For each plate 5 pieces are required

QUICK-CHANGE diamond segment YELLOW grit 14
Diamond grinding tool for effective sanding of mineral surfaces such as medium hard to hard screed and concrete. Ideal for leveling rough surfaces.

Order No. 112 999 514 further grits see page 25



QUICK-CHANGE PCD segment

Very rugged and strong diamond tool for restoration work. Highly effective grinding capacity without clogging up.

Main uses:
Removing stubborn adhesives, spackling compound, coatings and residues, sanding screed and concrete as well as leveling floors.

Order No. 112 380 010



QUICK-CHANGE PCD head segment

Extremely powerful diamond grinding tool for versatile use on subfloors and surfaces

Main uses:
Sanding screed surfaces and concrete, removing sinter surfaces (i.e. anhydrite), coatings and painted surfaces.

Order No. 112 380 020



further segments see page 25

Hammer Ø 30 mm - recoilless

for careful replacement of the QUICK-CHANGE segments. Avoids damage to the base plate or on the segments.

Order No. 262 469 030



Grinding Plate

with 5 HM castors

Each castor is mounted with a ball bearing and fitted with 30 carbide tips.

For grinding coatings, epoxy and smooth concrete and screed surfaces.

Order No. 112 390 000



Replacement parts

Spare Roll with 30 carbide tips including bolts

Order No. 112 390 100



SANDING MACHINES AND ACCESSORIES



Sandpaper double-sided

Pack of 10 pcs (price per pcs)

Ø 375 (14 3/4") for Mod.135/145/155

Grit 12	112 309 000
Grit 16	112 311 000
Grit 24	112 312 000
Grit 30	112 313 000
Grit 40	112 314 000
Grit 60	112 315 000
Grit 80	112 316 000
Grit 100	112 317 000
Grit 120	112 318 000

Ø 430 (17") for non Columbus machines

Grit 16	112 611 000
Grit 24	112 612 000
Grit 30	112 613 000
Grit 40	112 614 000
Grit 60	112 615 000
Grit 80	112 616 000
Grit 100	112 617 000
Grit 120	112 618 000

Ø 400 (16") for non Columbus machines

Grit 16	112 511 000
Grit 24	112 512 000
Grit 30	112 513 000
Grit 40	112 514 000
Grit 60	112 515 000
Grit 80	112 516 000
Grit 100	112 517 000
Grit 120	112 518 000



Sandpaper double-sided

full plastic, red

Pack of 10 pcs (price per pcs)

Ø 375 (14 3/4") Mod.135/145/155

Grit 12	112 324 000
Grit 16	112 310 000
Grit 24	112 325 000
Grit 30	112 326 000
Grit 40	112 327 000
Grit 60	112 328 000



Grinding Gauze

Pack of 10 pcs (price per pcs)

Ø 410 (16") for Mod.135/145/155

Grit 60	783 000 045
Grit 80	783 000 047
Grit 100	783 000 050
Grit 120	783 000 055
Grit 150	783 000 057
Grit 180	783 000 060
Grit 220	783 000 062
Grit 320	783 000 064



Sanding Mats

Gr. 40 coarse for sanding wood
Gr. 80 medium for "between treatment" sanding
Gr.280 fine for cutting sealed floor surfaces
for Mod.135/145/155

Grit 40	783 000 140
Grit 80	783 000 180
Grit 280	783 000 280



Pads for Columbus Machines

Pad BLACK	For fixing griinding gauze and cleaning
Pad BROWN	For removing stubborn dirt
Pad BLUE	For cleaning
Pad RED	For cleaning and polishing (medium)
Pad GREEN	For cleaning
Pad BEIGE	For oiling
Pad WHITE	For polishing of lino or PVC floors and oiling
Pad GREEN (Micro)	For mirror finish
Sheep wool	For mirror finish

Columbus Mod.125

Polyester Pads Ø 320 (12 1/2") (thick)	Normal-Pads Ø 320 (12 1/2") (thin)
brown 782 000 010	black 782 000 070
red 782 000 030	green 782 000 080
white 782 000 040	beige 782 000 090

Columbus Mod.135/145/155 and SPEEDTRONIC

Polyester Pads Ø 410 (16") (thick)	Normal-Pads Ø 410 (16") (thin)
black 783 000 360	black 783 000 015
brown 783 000 370	brown 783 000 017
blue 783 000 380	green 783 000 016
red 783 000 390	beige 783 000 019
white 783 000 400	white 783 000 018

Thermopad E 430/ Columbus Mod.165

Polyester Pads Ø 430 (16 7/8") (thick)	Normal-Pads Ø 430 (16 7/8") (thin)
brown 112 807 023	black 112 807 015
red 112 807 025	beige 112 807 030
white 112 807 026	
green (microfibre) 112 820 000	
Sheep wool 112 821 000	

SANDING MACHINES AND ACCESSORIES

BS 250 Sanding machine

Sanding machine with \varnothing 250 mm (9 7/8") working width for effective surface preparation of small and medium-size floors

For floor levelling, pre-coat preparation, removal of coating defects or adhesives

SPECIAL FEATURES:

- Single-head grinding machine \varnothing 250 mm (9 7/8")
- Designed for small to medium-size horizontal surfaces
- Can grind right up to the edge
- Dust free when connected to a dust extractor such as JANVAC
- Adjustable grinding depth
- Easy and comfortable to use, no vibrations

Includes 50mm dust extraction connection for JANVAC dust extractor.

Order No. 112 980 000

TECHNICAL SPECIFICATION

Power supply	230 V
Motor power	2200 W (3 hp)
Working Width	250 mm (9 7/8")
Disc speed	1440 U/min
Weight	70 kg (154.3 lbs)



BG 250 E Grinding Machine

Professional subfloor preparation of concrete, plaster, screed and asphalt for small and medium sized surfaces.

For levelling concrete and asphalt, preparing coatings, grinding and removing coatings, paints and old adhesives

SPECIAL FEATURES:

- High quality and performance for professional demands
- Dust-reducing system when used with dust extractors such as JANVAC 3200 and JANVAC 4000
- Special coupling for ideal grinding pressure
- Ready to use and easy to operate
- No vibrations
- No additional manual treatments necessary
- Grinds up to 2 cm to the wall and 10 cm to corners

Delivery complete with two additional weights of 6 kg, without grinding discs

Order No. 112 942 000

TECHNICAL SPECIFICATION

Power Supply	400V, 50 Hz, 16A
Motor Power	5,5 kW (5 1/2 hp)
Speed	2000 rpm
Weight	126 kg (278 lbs)
Working Width	\varnothing 250 mm (9 7/8")
LxWxH	1250 x 500 x 1000 mm (4' 1 1/4" x 1' 7 11/16" x 3' 3 3/8")



Accessories \varnothing 250 mm for BS-250 and BG 250-E

Star Diamond Grinding Plate

Blue hard bond
for soft floors

Order No. 112 942 100

Green medium bond
for varying hard floors

Order No. 112 942 200

Red soft bond
for hard concrete surfaces

Order No. 112 942 300

Black very soft bond
for very hard concrete surfaces

Order No. 112 942 400



PCD-Grinding Plate GOLD
with 12 PCD segments
and 6 spacer

Order No. 112 942 500

PCD Grinding Plate

with 4 exchangeable PCD-inserts
very aggressive tool with high removal performance on
concrete or levelling compounds
great for the removal of coatings, compounds, adhesives
and flooring residues

Order No. 112 980 600

Spare PCD-insert RH

Order No. 112 985 300

PCD Head Plate

equipped with 4 exchangeable PCD split button segments
Allround-tool for great removal results

Order No. 112 980 700



SANDING MACHINES AND ACCESSORIES

TRI-VARO 430
Triple Head Sanding Machine

The adjustable speed of 300-980 rpm makes the TRI-VARO 430 suitable for a wide variety of applications.

The compact design enables optimized handling that makes this machine unique all-around.

This efficient machine with its ergonomic and easy handling is designed for heavy duty and professional use.

MAIN USES:

- Grinding and polishing all types of concrete
- Sanding and levelling compounds
- Removing old adhesives
- Removing paints and coatings
- Sanding parquet and pre-finished parquet

TECHNICAL SPECIFICATION	
Power Supply	230 V
Motor Power	2200 W (3 hp)
Grinding Width	430 mm (16")
Grinding Discs	3 x Ø 178 mm (7")
Speed	300-980 rpm
Total Weight	88 kg (194 lbs)
Weight Motor:	55 kg (121 lbs)
Weight Handle:	33 kg (73 lbs)
Tank capacity	9 L
Cable length	18 m (57 ft)

- comes complete with:
- Suction Hose
 - Water Tank
 - 3 QUICK-CHANGE Base Plates Ø 178 mm (7")
 - 3 Velcro Mounting Plates Ø 178 mm (7")

Order No. 112 998 000



TRI-VARO 500 SE
Triple Head Sanding Machine

The powerful Three-Head Sanding Machine has a flexible speed and 500 mm (19 3/4") working width, making it a top choice for subfloor preparation.

This efficient machine with its ergonomic and easy handling features is designed for heavy duty and professional use.

This single-phase frequency controlled machine can be used for a variety of purposes such as subfloor preparation, grinding and polishing of concrete floors, polishing and sanding of parquet and pre-finished parquet.

MAIN USES:

- Grinding and polishing all types of concrete
- Sanding and levelling compounds
- Removing old adhesives
- Removing paints and coatings
- Sanding parquet and pre-finished parquet

TECHNICAL SPECIFICATION	
Power Supply	230 V
Motor Power	3000 W (4HP)
Grinding Width	510 mm (20")
Grinding Discs	3 x Ø 225 mm (9")
Speed	300-1100 rpm
Weight	162 kg (357 lbs)
Water tank	16 L
Cable length	18 m (57 ft)

- comes complete with:
- Suction Hose
 - Water Tank
 - 3 integrated QUICK-CHANGE Base Plates
 - 3 Velcro Mounting Plates Ø 225 mm (9")

Order No. 112 990 500

Optional Accessories

Additional Weight 22 kg (48.5 lbs)

Order No. 112 990 010



SANDING MACHINES AND ACCESSORIES

TRI-VARO 650 SE Triple Head Sanding Machine

This powerful and versatile machine is suitable for medium and large surface areas.

With its variable speed settings and extensive accessory programme the TRI-VARO 650 is an extremely versatile machine.

The machine's high performance guarantees efficiency and comfortable operation.

MAIN USES:

- Grinding and polishing all types of concrete
- Sanding and levelling compounds
- Removing old adhesives
- Removing paints and coatings

TECHNICAL SPECIFICATION	
Power Supply	400V/50Hz
Motor Power	7,5 kW (10 HP)
Grinding width	655 mm (25")
Grinding disc - Ø	3 x 225 mm (9")
Speed	300-1100 rpm
Weight	225 kg (553 lbs)
Additional Weight	2x 29 kg (2 x 64 lbs)
Water tank	16 L
Cable length	18 m (57 ft)
Order No.	112 991 500

Optional Accessories

Additional Weight 29 kg (64 lbs)

Order No. 112 991 915

comes complete with:

- Suction Hose
- Water Tank
- 3 integrated QUICK-CHANGE Base Plates
- 3 Velcro Mounting Plates Ø 225 mm (9")



TRI-VARO 760 SE Triple Head Sanding Machine

The TRI-VARO 760 SE offers forced belt-driven planetary movement and floating tool heads.

The power and weight of the machine in combination with the three 335 mm (13.5") tool discs offers high performance even on continuous operation.

Main Applications:

- Removal of coatings, compounds and adhesive residue
- Grinding of concrete or compounds for subfloor-prep before coating
- Sanding and polishing of concrete and compound design floorings
- Levelling in renovation areas

TECHNICAL SPECIFICATION	
Power Supply	400V/50Hz
Motor Power	11,0 kW (15 HP)
Grinding width	765 mm (30")
Grinding disc - Ø	3 x 335 mm (13.5")
Speed	300-1100 rpm
Weight	301 kg (664 lbs)
Additional Weight	2x 29 kg (2 x 64 lbs)
Water tank	20 L
Cable length	18 m (57 ft)
Order No.	112 994 500

Optional Accessories

Additional Weight 29 kg (64 lbs)

Order No. 112 991 915

comes complete with:

- Suction Hose
- Water Tank
- 3 integrated QUICK-CHANGE Base Plates
- 3 Velcro Mounting Plates Ø 335 mm (13 1/2")



SANDING MACHINES AND ACCESSORIES

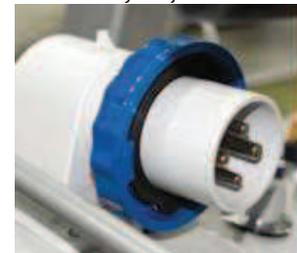
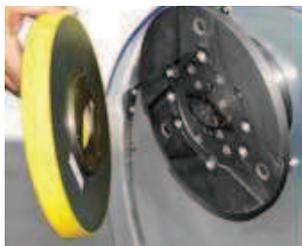
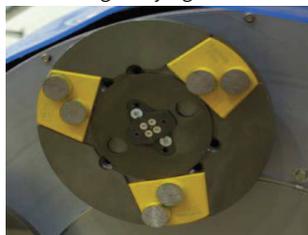
Special Features of the new SE-Series TRI-VARO 500 SE - 650 SE - 760 SE

All LAVINA SE machines have forced belt-driven planetary movement and new floating heads with QUICK-CHANGE tools, allowing tools to be mounted directly onto the heads, with no additional plates necessary! (Velcro heads will still be required for attaching Velcro-backed tools.)

New security plate locks also add an extra measure of safety, preventing QC tools and heads from falling or flying.

Velcro heads are mounted directly onto the base plate.

A new power cable attachment connects to the top of the machine near the handle, allowing the operator to easily remove the plug and cable when work is complete, for added security on job sites.



Machines feature a completely new non-clogging water spraying system, including a pump, which allows the operator to choose between internal spraying or spraying directly in front of the machine.

Machines are equipped with an upgraded belt tensioner, a belt inspection cover, and a new belt replacing tool.



Special Features TRI-VARO 430

- Extensive accessory programme
- Various PCD insets for renovation
- Metal and plastic coated diamond tools
- Widia split plate
- Star wheel grinding plate
- Velcro plate for use on parquet flooring

By changing the turning direction the tools can be used very efficiently.



Special Features TRI-VARO 650 SE+760 SE

The base of the machines now feature NEW, EXCLUSIVE U-JOINT TECHNOLOGY - an additional axis, which provides the machine with added flexibility, allowing the entire base to move and "float" in any direction over the floor.



Technical Specifications at a glance

	TRI-VARO 430	TRI-VARO 500 SE	TRI-VARO 650 SE	TRI-VARO 760 SE
Power Supply	230 V	230 V	400V/50Hz	400V/50Hz
Motor Power	2200 W	3000 W	7500 W	11000 W
Grinding Width	430 mm	510 mm	655 mm	765 mm
Grinding Discs-Ø	3 x 178 mm	3 x 225 mm	3 x 225 mm	3 x 335 mm
Speed	300-980 rpm	300-1100 rpm	300-1100 rpm	300-1100 rpm
Total Weight	88 kg	162 kg	251 kg	301 kg
Additional Weight	-	1 x 22 kg	2 x 29 kg	2 x 29 kg
Tank capacity	9 L	20 L	20 L	20 L
Cable length	18 m	18 m	18 m	18 m
Halogen Lamp	-	yes	yes	yes
Dimensions				
Length	1160 mm	1350 mm	1575 mm	1930 mm
Width	430 mm	540 mm	690 mm	805 mm
Height	1070 mm	1100 mm	1170 mm	1200 mm
Order No.	112 998 000	112 990 500	112 991 500	112 994 500

SANDING MACHINES AND ACCESSORIES

QUICK-CHANGE-Segments for rehabilitation

QUICK-CHANGE PCD Segments

Very rugged and strong diamond tool for restoration work. Highly effective grinding capacity without clogging up.

Main uses:

Removing stubborn adhesives, spackling compound, coatings and residues, sanding screed and concrete as well as leveling floors.

QUICK-CHANGE PCD Segment single-row with carbide web

Order No. 112 380 010



QUICK-CHANGE PCD Segment double-row with carbide web

Order No. 112 380 030



QUICK-CHANGE PCD Segment double-row without carbide web

Order No. 112 380 040



QUICK-CHANGE PCD Segment DUO

Heavy duty tool with special PCD base and an extra PCD-Split stability bar

Order No. 112 380 060



QUICK-CHANGE PCD head segment

Extremely powerful diamond grinding tool for versatile use on subfloors and surfaces

Main uses:

Sanding screed surfaces and concrete, removing sinter surfaces (i.e. anhydrite), coatings and painted surfaces.

Order No. 112 380 020



Accessories for surface treatment

Velcro Grinding Discs CALIBRA Ø 76 mm (3")

composed of a special hybrid ceramic bond designed for hard concrete for wet and dry application

for each treatment 9 (3x3) segments are required.

Grit 30 112 990 263

Grit 50 112 990 265

Grit 100 112 990 266

Grit 200 112 990 267



QUICK-CHANGE Segments

QUICK-CHANGE diamond segments with one diamond head

YELLOW for sanding soft surfaces



Grit 6 112 999 506

Grit 14 112 999 514

Grit 30 112 999 530

Grit 50 112 999 550

Grit 70 112 999 570

Grit 120 112 999 520

GREY for sanding medium and hard surfaces



Grit 6 112 999 606

Grit 14 112 999 614

Grit 30 112 999 630

Grit 50 112 999 650

Grit 70 112 999 670

Grit 120 112 999 620

RED for sanding very hard surfaces



Grit 30 112 999 753

Grit 50 112 999 755

Grit 70 112 999 757

Grit 120 112 999 758

GOLD for sanding extremely hard surfaces



Grit 30 112 999 853

Grit 50 112 999 855

Grit 70 112 999 857

Grit 120 112 999 858

QUICK-CHANGE diamond segments with two diamond heads

YELLOW for sanding soft surfaces



Grit 6 112 999 306

Grit 14 112 999 314

Grit 30 112 999 330

Grit 50 112 999 350

Grit 70 112 999 370

Grit 120 112 999 320

GREY for sanding medium and hard surfaces



Grit 6 112 999 406

Grit 14 112 999 414

Grit 30 112 999 430

Grit 50 112 999 450

Grit 70 112 999 470

Grit 120 112 999 420

RED for sanding very hard surfaces



Grit 30 112 999 733

Grit 50 112 999 735

Grit 70 112 999 737

Grit 120 112 999 738

QUICK-CHANGE Tool Holder



Provides a solution for bolting QUICK-CHANGE tooling onto other manufacturers' plates and machines

Order No. 112 999 210

SANDING MACHINES AND ACCESSORIES

Accessories for

TRI-VARO 430

TRI-VARO 500/650

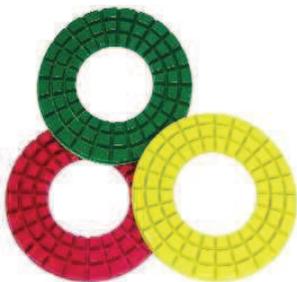
TRI-VARO 760



Diamond Velcro Disc for fine grinding

Diamond velcro disc for fine sanding of natural stone surfaces such as marble inter alia. For mounting onto the Velcro disc. (3 discs needed per machine)

TRI-VARO 430	Ø 178 mm (7")	TRI-VARO 500/650	Ø 230 mm (9")
Grit 50	112 996 005	Grit 50	112 990 305
Grit 70	112 996 007	Grit 70	112 990 307
Grit 120	112 996 012	Grit 120	112 990 312
Grit 220	112 996 014	Grit 220	112 990 322
Grit 400	112 996 016	Grit 400	112 990 324
Grit 600	112 996 018	Grit 600	112 990 326



Diamond Velcro Sanding Ring for Polishing

resin-bond diamond pads with velcro backing for polishing of concrete surfaces - wet and dry application. For mounting onto the Velcro disc.

(3 rings needed per machine)

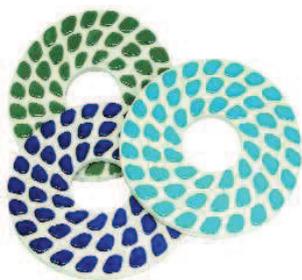
TRI-VARO 430	Ø 178 mm (7")	TRI-VARO 500/650	Ø 230 mm (9")
Grit 50	112 998 580	Grit 30	112 991 510
Grit 100	112 998 590	Grit 50	112 991 520
Grit 200	112 998 510	Grit 100	112 991 530
Grit 400	112 998 520	Grit 200	112 991 540
Grit 600	112 998 530	Grit 400	112 991 550
Grit 800	112 998 540	Grit 600	112 991 560
Grit 1500	112 998 550	Grit 800	112 991 570
Grit 3000	112 998 560	Grit 1500	112 991 580
		Grit 3000	112 991 590

Resin bond diamond segment for polishing concrete floors

for each treatment 9 (3x3) segments are required.



TRI-VARO 760	Ø 81 mm (3")
Grit 50	112 995 905
Grit 100	112 995 900
Grit 200	112 995 915
Grit 400	112 995 910
Grit 600	112 995 925
Grit 800	112 995 930
Grit 1500	112 995 920
Grit 3000	112 995 935



Premium Polishing Pads V-HARR for polishing and cleaning

featuring a special combination of felt, resin and diamonds for a premium shine. Also ideal for terrazzo and hard stone floors Dry use is strongly recommended. For mounting onto the Velcro disc.(3 rings needed per machine)

TRI-VARO 430	Ø 178 mm (7")	TRI-VARO 500/650	Ø 230 mm (9")	TRI-VARO 760	Ø 333 mm (13.5")
Grit 50	112 996 134	Grit 50	112 990 134	Grit 50	112 994 134
Grit 120	112 996 135	Grit 120	112 990 135	Grit 120	112 994 135
Grit 220	112 996 136	Grit 220	112 990 136	Grit 220	112 994 136
Grit 400	112 996 137	Grit 400	112 990 137	Grit 400	112 994 137
Grit 600	112 996 138	Grit 600	112 990 138	Grit 600	112 994 138
Grit 800	112 996 130	Grit 800	112 990 130	Grit 800	112 994 130
Grit 1800	112 996 131	Grit 1800	112 990 131	Grit 1800	112 994 131
Grit 3500	112 996 132	Grit 3500	112 990 132	Grit 3500	112 994 132
Grit 8500	112 996 133	Grit 8500	112 990 133	Grit 8500	112 994 133

SANDING MACHINES AND ACCESSORIES

Accessories for previous new SE-Series TRI-VARO 500 SE /650 SE/760 SE (3 discs needed per machine)



Mounting Plate
for velcro sanding discs

Ø 230 mm (9 1/16") - SE -
for TRI-VARO 500SE /650 SE

Order No. 112 995 350

Ø 335 mm (13 3/16") - SE-
for TRI-VARO 760 SE

Order No. 112 994 350

Accessories for previous models TRI-VARO 430/500/650/760 (3 discs needed per machine)



QUICK-CHANGE base plate
(without QUICK-CHANGE segments)

Ø 178 mm (7") for TRI-VARO 430

Order No. 112 999 300

Ø 230 mm (9") for TRI-VARO 500/650

Order No. 112 999 500

Ø 343 mm (13.5") for TRI-VARO 760

Order No. 112 999 700



Mounting Plate
for velcro sanding discs

Ø 178 mm (7") for TRI-VARO 430

Order No. 112 998 300

Ø 230 mm (9") for TRI-VARO 500/650

Order No. 112 995 300

Ø 343 mm (13.5") for TRI-VARO 760

Order No. 112 994 300

Widia Grit Plate with exchangeable Widia-ring

Removal of coatings, varnish & paint as well as residual adhesive and residual floorcovering. Roughening of industrial floors.



Ø 178 mm (7") for TRI-VARO 430

Grit 14 112 998 450

Grit 24 112 998 460

Ø 230 mm (9") for TRI-VARO 500/650

Grit 14 112 995 450

Grit 24 112 995 460



Spare Widia-Ring

Grit 14 112 998 455

Grit 24 112 998 465

Spare Widia-Ring

Grit 14 112 995 455

Grit 24 112 995 465



PCD-Grinding Plate
With 6 PCD-Inserts

Ø 178 mm (7") for TRI-VARO 430

Order No. 112 998 500

Ø 230 mm (9") for TRI-VARO 500/650

Order No. 112 999 900



Hammer Ø 30 mm - recoilless

For careful replacement of the QUICK-CHANGE segments.
Avoids damage to the base plate or segments.

Order No. 262 469 030

FLOOR COVERING REMOVAL MACHINES

Hand Grinder HF 125

This compact, powerful machine grinds right up to the edge.

A nearly dust-free operation is guaranteed when connected to the JANVAC industrial dust extractor. (Suction hose included.)



TECHNICAL SPECIFICATION	
Power supply	230 V
Power input	1400 W (1.9HP)
Speed	variable 2100-7500 rpm
Working width	125 mm (4 7/8")
Weight	3.6 kg (7.9 lbs)

Complete with:
 - Container
 - Suction casing
 - Suction hose 3.5m (11") (without sanding disc)

Order No. 114 200 000

Accessories

Diamond Disc

Available in three different strengths for optimum adaptation to the processing material.



Diamond disc - coarse
 Order No. 112 992 100

Diamond disc - medium
 Order No. 112 992 200

Diamond disc - fine
 Order No. 112 992 300

Diamond Velcro Discs Ø 125 mm (4 7/8")

for grinding of mineral surfaces



Grit 50 112 992 405

Grit 70 112 992 407

Grit 120 112 992 412

Grit 220 112 992 422

Grit 400 112 992 440

Grit 600 112 992 460

Velcro Polishing Discs Ø 125 mm (4 7/8")

Resin bond



Grit 50 112 999 100

Grit 120 112 999 110

Grit 220 112 999 120

Grit 400 112 999 130

Grit 600 112 999 135

Grit 800 112 999 140

Grit 1800 112 999 150

Grit 3500 112 999 160

Grit 8500 112 999 170

PCD Head Disc

With 6 PCD Split Buttons this disc is far more powerful than regular diamond discs.

Leaves smooth and even grinding results.



PCD Head Disc
 Order No. 112 992 400

PCD Sanding Disc

Especially suited for the removal of coatings, bitumen and residue-materials that normally clog up diamond discs.



PCD sanding disc
 Order No. 112 965 401

Rubber velcro disc



Order No. 112 999 200

Velcro Sanding Discs see page 113

Hand Held Grinder HF 150 P

For accessing areas that are difficult to reach such as doorways and perimeters

Suitable for removing:

- Irregularities complete with dust extraction
- Residual adhesive housing with diamond studded disc
- Markings, especially epoxy with or without quartz content
- Laitance from anhydrite screed

Cover can be removed to ensure easy access to edges.

With suction port for dust extractors (see pages 30 and 31)



TECHNICAL SPECIFICATION	
Power Supply	230 V or 120 V
Motor Power	2000 Watt (2.5HP)
Speed	6500 rpm
Grinding Plate -Ø	125 mm (4 7/8")
Weight without case	8 kg (17.6 lbs)
Weight with case	14 kg (30.9 lbs)

Complete with case and dust extraction cover (extraction hose and sanding disc not included)

Order No. 114 106 000

Spare / Optional Accessories



Diamond grinding plate
 Order No. 114 101 000



Diamond grinding plate RAPTOR Ø 125 mm (5")
 Effective grinding with angled and self sharpening diamond segments.
 Removes tough coatings on concrete (acrylic resin paint, latex, epoxy resin, epoxy with sand, bitumen).

Order No. 114 103 000



PCD Head Disc
 This new PCD Head Disc can be used on the HF-150 P (with clear plastic dust-cowl) as well as on the HF-150 (with metal dust-cowl)

The height of both dust-cowls can be adjusted for best possible dust collection.

Order No. 114 101 200

FLOOR COVERING REMOVAL MACHINES

Hand Grinder HF180 Caddy

The solution for grinding and polishing edges, corners, stairs or small areas

The castors are designed to be adjusted very quickly up to stair heights of 22 cm by operating the quick release handles. No additional tools are needed.

An integrated spirit level which is mounted on the guide plate ensures that the CADDY always works perfectly horizontal.



TECHNICAL SPECIFICATION	
Power Supply	230 V
Motor Power	1,5 kW
Speed, variable	800-2400 rpm
Working Width	180 mm (7")
Weight	approx. 11 kg

Comes in a carrying case with suction casing, castors with spirit level, QUICK-CHANGE guide plate (grinding inserts and foam plate are not included)

Order No. 114 036 000

Accessories for HF 180 Caddy:

QUICK-CHANGE

Base Plate
Ø 178 mm (7")



QUICK-CHANGE
Segments
Grit 50, 70, 120



see page 25

Mounting Plate
for velcro
sanding discs



Ø 178 mm (7")

Order No. 112 998 300

Sanding Discs Ø 178 mm (7")
see page 113/114

MULTI-MASTER Handheld Sanding Machine For corners and edges

When working on stone floors, the MULTI-MASTER is an ideal complement for your sanding machine.

It is particularly efficient in sanding corners, edges and hard-to-reach areas.



HM sanding plate (triangular)

Shaped, carbide metal coating on both sides



Order No. 444 211 000

Sanding Disc Set
non-perforated
(2pcs)



Order No. 444 200 001

Velcro Diamond
Polishing Paper
triangular shape



Grit 400 444 372 040

Grit 600 444 372 060

Grit 1800 444 372 180

Grit 3500 444 372 350

Velcro Diamond
Sanding Paper
triangular shape



Grit 46 444 371 046

Grit 50 444 371 050

Grit 70 444 371 070

Grit 120 444 371 120

Grit 220 444 371 220

Grit 400 444 371 400

Grit 600 444 371 600

QUICK START Version

FEIN Multi-Master FMM 250 Q
in carrying case complete with
1 sanding plate, non-perforated
5 sanding pads each grit 60/80/120/180
1 Universal E-Cut Saw blade (44 mm)
1 HSS segment cutting blade
1 solid spatula

Order No. 444 386 000

TECHNICAL SPECIFICATION

Power Supply	230 V
Motor Power	250 Watt (0.34 hp)
Vibration of disc	11,000-21,000 / min.
Weight	1.1 kg (2.4lbs)
Sanding Disc	80 mm (3 1/4")