

SANDINGMASTER® 3000

-
The solution for almost any
sanding problem...

-
...in a furniture factory or panel
manufacturer or
in a small joiner's shop...

-
...the Sandingmaster® 3000 can be
customized to your needs...

-
...tailor made sanding technique
built by Linden,...

-
...more than half a century
around the world.
-



50 years ago Arie van der Linden started to design new advanced sanding machines which, eventually, led to the revolutionary wide belt sanding machine, the Sandingmaster®. Over the years this machine built up a strong world wide reputation.

The Sandingmaster® 3000 range is the result of 50 years of experience

Sandingmaster® 3000. The new tailor-made sanding technique

in sanding technology, providing a cost efficient, reliable machine for accurate calibrating or fine sanding of veneered woods. With the modular system it can be made for delicate lacquer sanding (de-nibbing). Your Sandingmaster® 3000 can be built exactly to suit whatever purpose you require.

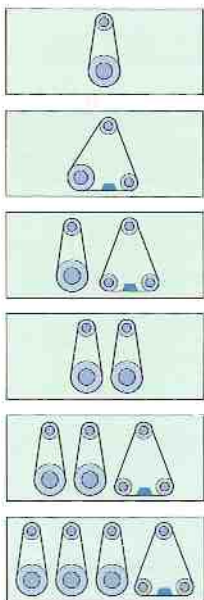
The right combination for your work

A whole series of combinations can be provided from a single contact roller and pad or with a combined contact roller and pad. Any configuration up to five heads can be supplied.

The Master has a standard 1100 mm or 1350 mm working width, but can be increased to 2450 mm upon request.

As an alternative to the standard pad, a rise and fall pad or even a sophisticated segmented pad can be supplied. In addition, brushes for cleaning, structuring or Scotch Brite can be provided for enhancement of the finish.

*All combinations up to
5 aggregates are possible!*



Accuracy that meets your quality standards

The Sandingmaster® 3000 for calibrating or fine sanding solid materials...

Due to the rigid frame, the Master is vibration free, thus providing an excellent evenly sanded surface.

The standard bearings of the contact roller can handle up to a 45 kW main motor; furthermore the solid table with flat conveyor belt ensures an impeccable finish to your materials.

For heavy calibrating, a solid grooved steel roller can be supplied, combined with a hydraulic or frequency regulated conveyor feed drive.

...or for veneered components...

By adding the rise and fall pad, fine sanding of veneered parts or plywood is possible. Alternatively, the segmented pad overcomes the problems with thickness variations (maximum 2 mm). The stock guidance via cast iron pressure bars prevents dubbing (rounding off) of edges.

...or for lacquer sanding

The Master has numerous options for high quality lacquering. Depending on your lacquer type and the way in which it is applied, Linden can tailor a machine to suit. Clients can make tests at Linden prior to ordering a machine by sending materials in advance, thus ensuring that the finest possible finish can be achieved.



3000



The universal machine

The Sandingmaster® 3000 can be built as a universal sander for calibrating as well as veneer and lacquer sanding.

Dust extraction takes place through the cast iron pressure bars combined into a fixed/floating table makes the 3000 the correct machine for those who have a varied production programme.

Very reliable

The Masters are renowned for their endurance. You can be certain your Sandingmaster® will perform day in, day out, with a minimum down-time. The cast iron pressure bars ensure an accurate friction free throughfeed.

Easy to handle

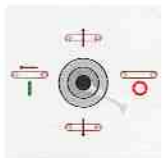
One single 'joystick' provides quick and easy thickness setting for conveyor table rise and fall and start/stop. This system is called Lindomatic®, providing correct automatic thickness setting using one lever.

Safety for the operator

All necessary safety features are incorporated, including the latest electronic braking which will stop the machine within three seconds should anything go wrong. Linden has taken good notice of the GS and CE safety regulations. Effective dust extraction keeps the air to within one tenth of the permitted emission; good for the operating environment.

Your budget can take it

The price of the Sandingmaster® 3000 is not just economical; if you take other important advantages into consideration, it becomes very attractive! Like its reliability, considering present down-time costs and low operating costs and minimum of maintenance during its long and hardworking lifetime. Of course, the Sandingmaster® always maintains a high trade-in value, ensuring it will be a good investment.



SANDINGMASTER® 3000

More options to suit your needs

Your Master can be manufactured to suit your exact needs. The list below shows some of the popular options. If you have any special requirements, you can benefit from Linden's vast experience in providing a solution to all kinds of sanding problems; cork, rubber, metal, plastics, coil materials, insulation material, leather, felt and many others. Please ask your dealer about further possibilities of the Sandingmaster® 3000. They can advise you about the best configuration for your purposes.

Contact Rollers

From 20 to 90° shore hardness or steel contact roller.

Sanding Pad

In many executions, for example, the cross belt head.

Lindotronic® segmented pad

Follows the contours of the workpiece and compensates for thickness variations up to 2 mm.



Main motors

Up to 45 kW on standard heads; up to 132 kW for specially adapted heads.

Speed variation

Main motors with variable speed.

Extended belt length

For 2620 mm long abrasive belts.

Setting gauges

Dial indicators on the heads.



Oscillation

Electronic or pneumatic oscillation of the sanding belt.

Air jet belt cleaners

Helps reduce clogging on finer grits.

Pressure rollers and pressure bars

For special applications.

Lindomatic®

Automatic thickness setting, including 'single knob' setting providing the correct sanding pressure for calibrating and veneer sanding.



Soft contact roller

With a 35 or 25° shore.



Variable throughfeed speed

Stepless 3-15, 6-25 or 8-40 meter per minute or hydraulic or frequency regulated.

2-speed height adjustment

Of the conveyortable.



Floating table

For veneersanding.



Vacuum table

For holding smooth and small parts, sheets or coil materials with a thickness of < 1 mm to the conveyor belt.

Extended rear table

Enlarged throughfeed opening

To accommodate parts with a max. height of 500 mm.

Cleaning brushes

For dedusting the sanded part or the conveyor belt.

Constant pass line

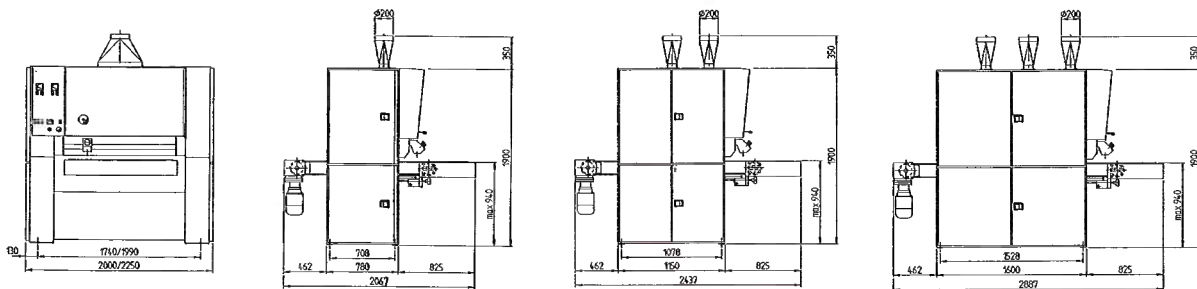
To maintain conveyor height when the machine is part of a complete line.



The Sandingmaster® 3000



Standard working width	1100 mm	1350 mm
Optional 600-2450 mm		
Maximum panel thickness	150 mm	150 mm
Standard horse power		
on 1st aggregate	15 kW	18 kW
on 2nd aggregate	11 kW	15 kW
on 3rd aggregate	11 kW	15 kW
Abrasive belt dimensions	1900 x 1130 mm	1900 x 1380 mm
Exhaust requirement		
at 100 mm W.G. air displacement		
approximate value per aggregate	2200 m³/h	2500 m³/h
Diameter exhaust mouth		
per head	180 mm	180 mm
Feedspeed		
	5 or 10 m/min	5 or 10 m/min
	or variable	or variable
Pressured air supply	6 bar	6 bar
Air consumption per aggregate		
with pneumatic oscillation:	± 80 liter per min.	± 80 liter per min.
with electronic oscillation:	± 10 liter per min.	± 10 liter per min.
Dimensions	See floor plan	



Your Sandingmaster® dealer:

LINDEN

Sandingmaster - Grindingmaster

Linden Machines BV
Fruitlaan 20-30, P.O. Box 68
4460 AB Goes, The Netherlands

Phone: ++31 1100 38911
Fax: ++31 1100 32003
Telex: 550 65

Sandingmaster®, Lindomatic® and Lindotronic® are trademarks of Linden Machines BV, Goes, The Netherlands. The text and photographs in this folder contain accessories that are not necessarily part of the standard equipment package. Subject to alteration without notice.

Linden. More than half a century around the world.