

Subfloor Treatment

Grinding Machines

The Columbus!

Single disc machines for daily use in subfloor treatment

Picture shows Columbus Mod. 145 SH with Dust Extraction System MULTI-VAC III and Dust Extractor JANVAC 1600-H Power

Dust Extractor JANVAC 1600-H Power with suction pipe see page 47



Mod. 135 SH

1200 Watt



Technical Specification

Power supply	230 V 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)

230 V	112 455 000
120 V	112 455 600

Mod. 145 SH

1500 Watt



Technical Specification

Power supply	230 V 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)

230 V	112 560 000
120 V	112 560 600

Mod. 155 S

2000 Watt



Technical Specification

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

230 V	112 750 000
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Grinding screeds and plaster

Removing old glue layers and residue

Cleaning and maintaining floors

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.

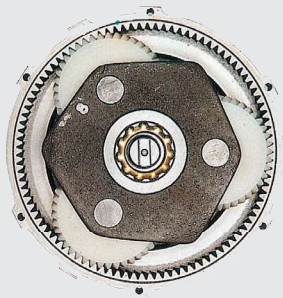
By raising and lowering the lever, the machine glides across the surface in semicircles. All types of plaster, screed, asphalt and adhesive along with small surface irregularities can be removed from the subfloor with ease.

The wide range of grinding 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.

Grinding plates and dust extractors are sold separately.



Dust Extraction System MULTI-VAC I

Fits on Columbus models 135, 145, 155 loose installation



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

Optional Accessories

Vacuum Hose Adapter Ø38/50
for connecting to JANVAC 3200/4000
Order no. 115 097 300

Dust Extraction System MULTI-VAC II

Fits on SPEEDTRONIC and Columbus models 135, 145, 155 fix installation

Can remain fixed on the machine after initial installation.



Contents:
Dust ring with closure-ring,
sealing sleeve, 2 suction hoses
and Y-adapter

Order no. 113 720 000

Spare Parts for MULTI-VAC II

Sealing sleeve height 115 mm
Order no. 113 720 090

Dust Extraction System MULTI-VAC III

Fits on Columbus models 135, 145, 155 fix installation

Can remain fixed on the machine after initial installation.



Contents:
Dust ring with closure-ring,
Kevlar sealing sleeve, 2 suction hoses
and Y-adapter

Order no. 113 722 000

Spare Parts for MULTI-VAC II

Kevlar sealing sleeve
Can also be used on the MUTLI-VAC II if instead of the felt sleeve a more flexible sleeve is desired.

Order no. 112 880 050

Subfloor Treatment

Grinding Machines

Grinding Plates for Models 135, 145, 155 & SPEEDTRONIC



Grinding Plate with Felt

For holding sandpaper discs.

Ø 375 (14 3/4") for Mod.135/145/155

Standard	112 300 001
Distance ring included	112 300 600

Spare Parts

Felt Plate Ø 375 (14 3/4")	112 300 002
Felt Plate Ø 430 (16 7/8")	112 801 002
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.

Ø 375 (14 3/4") for Mod.135/145/155

Standard	112 334 000
Distance ring included	112 334 100

Spare Parts

Rubber-coconut disc	
Ø 375 (14 3/4")	112 334 001
Ø 430 (16 7/8")	112 809 001



Grinding Plate with Rubber Surface

For holding sandpaper.

Ø 375 (14 3/4") for Mod.135/145/155

Standard	112 306 000
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Spare Parts

Rubber plate	
Ø 375 (14 3/4")	112 306 010
Ø 430 (16 7/8")	112 306 015
Strain Washer	112 306 005



Sandpaper double-sided

Ø 375 (14 3/4") for Mod.135/145/155

	Pack of 10 pcs (price per pcs)
Grit 12	112 309 000
Grit 16	112 311 000
Grit 24	112 312 000
Grit 30	112 313 000
Grit 36	112 303 000
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



Sandpaper double-sided

Ø 400 (16") for non Columbus machines

	Pack of 10 pcs (price per pcs)
Grit 16	112 511 000
Grit 24	112 512 000
Grit 30	112 513 000
Grit 36	112 503 000
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

Ø 430 (16 7/8") for non Columbus machines

	Pack of 10 pcs (price per pcs)
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



Abrasive Disc

With scattered hard metal fragments.

Ø 375 (14 3/4")

Grit 14	112 308 000
Grit 24	112 308 024
Grit 36	112 308 036

Ø 400 (16") for non Columbus machines

Grit 14	112 520 000
Grit 24	112 520 024
Grit 36	112 520 036

Ø 430 (16 7/8") Mod. 165

Grit 14	112 815 000
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Sandpaper double-sided

Synthetic resin, red.

Ø 375 (14 3/4") for Mod.135/145/155

	Pack of 10 pcs (price per pcs)
Grit 16	112 310 000
Grit 24	112 325 000
Grit 30	112 326 000
Grit 40	112 327 000



Pad Mounting Plate

For mounting of sanding mats, pads and grinding gauze.

Ø 406 (16") für Mod.135/145/155

Standard	783 000 042
Distance ring included	783 000 440

Spare Parts

Velcro Top	
Ø 406 (16")	783 000 043
Ø 365 (14 1/2") previous	783 000 041



Sanding Mats

- Gr. 40 coarse for sanding wood
- Gr. 80 medium for „between treatment“ sanding
- Gr.280 fine for cutting sealed floor surfaces

Ø 410 (16 1/8“) for Mod.135/145/155

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



Grinding Gauze

Ø 410 (16 1/8“) for Mod.135/145/155

	Pack of 10 pcs (price per pcs)
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



Pad special

The sanding pad „with the bite“!

Especially suited for parquet intermediate sanding and for removing oil and wax residues.

Ø 410 (16 1/8“) for Mod.135/145/155

	Pack of 10 pcs (price per pcs)
anthracite	783 000 022

Application - Pads for Columbus Sanding Machines

Pad black for fixing grinding 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 and oiling

Pad special for oiling and polishing

Pad GREEN (Micro) for mirror finish

Sheep's wool for mirror finish

Felt pad for oiling and polishing



Columbus Mod. 135/145/155 + Speedtronic

Polyester Pads Ø 410 (16 1/8“) height 20 mm (3/4“)

	Pack of 5 pcs (price per pcs)
black	783 000 360
brown	783 000 370
green	783 000 350
blue	783 000 380
red	783 000 390
white	783 000 400

Normal-Pads Ø 410 (16 1/8“) height 10 mm (3/8“)

	Pack of 10 pcs (price per pcs)
black-special	783 000 013
black	783 000 015
green	783 000 016
beige	783 000 019
white	783 000 018

Columbus Mod. 125

Polyester Pads Ø330 height 20 mm (3/4“)

	Pack of 5 pcs (price per pcs)
brown	782 000 010
red	782 000 030
white	782 000 040

Normal-Pads Ø 330 (13“) height 10 mm (3/8“)

	Pack of 10 pcs (price per pcs)
black	782 000 070
green	782 000 080
beige	782 000 090

Thermopad E 430 /E4 + Columbus Mod 165

Polyester pads Ø 410 (16 1/8“) height 20 mm (3/4“)

	Pack of 5 pcs (price per pcs)
brown	112 807 023
red	112 807 025
white	112 807 026

Normal pads Ø 430 (16 7/8“) height 10 mm (3/8“)

	Pack of 10 pcs (price per pcs)
black	112 807 015
beige	112 807 030

Microfiber Ø 430 (16 7/8“)

	Pack of 5 pcs (price per pcs)
green	112 820 000

Sheep's wool Ø 410 (16 1/8“)

	Pack of 10 pcs (price per pcs)
beige	112 821 000

Felt pad Ø 410 (16 1/8“)

	Pack of 10 pcs (price per pcs)
grey	112 826 000

Subfloor Treatment

Grinding Machines

Grinding Plates for Models 135, 145, 155 & SPEEDTRONIC



Grinding Plate

With 6 rectangular, replaceable grinding stones 75 x 90 mm (3 x 3½") for grinding plaster and levelling compound, removing residual paint and gypsum and smoothing slight unevenness.

Ø 375 (14 ¾")

112 332 000

Spare Parts

Grinding stone Grit 20 with tapped hole

161 515 003



Grinding Plate

With 5 truncated, conical stones Grit 16 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 ¾")

112 346 000

Spare Parts

Grinding Stone, Grit 16

112 346 001



Pot Brush 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.

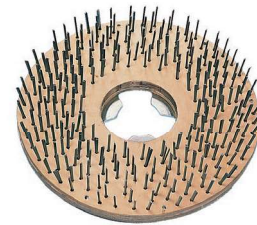
Ø 375 (14 ¾")

112 322 000

Spare Parts

Pot brush (1 pc)

112 321 003



Steel Brush

Wire length 45 mm (1¾") for removing foam backing, adhered residual underlay and carpet backing. For industrial floor cleaning.

Ø 375 (14 ¾")

112 319 000



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 415 (16 ¼")

112 339 000

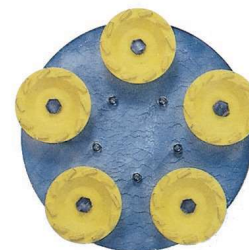
Spare Parts

Grinding Head, complete

112 339 100

Set of 20 Grinding Wheels

112 339 110



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 415 (16 ¼")

112 357 000

Spare Parts

Diamond cup (1 pc)

112 357 100

Grinding Plates for Models 145, 155 & SPEEDTRONIC



DIA-DISC Plate Gold

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

Complete with 5 PCD split segments.

Order no. 112 381 300

Spare Parts

PCD split diamond segment
Gold



112 382 100



Hexa Diamond Grinding Plate

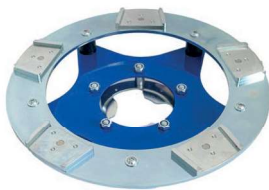
With 6 diamond segments for grinding hard surfaces such as concrete or levelling compounds. Larger area coverage makes this plate more effective than other diamond plates, especially when grinding plaster and anhydrite screed.

Ø 375 (14 3/4") 112 353 500

Spare Parts

Diamond segment complete with input unit (1 pc) 112 353 020

Diamond segment(1 pc) 112 353 010



Quick Change DIA-DISC base plate

With 5 QUICK-CHANGE adapter plates for using QUICK-CHANGE grinding segments. (not suitable for QUICK-CHANGE milling segments)

Order no. 112 381 400

[QUICK CHANGE Segments see page 32-34](#)



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") 112 355 300

Spare Parts

Carbide hexapin 112 355 020

Carbide insert 112 355 050

Pin 112 355 005

Spring 112 354 006



DIA-DISC Plate PCD Knob

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

Complete with 5 PCD Head Segments red.

Order no. 112 381 000

Spare Parts

PCD Head Segment red 112 381 050



Diamond Sanding Segment Grit 30 - grey 112 381 070



Diamond Sanding Segment Grit 30 - yellow 112 381 080



Base plate without segments
Order no. 112 381 100