



LIMA

Deburring machines

for flame-cut, punched and sawn parts

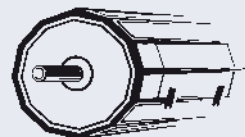


TECHNICAL DATA

| | LIMA-400 L | LIMA-600 L |
|------------------------|--|--|
| Drum contents | 400 Ltr. | 600 Ltr. |
| Useful volume | 250 Ltr. | 400 Ltr. |
| Average filling weight | 600 kg | 800 kg |
| Inner drum width | 920 mm | 920 mm |
| Key width | 680 mm | 878 mm |
| Max. work dimension | 850 x 200 mm | 850 x 200 mm |
| Max. piece weight | 30 kg | 30 kg |
| Engine | 400 V, 50 Hz, 2,2 kW | 400 V, 50 Hz, 2,2 kW |
| Drive | Worm gear with mechanical brake Transmission via quintuple V-belt | Worm gear with mechanical brake Transmission via quintuple V-belt |
| Drum rotation | 4 - 18 r.p.m., continuous | 4 - 18 r.p.m., continuous |
| Noise generation | 68 - 72 dB(A), depending on size of parts and drum rotation | 68 - 72 dB(A), depending on size of parts and drum rotation |
| Space required | 3000 x 1500 mm | 3000 x 1500 mm |
| Height | 2000 mm | 2000 mm |
| Weight | 1950 kg | 2159 kg |
| Standard equipment | Dust extractor installation 400 V version | Dust extractor installation 400 V version |
| Connection | 3 x 400 V, N, PE | 3 x 400 V, N, PE |

LIMA Entgratungsmaschinen

Industrierauflösungen
Entgrattechnik
Maschinenbau



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WE DELIVER:

Drums in each size, half or full vending machines
hydraulic drum flaps opening
Hebekippgeräte to that would befall of measures par

Separiereinrichtung

Drum selective Manganstahlauskleidung, PUR
Kunststoff ca. 95 shore, rubber end clothing

Special mechanical engineering after customer wish

LIMA
Entgratungsmaschinen
Germany

Deburring
Degrasing
De-oiling
De-scaling
Derusting
Polishin



The doors can be opened to the extent that also loading from top by means of a tip container or a hoist can be performed. The aid of touch control, the drum can be moved into any position.



DESCRIPTION OF THE MACHINE AND OPERATIONAL CHARACTERISTICS

The parts to be machined are deburred, descaled and derusted by means of self-friction. Because of the machine's closed structure, noise generation during the deburring process is reduced to only 68 - 72 dB. By means of a dust extractor installation with a direct effect, pertaining to its standard equipment, the dust developed during the machining is removed automatically. Also oil-covered punched and sawn parts can be processed by the machine. Sawdust is added into the drum for machining under these conditions. By means of a time-variation control circuit, the dust extractor can be switched on individually. This being the case, the parts can be deoiled and dried beforehand. Only when this has been carried out, the dust extractor installation will switch on automatically, so as to exhaust the sawdust from the interior of the drum. Due to presetting the drum velocity, optimum machinings are guaranteed.

The machine is in a sound-absorbing protection cabin.

The deburring machine can be installed at any location, provided that the soil/base is firm. Once an operating process has ended, the drum will halt in its position, so that the drum flap can be opened without delay. Each machining cycle lasts about twenty minutes. By pressing a push-button, the drum contents can be emptied into EURO-norm containers placed below.

LIMA-400 L AND LIMA-800 L WITH HIGH-SPEED LOCK

The new deburring machines are equipped with a high-speed drum lock for rapid opening and closing of the drum flap. The inside lining of the drum consists of highly wear-resistant steel, with a working life of approximately twenty years at single-shift operation. Drive by means of a quintuple 1:3 V-belt via worm-gear. Maintenance-free swivel-joint roller bearing High-speed lock of the drum. Well arranged operator's console with time program. Electronic speed control. Machine bedding on top of oscillation dampers. Ample discharge area, suitable for EURO-norm containers. Perfect access for fork lifters or pallet stacker. Built-in dust collection

container by means of a stacker or by means of automatic lifting and tipping device

