

# DSM 500 - DSM 500S

Polishing - Grinding - Scarifying

The three-head high-speed grinding machine for professional high-gloss results. A complete sealed gear drive mechanism offers full protection against water and grinding dust. Motor soft start device, automatical electrical phase indication, quick tool exchange and the high grinding pressure ensure economical and ergonomical working conditions.



**Special characteristics**

- + Quick tool exchange
- + Motor soft start device
- + Grinding, wet and dry
- + Works 10 m to the edge
- + Free floating gear casing
- + Motor overload protection
- + Transport device
- + Integrated water feed
- + Handle adjustable
- + Automatic phase indication

**Ø - performance m<sup>2</sup>/day**

Concrete	100 - 200
Scarifying	50 - 150
Marble	30 - 50
Terrazzo	30 - 50
Granite	20 - 30

**Technical data**

Voltage	Volt	3 x 400	Tool speed; DSM 500S	r.p.m.	400-1200
Frequency	Hz	50	Tank, standard	l	40
Drive motor	Watt	5500	Weight	kg	150/160
Protection class		I	Transport wheel - Ø	mm	200
Protection grade	IP	54	Vacuum connection - Ø	mm	50
Working width - Ø	mm	510	Dimension lwxh	cm	170x53x96
Grinding disc - Ø	mm	230	Hour meter	standard	yes
Grinding pressure	kg	100	Splaguard	standard	yes
Working to the edge	mm	10	Motorprotection	standard	yes
Tool speed; DSM 500	r.p.m.	800	CE-Certificate	standard	yes

**Range of application**

**DSM 500/500S**

Grinding concrete, screed, natural stone floors, terrazzo and removals old adhesives, paint and epoxy coatings

**Order information**

Machine	Volt	Hz	r.p.m.	Watt	Plug	Ref.
DSM 500	3 x 400	50	800	5500	16A,EU	795025
DSM 500S	3 x 400	50	400-1200	5500	16A,EU	795026

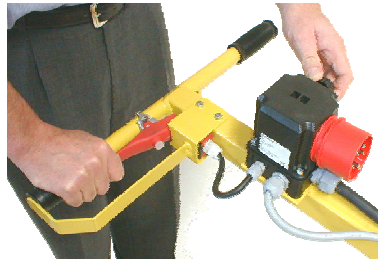
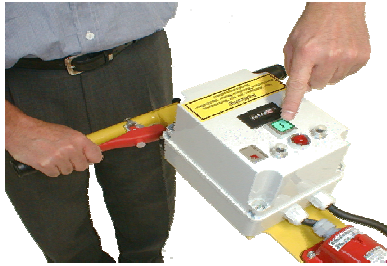


Diamond carrier plate with 3 or 6 grinding tools



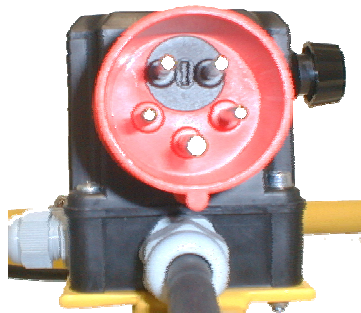
<b>Features</b>	<b>&amp;</b>	<b>Benefits</b>
<u>Grinding pressure</u>	=	High grinding pressure per diamond segments ensures high grinding efficiency and area coverage in sqm/hour <b>Economical</b>
<u>Grinding to the edge</u>	=	Works up to 10 mm to the edge to reduce manual work behind time which saves labour costs <b>Economical</b>
<u>Adjustable tool speed</u>	=	On DSM 500S gives more flexibility on the various floors when grinding or renovating <b>Economical</b>
<u>Tool ex-change</u>	=	Quick coupling device allows tool exchange in seconds without special tools <b>Ergonomical</b>
<u>Handle bar</u>	=	Individually adjustable for any operator size to improve operator comfort <b>Ergonomical</b>
<u>Motor</u>	=	Maintenance free long life motor with IP 54 protection <b>Reliability</b>
<u>Gear drive</u>	=	Maintenance free complete sealed direct gear drive with self lubrication for uniform power transmission and protection against dust and water <b>Reliability</b>
<u>Casing</u>	=	Solid and robust designed cast aluminium gear housing gives full protection against external damage and ensures uniform fit of bearing and gears <b>Reliability</b>
<u>Phase indication</u>	=	Automatic phase indication with red light warning shows wrong cable wiring from the main switch board and prevents electrical risk for the motor <b>Safety</b>
<u>Phase converter</u>	=	Allows quick and save wiring change on place if a wrong wiring from the main switch board is indicated <b>Safety</b>
<u>Deadman switch</u>	=	Maximum operator safety against unintentional machine <b>Safety</b>
<u>Motor protection</u>	=	Electrical motor overload protection protects motor an electrical circuit against damage <b>Safety</b>
<u>Dust control</u>	=	External dust outlet allows save dust control connection for save dust control when <b>Safety</b>

## Features & Benefits



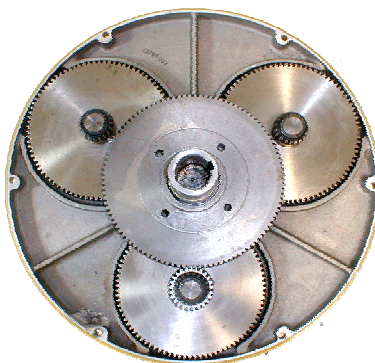
### Easy to use

- On/Off switch
- Deadman switch
- Speed control DSM 500S
- Transport



### Easy to service

- quick tool exchange
- phase converter



### Safe

- direct gear drive
- complete sealed

## ***In application***



**Grinding Korodur**



**Grinding asphalt**



**Removal of old coatings**



**Concret polishing**

