

SINGLE DISC MACHINES.

140 TO 1600 RPM



**columbus**

# ROBUST BUILT. FOR POWERFUL PERFORMANCE. AND WE HAVEN'T JUST STARTED TODAY.

- ❶ Robust single-disc machines 'Made in Germany' – for over 70 years. For daily, long-term use.
- ❷ Low speed machines up to 300 rpm are equipped with a planetary gear set with three planet gears.
- ❸ The configuration of the maintenance free planetary gear and the powerful motor is the ideal pair guaranteeing consistently high performance.
- ❹ Three non-wearing, helical cut planet gears spread the power evenly across the entire working width, which allows for quiet running and easy control of the machine.
- ❺ A belt drive ensures low running noise in machines with high motor speeds of up to 1600 rpm.
- ❻ Work safely and with less operator fatigue: includes continuously variable handle grip and a safety button to prevent accidental operation.
- ❼ The body casings are made from either metal or out of shatter-proof plastic.
- ❽ Large operating range as standard: 12-metre waterproof and kink-proof mains cable.
- ❾ Flat construction to fit under radiators, pipes and shelves.
- ❿ The rubber bumper ring protects both the machine and the working environment.
- ⓫ Various accessories available depending on use: tank, sprayer, suction unit with ring for dust-free operation and additional weights for increased surface pressure.





LOW SPEED. PROS WITH PLANETARY GEAR SET.  
FOR ANY OBJECT, FOR ANY APPLICATION.

**E 400ls**  
**bionic**  
**E 500le**  
**E 500ls**



#### **E 400ls**

- Versatile, tried-and-tested classic machine for stripping, sanding, cleaning, shampooing and buffing – with 400-millimetre working width for use on small and medium-sized surfaces.
- The water supply is conveniently controlled via the handle bar.

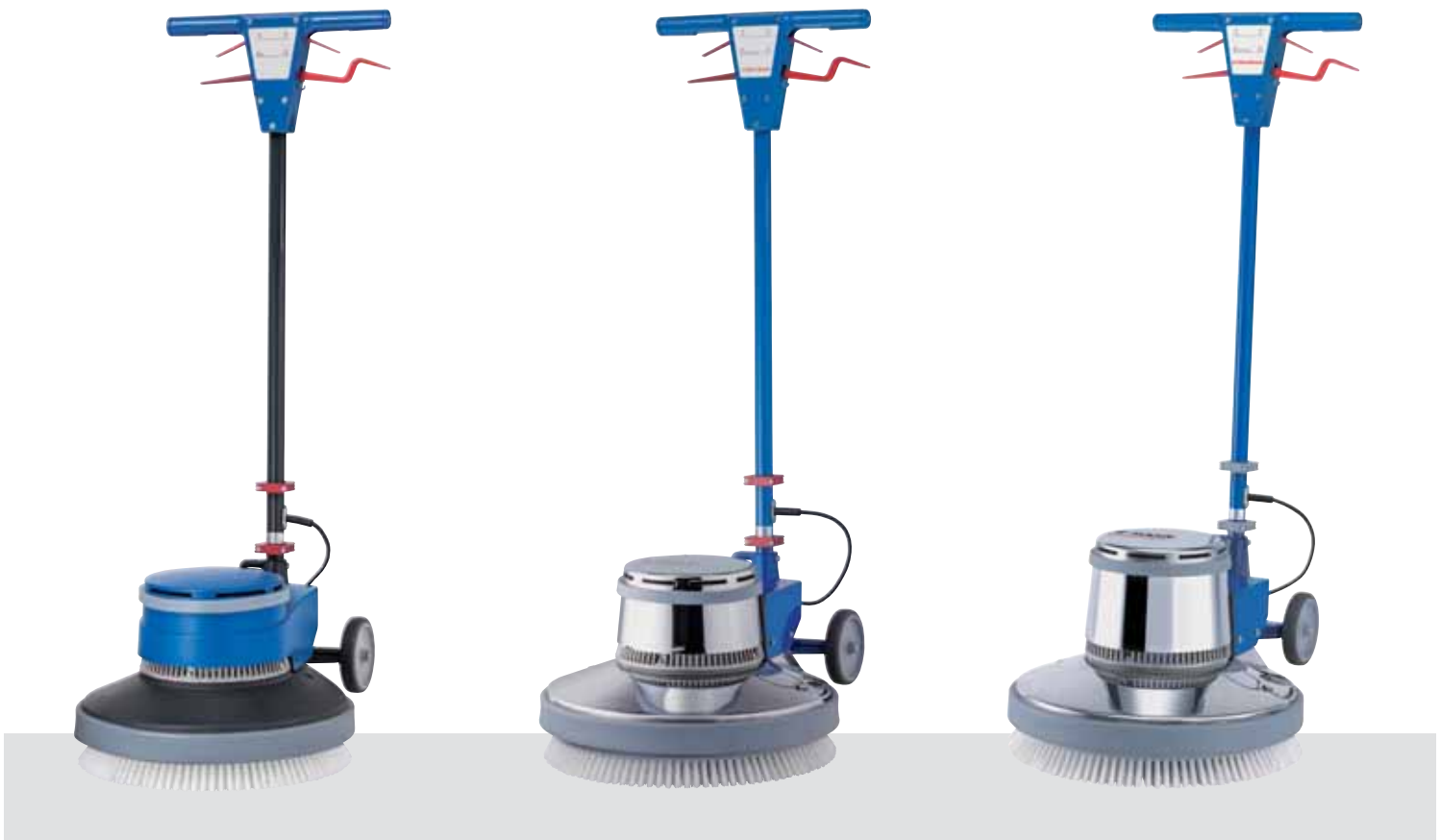
	<b>E 400s</b>	<b>bionic</b>	<b>E 500E</b>	<b>E 500s</b>
L x W x H	415 x 550 x 1200 mm	445 x 570 x 1170 mm	480 x 630 x 1215 mm	480 x 630 x 1215 mm
Working width	400 mm	430 mm	500 mm	500 mm
Ground clearance max.	145 mm	145 mm	145 mm	150 mm
Working height max.	300 mm	300 mm	305 mm	345 mm
Noise level	57 dB(A)	57 dB(A)	63 dB(A)	63 dB(A)
Weight	40 kg	40 kg	42 kg	50 kg

#### ELECTRICAL DATA

Rated voltage	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz
Power total	1200 W	1200 W	1200 W	1800 W
Mains cable	12 m	12 m	12 m	12 m

#### BRUSHES AND PAD HOLDERS

Speed	140 rpm	140 rpm	140 rpm	140 rpm
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#### **bionic**

- Efficient stripping, cleaning and shampooing – with 430-millimetre working width and pads in international standard 17-inch format.
- The shatter proof plastic casing protects furniture and fragile objects.

#### **E 500E**

- With 1200-watt performance, weight of 42-kilogram and a 500-millimetre working width, this is the right machine for large surfaces and demanding tasks such as crystallization of stone flooring or stripping of any other hard flooring.

#### **E 500s**

- With 1800 watts of power and a weight of 50 kilograms, this single-disc machine quickly completes work on large surfaces – be it stripping, crystallization, sanding parquet flooring or descaling hard floor surfaces at industrial sites.

# THE ALL-ROUNDER.

## Duo Speed HS 403



- Duo Speed**
- Two performance classes in one machine – all at the push of a button: 150 rpm at 1300 watts or 300 rpm at 1800 watts.
  - For stripping of hard floors, intermediate cleaning of textile floors, light polishing work, spray cleaning and polishing of floor coatings.
  - The maintenance-free planetary gear with three planet gears transfers the power optimally across the entire working width.

### HS 403

- This machine – with a high-torque, centrally mounted motor – is ideal for economical spray cleaning and polishing in buildings with various surfaces.



	Duo Speed	HS 403
L x W x H	415 x 550 x 1200 mm	415 x 550 x 1200 mm
Working width	400 mm	400 mm
Ground clearance max.	145*/165** mm	160 mm
Working height max.	335*/355** mm	320 mm
Noise level	62/70 dB(A)	67 dB(A)
Weight	48.5 kg	40 kg

#### ELECTRICAL DATA

Rated voltage	230 V/50 Hz	230 V/50 Hz
Power total	1300/1800 W	1200 W
Mains cable	12 m	12 m

#### BRUSHES AND PAD HOLDERS

Speed	150/300 rpm	300 rpm
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\*with columbus pad holder and pad

\*\*with vibration-cushioned pad holder and pad

# AND THE SHINY SPECIALISTS.

## HS 434

## HS 1001

## HS 1601

### HS 434

- Single-disc machine for treatment of floor coatings and, with the optional suction unit, ideal for renovation of coatings to protect modern floor surfaces.
- The belt drive allows large surface areas to be covered, with low noise levels of just 57 decibels when running.

### HS 1001

- Easy to control and gets the work done fast: this powerful, high-speed machine with a belt drive ensures a high-gloss finish on large surfaces.

### HS 1601

- A super shine on even the hardest surface coatings is guaranteed thanks to 1600 rpm.
- The mechanical pressure limit protects the floor covering from damage.



	HS 434	HS 1001	HS 1601
L x W x H	450 x 565 x 1170 mm	500 x 770 x 1160 mm	500 x 770 x 1160 mm
Working width	430 mm	500 mm	500 mm
Ground clearance max.	160 mm	95 mm	95 mm
Working height max.	345 mm	330 mm	330 mm
Noise level	57 dB(A)	63 dB(A)	66 dB(A)
Weight	33 kg	42.5 kg	42.5 kg

### ELECTRICAL DATA

Rated voltage	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz
Power total	1500 W	1500 W	1500 W
Mains cable	12 m	12 m	12 m

### BRUSHES AND PAD HOLDERS

Speed	400 rpm	1,000 rpm	1600 rpm
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# THERMOPAD. THERMO-ACTIVE CARPET CARE. UNIQUE. AND ONLY FROM COLUMBUS.

## Thermopad



- ❶ Patented, economical damp cleaning system to leave carpeted floors in offices, businesses, hotel rooms and IT centres clean and immediately usable.
- ❷ Impressive operating principle: the cleaning agent uses heat to quickly loosen even worn-in dirt, which is picked up fast and without residue by the Queen Bonnet Pad.
- ❸ The system works equally effectively on all kinds of carpet and contributes to maintaining the quality of the flooring.
- ❹ Whisper quiet: the machine produces very little noise when in operation and can be used during working hours.
- ❺ The heat supply can be altered by adjusting the thermostat, depending on the textile material.



- ⦿ **Better for the environment:** the moistened pad allows for the deep and thorough cleaning of carpets with minimal use of cleaning agents.
- ⦿ **The special cleaner Maxil** can be sprayed easily and evenly onto the floor with the pressure sprayer, and worn-in stains can be additionally targeted and treated.
- ⦿ **Expanded spectrum of uses:** the Thermopad is also suitable for oiling of parquet and wooden floors – with less oil, deeper penetration and significantly shorter drying times compared to conventional methods.
- ⦿ **What's more,** by using the Thermopad, wax stains in churches or catering areas can be quickly loosened and removed without leaving residue.

#### Thermopad

L x W x H	450 x 565 x 1170 mm
Working width	430 mm
Ground clearance max.	135 mm
Working height max.	290 mm
Noise level	63 dB(A)
Weight	35 kg

#### ELECTRICAL DATA

Rated voltage	230 V/50 Hz
Power total	3050 W
Power heater fan	2150 W
Driving motor	900 W
Mains cable	12 m

#### BRUSHES AND PAD HOLDERS

Speed	180 rpm
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# THE RIGHT ACCESSORY. MAKES MORE OUT OF YOUR MACHINE.

## Additional weights

- Additional weights allow the grinding pressure to be individually adjusted for a uniform surface pattern, even on difficult surfaces.

## Tank

- Twelve-litre plastic tank for the use of cleaning solution during work.
- The tank is easy to remove and has a large opening for quick filling.

## Spray tool

- Suitable for even spraying across floors when cleaning, spray cleaning or crystallisation.
- Complete spray kit includes pump spray bottle, hose and a double clamp to fix the spray tool to the handle bar.

## Suction unit

- Suction tool with connector piece and suction ring for dust-free polishing, sanding or cleaning.



columbus brushes for any application



columbus pad holders





#### Pad holder

- ⦿ Universal, entirely dust-proof and waterproof, autoclavable up to 140°C: the innovative columbus pad holder with laser-welded connection between base plate and rubber plate.
- ⦿ Thanks to a new manufacturing process and special plastic formulation, the pad holders have almost limitless durability and are completely recyclable.

#### Brushes

- ⦿ columbus brushes have dense, stiff bristles across the entire exposed area, for increased stability, quieter running and less wear and tear.
- ⦿ Diagonally positioned outer bristles allow cleaning work to the very edges.

#### Extras

- ⦿ Grinding mesh and abrasive papers with grain from extra rough to extra fine.
- ⦿ Paper bag for the suction unit.
- ⦿ Extension cable 12- or 25-metre, waterproof and kink-proof.

Super pads from hard to soft



Pad holder with edgeless rubber plate and pad



