

Grinding and deburring machines generate dust particles that are harmful to the health of employees. However, the small dirt particles also affect the quality of the further processing of the components and the mechanics of the machines. It is therefore important that grinding and deburring machines are equipped with extraction and dust removal technology.

LISSMAC systems are therefore always equipped with a dust extractor, without which they cannot work. Specifically, all grinding and deburring machines are equipped with a vacuum sensor. The machine can only transport and process workpieces once the dust collector has created the required vacuum in the machine.

LISSMAC offers a wide range of dust extractors. These include the dry dust extractors from the "DDE" product line, which are used for processing steel, stainless steel and other non-explosive metals. The wet dust extractors in the "WDE" product line, on the other hand, were developed for processing explosive metals such as aluminium or titanium alloys.

The powerful and economical dust extraction systems promote a smooth production process and are suitable as extraction systems for individual machines, small machine groups or stand-alone solutions. The dust extractors are low-maintenance and their compact design makes them versatile and flexible in use.

Machine manufacturer LISSMAC is liable for the complete system (machine + dust extractor) and supplies the corresponding CE certificate.



>> WET DUST EXTRACTORS

TECHNICAL DATA	WDE 3002	WDE 4502	WDE 7002	WDE 10002
Negative pressure (max.)	3500 Pa.	ca. 3400 Pa.	ca. 3700 Pa.	ca. 3750 Pa
Effective volume flow	3000 m ³ /h	ca. 4500 m ³ /h	ca. 7000 m ³ /h	ca. 10000 m ³ /h
Motor	4,0 kW	6,6 kW	11 kW	15 kW
Voltage	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz
Net shape	3~ PEN / 3~ PE+N	3~ PEN / 3~ PE+N	3~ PEN / 3~ PE+N	3~ PEN / 3~ PE+N
Sound power level	70 dbA	70 dbA	70 dbA	75 – 78 dbA
Filter area	17 m ² (27 m ² H14)	34 m ²	34 m ²	80 m ²
Unladen weight approx.	500 kg	650 kg	750 kg	850 kg
Water tank capacity approx.	170 l	350 l	350 l	700 l
Weight filled approx.	670 kg	1000 kg	1200 kg	1450 kg
Dimensions (W/D/H) approx.	980/850/3130 mm	1470/800/3230 mm	1470/800/4035 mm	1470/1300/4035 mm

>> DRY DUST EXTRACTORS

TECHNICAL DATA	DDE 1502 MIX	DDE 3002	DDE 5502	DDE 8502	DDE 11002
Negative pressure (max.)	2800 Pa.	2600 Pa.	ca. 3400 Pa.	3800 Pa.	3750 Pa.
Effective volume flow	1500 m ³ /h	3000 m ³ /h	ca. 5500 m ³ /h	8500 m ³ /h	11000 m ³ /h
Motor	2,2 kW	3,0 kW	5,5 kW	7,5 kW	11 kW
Voltage	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz
Net shape	3~ PEN / 3~ PE+N	3~ PEN / 3~ PE+N	3~ PEN / 3~ PE+N	3~ PEN / 3~ PE+N	3~ PEN / 3~ PE+N
Sound power level	71,5 dbA	71 dbA	74,5 dbA	74,5 dbA	75 – 78 dbA
Filter area	7,5 m ²	20 m ²	40 m ²	40 m ²	80 m ²
Weight approx.	160 kg	390 kg	600 kg	600 kg	700 kg
Dimensions (W/D/H) approx.	600/600/1500 mm	980/850/3130 mm	1470/800/3310 mm	1470/800/3310 mm	1470/800/4110 mm