

**Automatic sanding machines**

**WEBER  
KSF**



*Future today!*

# 100 years of manufacturing drum sanders and

- Available in 3 working widths 1100, 1350, 1600 mm (43", 53", 63")
- Versions from one up to four stations
- Modular machine concept
- Vacuum units inside the machine frame (optional)
- Integrated electrical cabinets for machines up to 160 amp fuse protection
- Drum drive up to 37 kW
- Variable arrangements of sanding stations
- Exchange at a later date or retrofitting of sanding stations is possible
- Operation by means of touch screen
- Decentralised, flow-optimised dust hoods for effective dust removal



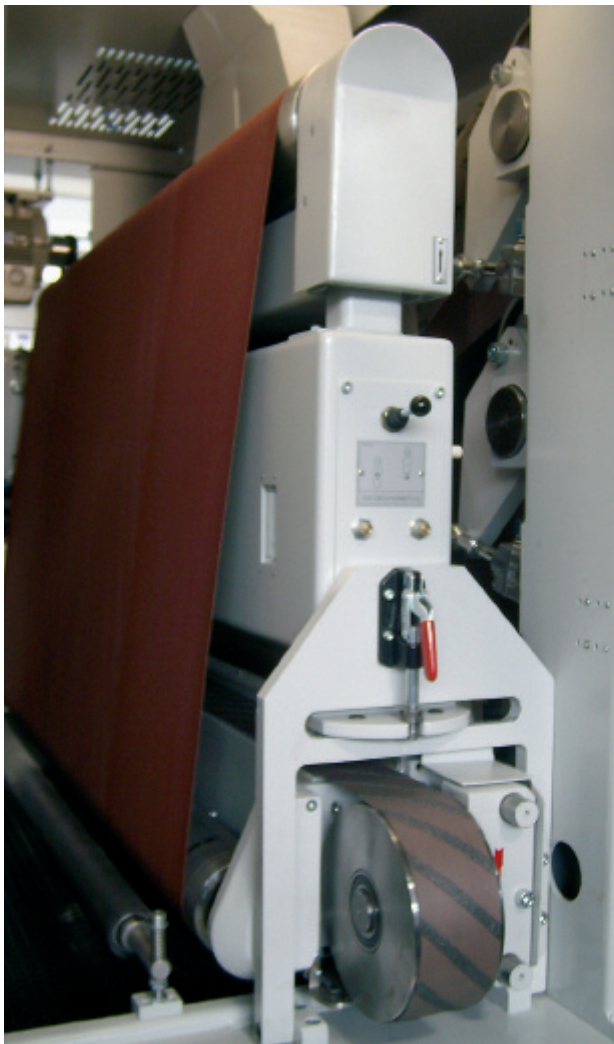
- WEBER sanding technology
  - Planing shaft
  - Contact roller
  - Cross belt
  - Combination station
  - Pressure pad station
  - CBF version

The KSF series is available in a top and bottom sanding version. The machines can be directly installed in a production line without the need for an intermediate conveyor belt. The entire sanding machine line is controlled from a centrally positioned swivel touch panel at the machine infeed. All drives and vacuum blowers are accommodated within the machine frame. The machine electrics are located in easily accessible switchboxes integrated in the machine frame.

# 50 years of manufacturing automatic sanders







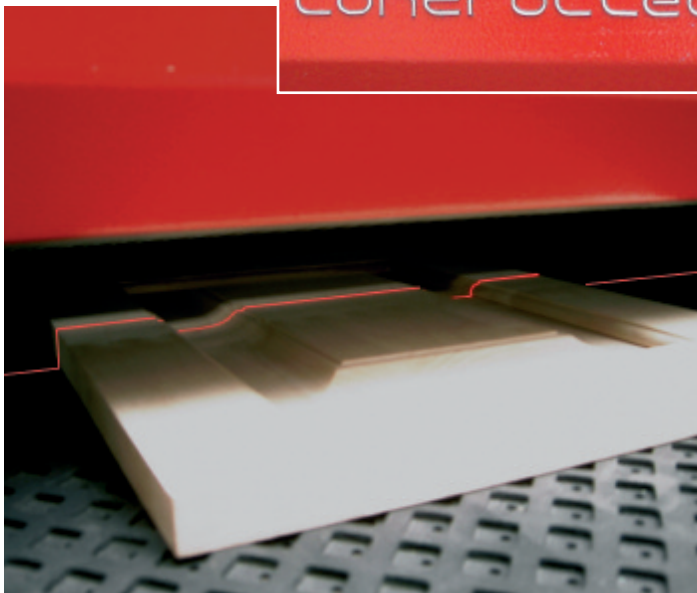
## **Smooth and uniformly sanded surfaces ... ... with the WEBER CBF sanding technology**

A sanded surface free of oscillation marks is the feature of a superior finish. This is not only required for classical wood sanding but also for lacquer and cast stone sanding.

The WEBER CBF technology features a cross running pressure lamella belt accommodated inside the wide belt sanding station that interrupts the action of the sand grains and prevents the sanding belt from becoming clogged with sanding dust. This also avoids the heating up and melting of lacquer and plastic surfaces, preventing the sanding belts from sticking and allowing the economic use of considerably finer sanding belt grits.

The mechanical construction is astonishingly simple without the control requirements of a wide belt. The high flexibility of the flat running cross lamella belt still allows the full tolerance compensation of the sectional pressure beam. The cross lamella belt minimises costs due to its uniform wear and full utilisation.

**Laser**  
controlled



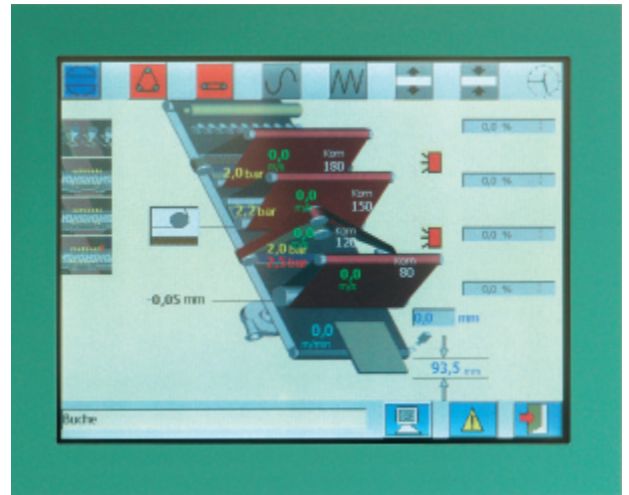
## **The laser scanner, contactless and maintenance-free ... ... WEBER SCAN with 100 % detection**

Precise workpiece detection is prerequisite for the function of the sanding technology with the sectional pressure beam. WEBER SCAN features contactless laser detection and meets two important requirements: Complete detection of the entire working width without division into grids as with the use of contact rollers and trouble-free operation without the conventional mechanics requiring constant servicing. The laser easily covers the necessary tolerance field of 2 millimetres. It can also be used for detecting colour defined surface areas that require a different sanding pressure. An additional area of application is the detection of differences in quality at an early stage during ongoing production.

# Activity and perfect sanding results

## Simple, straight-forward operation ... ... WEBER TOUCH offers more possibilities

Simple, fast and precise setting of the sanding machine is prerequisite for economic operation. WEBER has achieved this with the representation of the various functions on the TOUCH panel. This features perfect visualisation of the sectional pressure beam setting, immediate display of the programmed sanding areas and, of course, individual setting of all edges. The program memory can be extended with a flash card, if necessary. Integration in higher ranking production systems with individual data formats is easily possible.



## Perfect and uniform edge sanding ... ... with the WEBER ISA/ISD sectional pressure beam

Uniform sanding pressure on the edge and surface is prerequisite for a good sanding result. The sanding pressure should be distributed as uniformly as possible throughout the width and the system should operate as faultlessly as possible. WEBER has found the ideal solution: Freely movable pressure pieces firmly attached to the sanding lamella are automatically pressed flat against the sanding belt when actuated, ensuring the necessary uniform distribution of pressure on longitudinal and cross edges. At the same time, lateral forces acting on the positioning cylinders are avoided.

The arrangement of the pressure pieces on the sanding lamella does without any additional contamination-prone guiding system, allowing the system to operate completely maintenance-free. In addition, previously defined areas can be sanded with a different sanding pressure. This is particularly useful for sanding wide solid wood lippings flush.



## Targeted and energy-saving workpiece cleaning ... ... with the WEBER ES workpiece air blast cleaner

Dust has to be removed from surfaces after sanding. Mechanical solutions such as dust removal brushes can not cope with existing workpiece tolerances. WEBER has solved this problem with an elegant and simple solution. The workpieces are blasted by self-propelling compressed air propellers arranged adjacently. They are only activated in the direct vicinity of the workpieces to minimise the compressed air consumption.



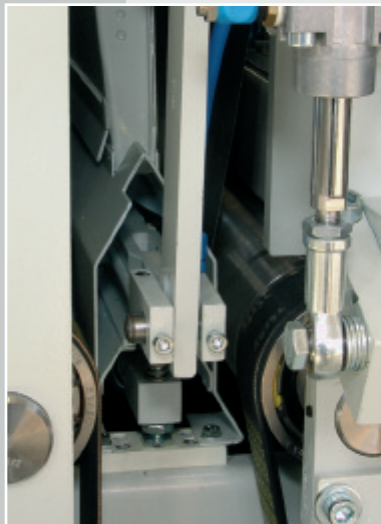


# High-performance units to

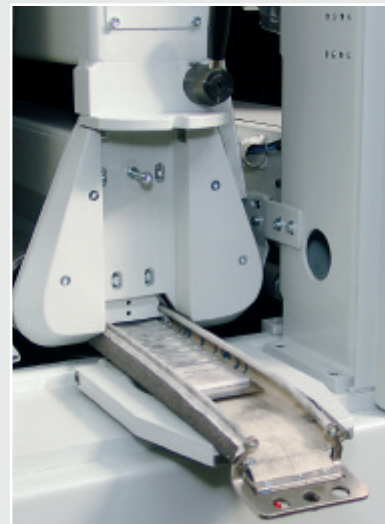
- Calibrating roll diameter  
210 mm / 8,25"  
(option 300 mm / 12")
- Steel or rubberized version
- Pressure beams at the calibration  
rolls
- Pressure rollers for workpiece  
guidance
- Pressure rollers rubberized and  
spring-mounted
- Drive via ribbed V-belt
- Bearings with long life lubrication
- Automatic sanding belt edge  
compensation
- Equal sanding belt length on top  
and bottom sanding lines
- Sanding belt length 2620 mm  
(103") as option



Service-friendly access



Sanding belt blow off



Quick change graphite slideway  
lining and sanding lamella



Motorised P  
roll adjustm

# meet maximum requirements



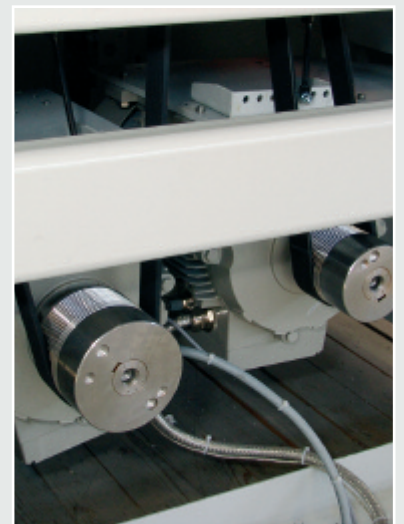
PLC controlled  
ent



Spring-mounted, rubber  
coated pressure rollers



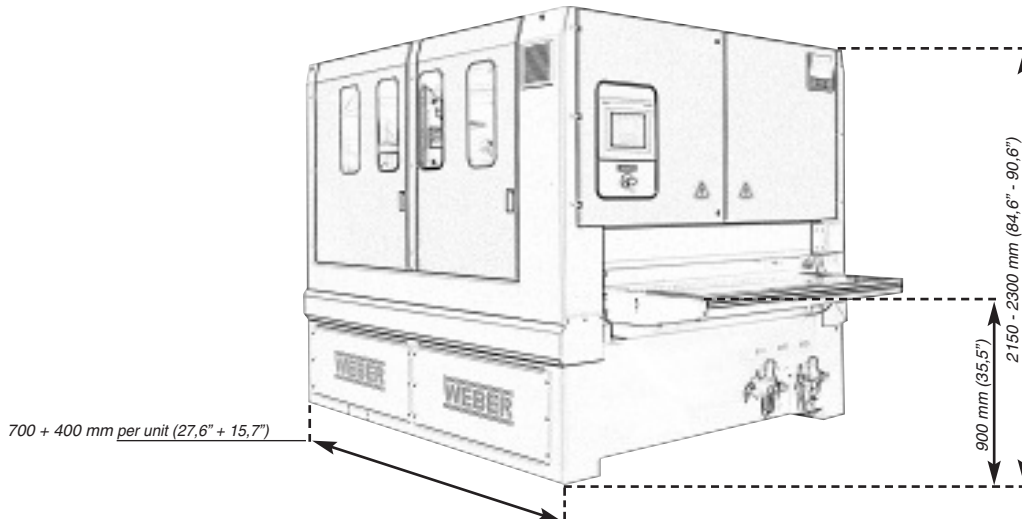
Easy and solid locking sys-  
tem with one-hand operation



Automatic tensioning,  
ribbed V-belt drive



# The series and its data



Working width (mm) (inch)	1100 43	1350 53	1600 63
Machine width (mm) (inch)	1750 64	2000 79	2250 88
Extraction per unit ((m <sup>3</sup> /h) Diameter (mm/inch)	1850 Ø180/7,2	2250 Ø 200/7,9	2750 Ø 220/8,7
Basic machine weight approx. + weight per unit approx.	1,6t 0,8t	2t 1t	2,4t 1,2t
Cross belt dimensions (mm) (inch)	---- ----	150x4900 6x192	150x4900 6x192
Wide belt dimensions (mm) (inch)	1120x2150 / Op. 2620 44x85 / optional 103	1370x2150 / Op. 2620 54x85 / optional 103	1620x2150 / Op. 2620 64x85 / optional 103

Subject to technical modifications

## WEBER Tradition and Innovation

### Quality from Upper Franconia

The company is rich in tradition with over 100 years of sanding machine manufacture. The name WEBER is synonymous with innovation, technology and highest quality engineering.



More than 300 people are employed at two locations.

Hans Weber Corp.  
PO Box 3387  
Olathe, KS 66063-3387  
info@weberamerica.com  
Phone ++1-913-254-1611  
Toll Free ++1-877-519-9795  
Fax ++1-913-254-1582  
www.weberamerica.com



Hans Weber  
Maschinenfabrik GmbH  
Bamberger Str. 19 – 21  
D-96317 Kronach  
Tel. +49 (0) 92 61 409-0  
Fax +49 (0) 92 61 409-399  
email: info@hansweber.de  
www.hansweber.de

HPEUGD