

MACHINE-DATA

Machinetype	: Sanding machine
Make	: LÖWER
Type	: DSM 3000
Year	: neu
Control type	:
Control	:
Storage location	: ab Werk
Origin	: Germany
Delivery time	: after arrangement
Quotation	: ex work
Price	: on request



TECHNICAL DATA

Number of sanding units	2 St.
sanding width	290 mm
Sanding height max.	180 mm

TECHNICAL DESCRIPTION

LÖWER-DoubleSander Solid DSM 3000

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- Two-sided single wood sander for sanding
Solid wood such as window wood etc. Stable
Top version with long casting tables, brushing and finishing
device and conveyor belt feed. Suitable for high
Permanent load even with higher chip removals.*
- *Staggered sanding and finishing units at the top
and below*
 - *directly driven rubberized sanding rollers for slip-proof
free power transmission*
 - *Combined grinding via roller and shoe for high chip removal
with a flat intervention zone at the same time*
 - *maintenance and wear-free CERMET-coated grinding wheels
shoes with very good thermal conductivity and absolute
Dimensional accuracy*
 - *External cooling of the grinding zones for cooler grinding
and longer sanding belt service life*
 - *force-guided pneumatically controlled sanding belt
oscillation*
 - *effective sanding dust extraction directly on the*

Grinding rollers

- Airborne dust extraction on the tension rollers
- Integrated brushing and finishing device with large

Grinding dust extraction

- motorized grinding thickness adjustment via precision threaded spindles and large-sized linear ball screws bearing sets on hardened and ground precision shafts with dust and dirt protection
- Adjustment of the chip removal at the bottom via precision Threaded spindle with dimension display via scale ring (Resolution 0.1mm)

- Sanding belt tension via pneumatic cylinder constant clamping pressure

- Sanding belt change with pneumatic belt relaxation

Within seconds

- Adjustment option for the sanding belt run

Band change

- electro-pneumatic compressed air monitoring
- Anti-running protection via contact roller if it is too thick workpieces
- Workpiece transport via calibrated non-slip and non-stick fixed conveyor belts over heavy, 1000mm long cast iron tables with a finely planed surface and spring-loaded

Pressure rollers with fine adjustment

- Cardan shaft drive for smooth and consistent

Workpiece transport

- Feed gear motor infinitely variable for quick adaptation to different types of wood
- all motors electrically protected
- Ergonomically arranged controls on the workpiece inlet side
- digital thickness display (resolution 0.1mm) with modern

Magnetic tape system

Technical data:

- Sanding belt speed 22 m/s
- Sanding belt length 1800mm
- Sanding belt width 300mm

- Working width 290mm
- Grinding thickness 2-180mm
- two brake motors for 7.5 kW drive
- Feed motor 1.0 kW
- Feed speed 4-20 m/min.
- automatic height adjustment 0.37 kW
- two brush units of 0.37 kW each with fiber brushes D 120 x 300mm
- Suction nozzles 2 x 120mm and 2 x 150mm
- Pneumatic connection 6 bar

- Working height 850mm
- Length 2105mm
- Length with control panel 2490mm
- Width 980mm
- Height 1910mm
- Weight approx. 1650 kg
- Operating voltage 400 volts, 50 Hz, 3P
- CE version

Price of the above machine on request!

Special accessories with additional costs:

Workpiece blow-off

- using nozzles from above and below at the machine outlet arranged, pneumatically controlled

Sanding belt blowout

via nozzles directly on the radii of the tension rollers inside the suction arranged, timer controlled on/off 5 seconds each, can be switched on separately

Disc unit for defibering

- two grinding flap discs with 180mm diameter (max. grinding width 180mm)
- Adjustable laterally and in delivery
- including frequency converter for stepless speed control instead of the standard brushing and finishing facility

Roller finish package 300

- two grooved roller base bodies equipped with grinding flaps
- Total diameter approx. 180mm
- including frequency converter for stepless speed control instead of the standard brushing and finishing facility

Lateral displacement of the entire machine

- adjustable 50-100mm oscillating for more even

Utilization of sanding belts, finishing tools and

Transport system, geared motor 0.37kW

(not available in conjunction with disc/softdisc unit)

Transport freewheel device

- when linked with little distance to the previous machine

External start impulse of the machine

- via a button including control option via external PLC control (when linked in a production line)

DUPLO control

- additional control panel for attachment to a upstream machine with the following functions:
- Start button
- Emergency stop switch
- Height adjustment up, down and 1/10 down
- Digital strength display
- shielded special cable, (max. 20m)

*Suction device for DSM conveyor belts
against tables for grinding particularly thin workpieces
from 1 mm, including 80mm connection piece for suction hose*

*Automatic workpiece thickness scanning
(no prior measurement necessary)*

*Set of SmartFlex sanding flaps for DSM with flap discs
consisting of:
60 strips M 35 / 50*

*Set of SmartFlex sanding flaps for DSM with flap roller
consisting of:
48 strips M 55 / 300*

Price of the above-mentioned special accessories on request!

*(technical information according to the manufacturer - no guarantee!)
All prices quoted are net. plus statutory VAT*

VIDEO-LINKS

WEB-LINK

https://lagermaschinen.de/maschinen-datenblatt/Sanding_machine/LOeWER/DSM_3000/1305-6155

Sanding machine
LÖWER
DSM 3000
Stock no. :1305-6155

MACHINE PICTURES

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