

WEBER LCS

Wide Belt Sanding Machine

WEBER LCE

Automatic Sanding Machine

WEBER LCE compact

Automatic Sanding Machine



1913

WEBER puts over 100 years of tradition and experience into manufacturing its sanding machines

1955

WEBER has been producing wide belt sanding machines for more than 55 years

2013

With 6 series available, WEBER sets the standards in sanding technology today



WOOD IS OUR PASSION.

New materials are constantly being used in furniture, interior design and in exhibition stand construction. And yet, the aesthetic fascination of wood is timeless. Based on decades of experience and continual innovation, we develop our automatic sanding machines to meet the highest standards. This is the best prerequisite for ensuring that the living material wood, in all its diverse varieties, will delight after processing – as the result of efficient and resource-conserving production.

QUALITY IS OUR BUSINESS.

Quality is common practice at WEBER. It is evident in the overall concept of the sanding machines, the intelligent solutions and the numerous patented details, which always have the same result: perfectly sanded surfaces.





WEBER. **Ergonomic and intelligent**

Machine systems with complex functions need a control system that works precisely and can be intuitively operated: WEBER achieves this with a control concept that thinks along with you: whether it is the “i-Touch” rotary knob or, for instance, the automatic thickness setting.



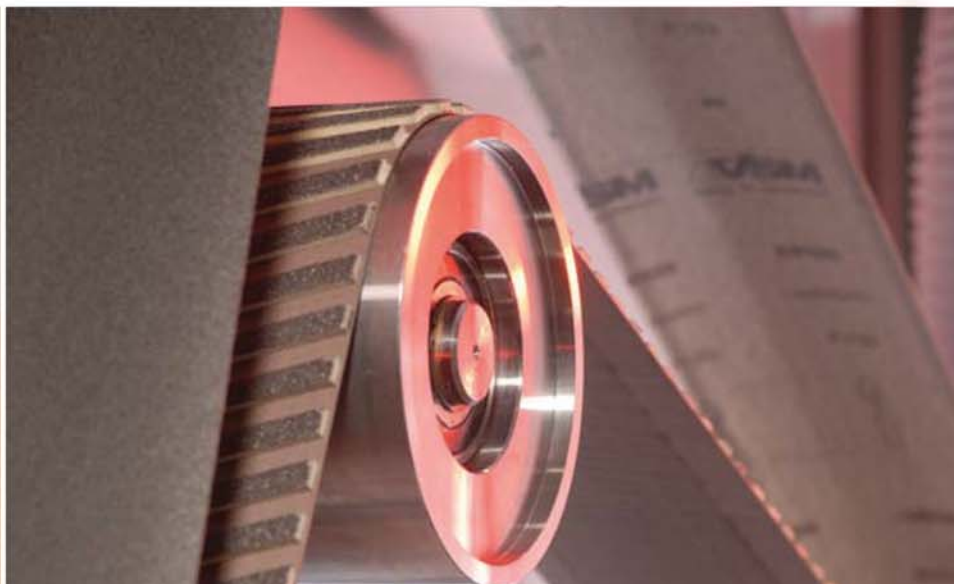
WEBER. **Individualized and modular**

The requirements from industry, the manual trades, panel manufacturers and the furniture industry are very different. New materials and new designs often also require new production processes. WEBER concentrates intensively on these continually changing requirements for surfaces and attempts to provide a sensible and functional answer with suitable sanding technology. You will find exactly the right solution for your requirements in one of the series we offer.



WEBER. **Energy efficient and resource-saving**

Preserving handling of energy and resources is the order of the day. WEBER realizes these requirements in relation to electrics and mechanics. The sanding belt drives are equipped with high-efficiency rated motors, the main drives are equipped with “Eco-Drive”. CBF sanding technology reduces sanding belt wear by increasing operating life for complicated sanding tasks. Workpiece-controlled workpiece cleaning as well as workpiece-controlled sanding belt blow-out save expensive compressed air.



Perfect finishes with WEBER ISA sanding technology.

WEBER LCS | Wide belt sanding machine

The entry-level model from WEBER
for wood sanding and veneer sanding

8

Can be combined with up to 4 machining stations.

WEBER LCE | Automatic sanding machine

The multi-talent from WEBER for wood sanding,
veneer sanding and lacquer sanding

12

Sophisticated technology at an attractive price.

WEBER LCE compact | Automatic sanding machine

The special model from WEBER for wood sanding,
veneer sanding and lacquer sanding

22



WEBER LCS



WEBER LCE



WEBER LCE compact

WEBER LCS

Wide belt sanding machine

The **LCS** series possesses the **WEBER sanding technology** with the patented **ISA segmented platen system** within the framework of a **single or double belt version**. The single belt machine is equipped with a combined station, the double belt machine has a contact roller station as well as a combined station. Calibrating and finish sanding can be performed individually or in combination.



1100 mm

1300 mm

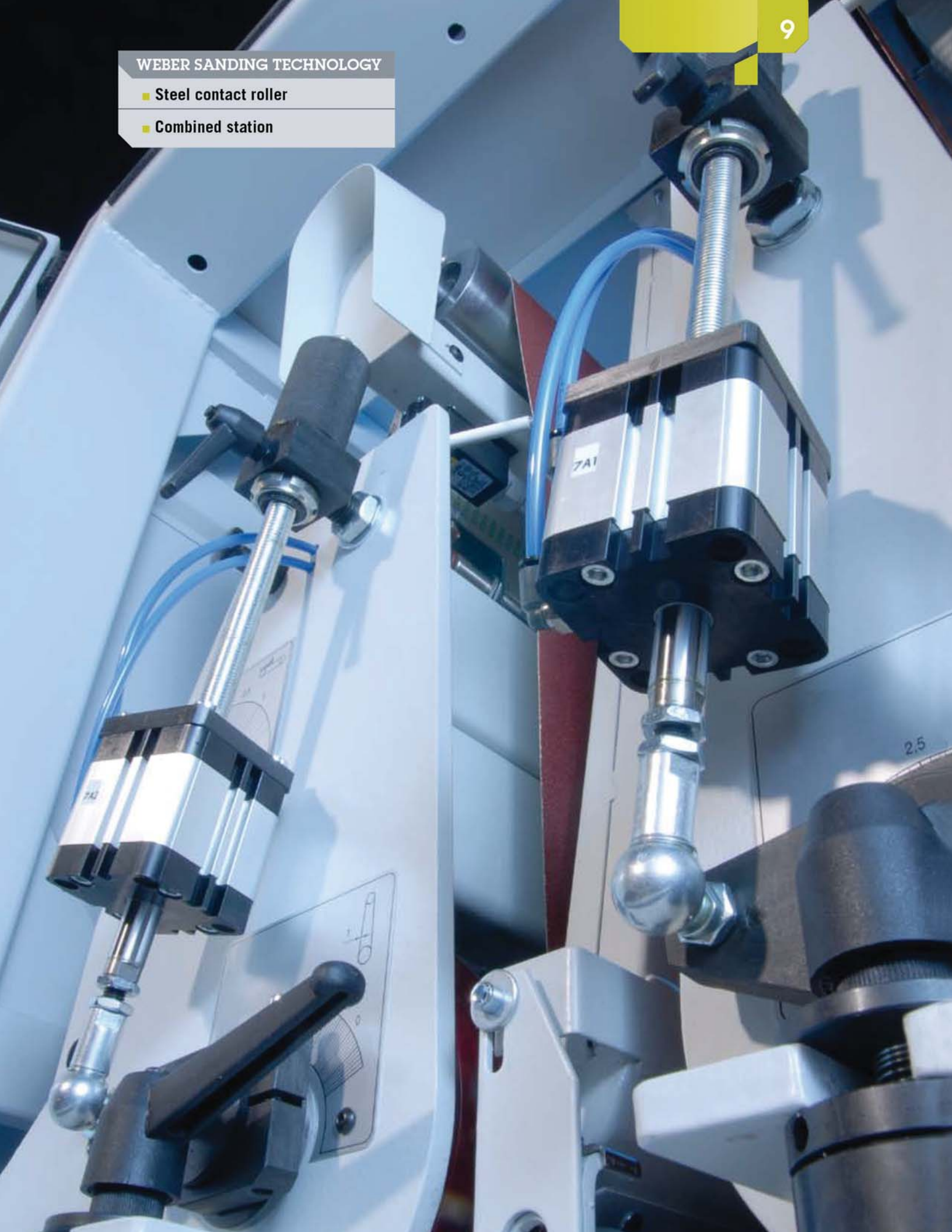


1 to 2 sanding stations

- Operating widths upwards of 1100 and 1300 mm
- Version with 1 to 2 sanding stations
- Calibrating roller drive up to 15 kW
- Infinitely variable feed speed (1–10 m/min)
- Sanding belt length 1900 mm
- Segmented platen ISA
- Combined button and touch screen operation
- Automatic workpiece thickness setting
- Universal sanding lamella

WEBER SANDING TECHNOLOGY

- Steel contact roller
- Combined station



WEBER LCS

For perfect sanding results



WEBER wide belt sanding

For uniform sanding quality

The contact roller is used in the production of plain surfaces, what is also known as calibration. The spiral-shaped, grooved roller guarantees the highest degree of precision and enables large chip removal as well as ensures a long service life. The sanding pad serves to ensure improved surface quality - with solid wood and veneers. The segmented version of the sanding pad with electronic control can process tolerances up to 2 mm with the highest consistent sanding quality.



Precise roller adjustment

For even better sanding results

When calibrating, a good sanding result is characterised by precisely reproducible roller settings. Bearings on a continuous eccentric shaft ensure that parallelism is always exact and that adjustments can be made to within 1/10 of a millimetre. The roller is automatically removed pneumatically.



Automatic workpiece thickness measurement

For even more efficient operation

Automatic translation of the workpiece thickness to the machine opening simplifies adjustments and saves time. Thus, a superb sanding result can be achieved immediately.



WEBER ISA segmented platen

For targeted sanding pressure

A good sanding result is dependent upon reliable segmented platen technology, which adjusts the sanding pressure of individual segments to the workpiece size via electronic control. With the patented WEBER ISA version the pressure pieces and sanding lamella form one unit. This unit is maintenance-free and resistant to dirt.

WEBER LCE

Automatic sanding machine

The **LCE** series is designed as a compact automatic **cross sanding machine** or simply as a **wide belt sanding machine** for use in the skilled trades and for specific industrial applications. The entirety of WEBER sanding technology is available for perfect sanding results. The constant passline enables effortless integration into production lines.



1100 mm

1350 mm



1 to 4 sanding stations

- Operating widths 1100 and 1350 mm
- Version with 1 to 4 sanding stations
- Calibrating roller drive up to 22 kW
- Lacquer finishing package
- Sanding belt drive with frequency control
- Vacuum blower integrated in the machine frame
- Modular machine concept
- Flexible arrangement of sanding stations
- Universal sanding lamella

WEBER SANDING TECHNOLOGY

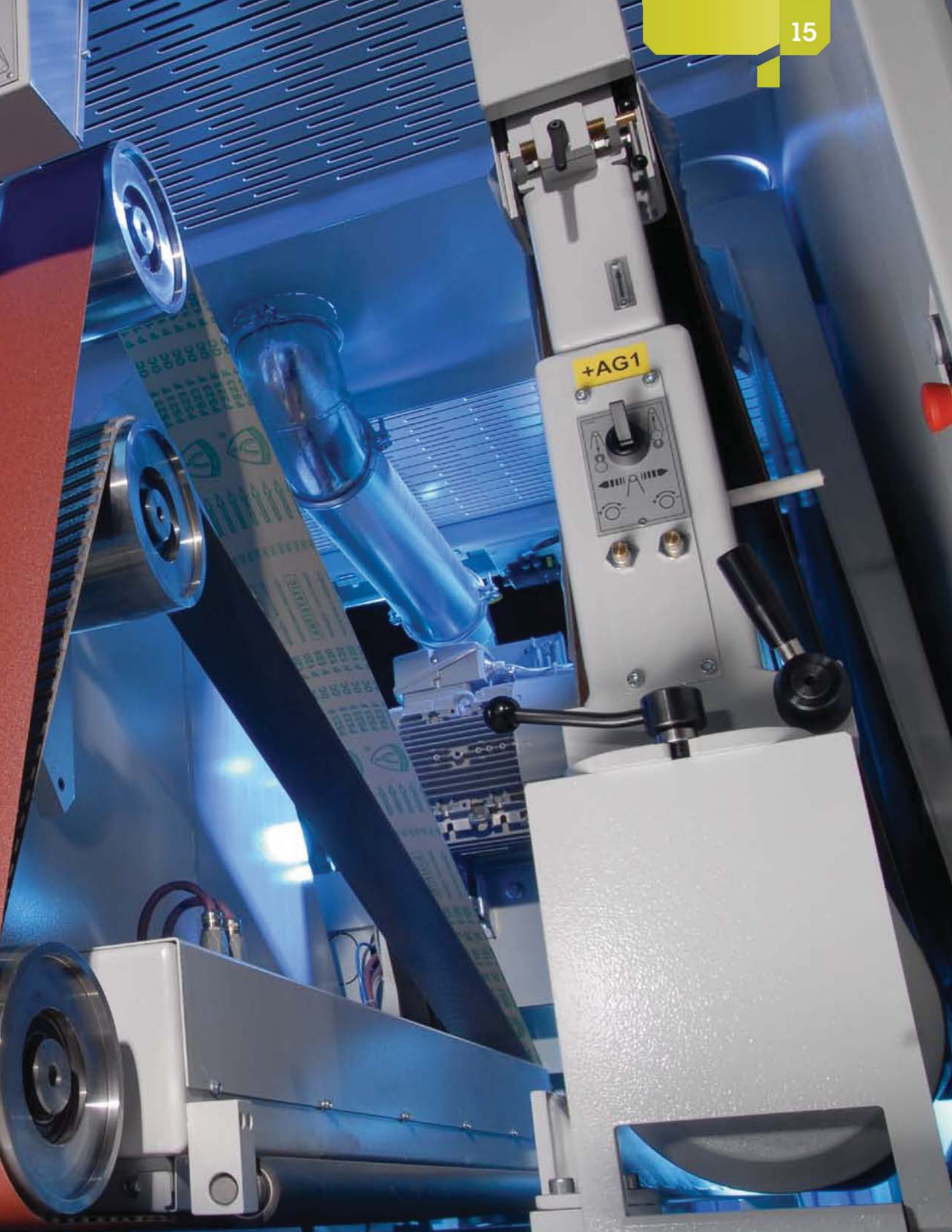
- Contact roller
- Cross belt
- Combined station
- Sanding pad station
- CBF version
- "X-Schliff"
- Planetary head
- Texturing brush

SANDING TECHNOLOGY TO MEET THE HIGHEST STANDARDS.

Whether wide belt, cross, or “X-Schliff”:

WEBER meets the toughest requirements for perfect surface quality with up to 4 sanding stations and the WEBER CBF sanding technology.





WEBER LCE

Complete WEBER sanding technology for a perfect finish every time



WEBER wide belt sanding

For perfect sanding results

The contact roller is used in the production of plain surfaces, what is also known as calibration. The spiral-shaped, grooved roller guarantees the highest degree of precision and enables large chip removal and ensures a long service life as well. The sanding pad serves to ensure improved surface quality - with solid wood and veneers. The segmented version of the sanding pad with electronic control can process tolerances up to 2 mm with the highest consistent quality.



WEBER cross sanding

For surfaces with reduced fibres

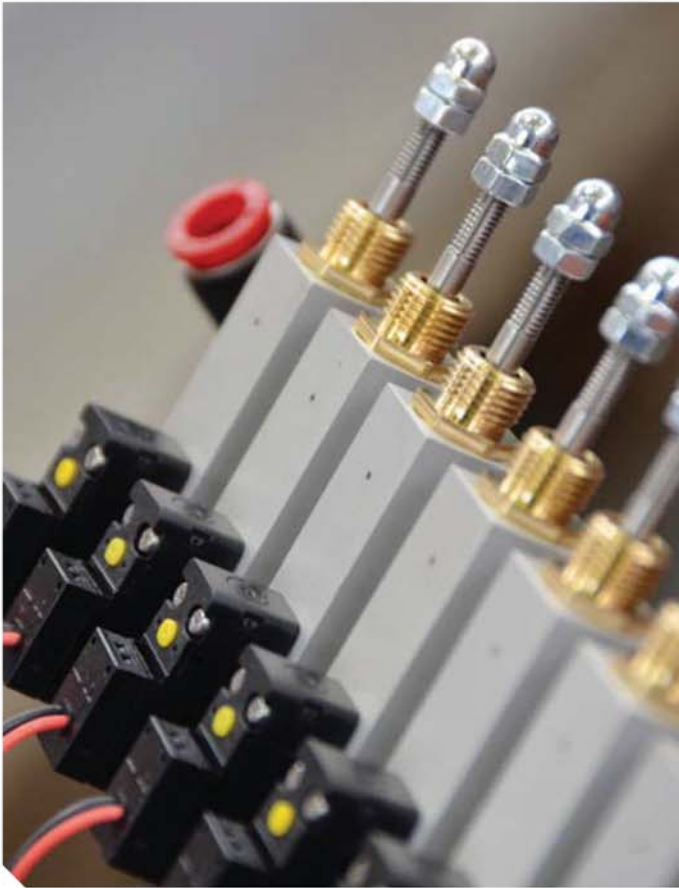
Automatic cross sanding machines for the skilled trades have a long tradition at WEBER. Cross sanding means that the first sanding is performed crosswise to the feed direction and subsequent finish sanding in lengthwise direction. The crisscrossing cutting motion offers advantages over multiple inclined or lengthwise sanding steps. The cross belt operates at a 90° angle perpendicular to the grain. As a result, the fibrous surface texture, which normally runs lengthwise, is divided into small sections and subsequent removal is simplified. This removal is subsequently carried out using one or more wide sanding belts. Due to the crisscrossing sanding directions, considerably fewer and shorter fibres remain on the surface.



WEBER "X-Schliff"

All sanding processes in one station

Flexibility is becoming more and more important. For this reason, WEBER "X-Schliff" offers all the sanding processes combined in a single station. The sanding station can be easily converted from wide belt to cross belt sanding. Thus, sanding processes can alternate between calibration, longitudinal or cross sanding or using WEBER CBF sanding technology. As today's requirements for various surfaces and lacquers call for different sequences of crosswise and lengthwise sanding, this new technology is able to respond to it. It enables lengthwise or crosswise final sanding, thus saving an additional machining station.



WEBER ISA/ISD segmented platen

For perfectly sanded edges

Uniform sanding pressure on edges and surface is prerequisite for achieving good sanding results. The solution from WEBER: freely movable pressure pieces that are affixed to the sanding lamella always position themselves automatically flush against the sanding belt, the necessary uniform pressure distribution on lengthwise and crosswise edges then occurs automatically. This prevents the interference of lateral forces on the actuating cylinder. The arrangement of the pressure pieces on the sanding lamella makes every additional contamination-prone guide unnecessary, allowing the system to operate completely maintenance-free. In addition, certain areas can be processed with different sanding pressures: a great advantage, among others, during lacquer intermediate sanding, where lacquer material tends to build up along the edges in certain application procedures.



WEBER CBF Sanding Technology

For smooth and even surfaces

A sanded surface free from chatter marks is an outstanding quality feature. WEBER has found the perfect solution in CBF technology. It operates with a crosswise running lamella belt situated internally within the wide belt station. The pressure lamellas continually interrupt contact to the sanding grains and thus prevent the sanding belt from leaving undesired chatter marks. The result: the surface is perfectly smooth and even. At the same time, the continually changing force prevents the surface from heating up and the sanding belts from sticking during the processing of lacquered and plastic surfaces. Similar to a cross sanding unit, the lamella belt operates without a control system, it retains the full tolerance compensation of the sectional pressure beam, wears evenly, and is economical to replace.

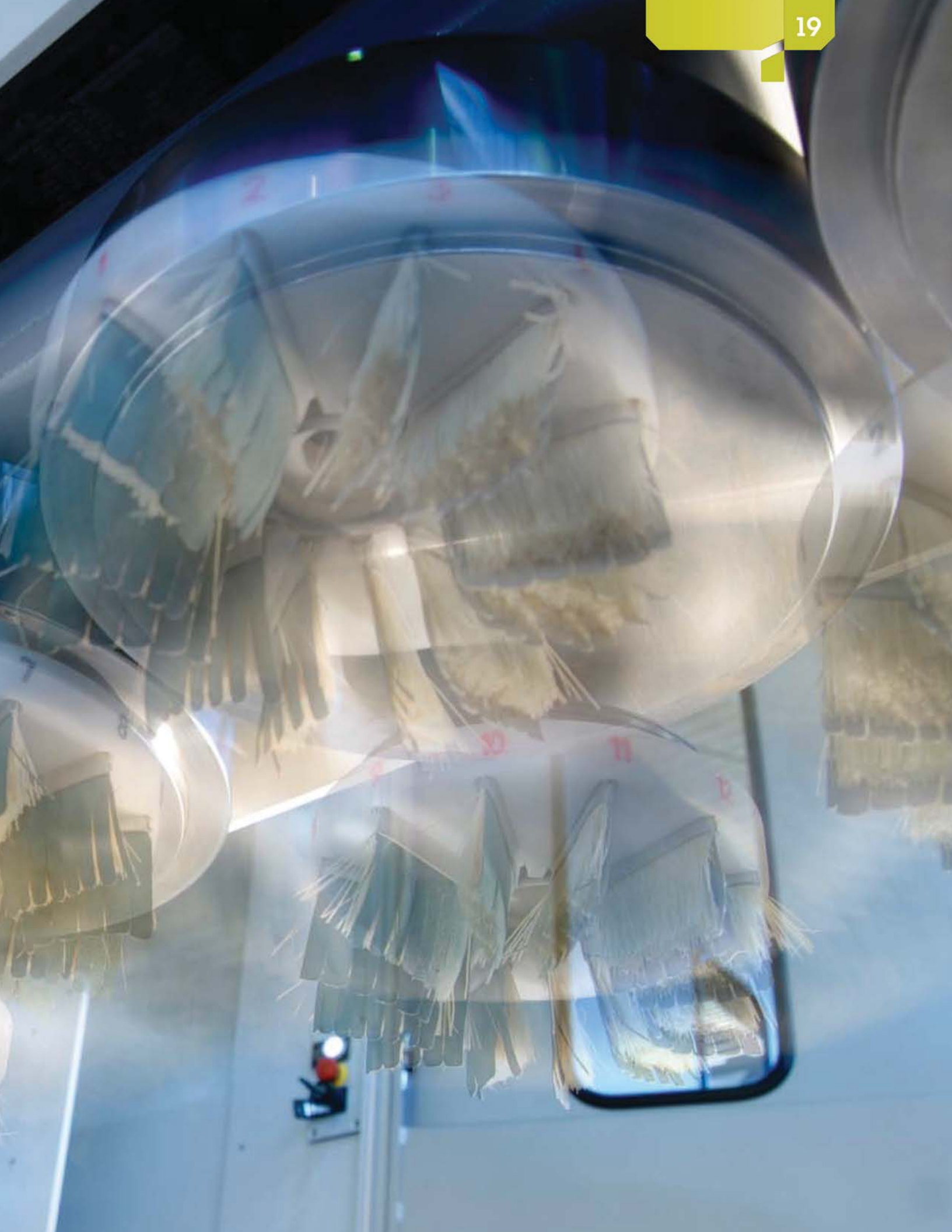
BRUSHING TECHNOLOGY FOR PERFECT FINISHES.

Whether planetary head, texturing brush or round

brush: with its sophisticated brush technology

WEBER achieves the best prerequisite for a flawless
surface.







WEBER LCE

Sophisticated brush technology for the best surface quality



WEBER planetary head

For a uniform finish

With the planetary head technology WEBER is setting new standards in sanding quality. This patented head guarantees a perfect surface regardless of direction of wood fibre or shape of work piece whereby all edges are equally broken during passage. It is also possible to process 3D – surfaces, radius and profiles. During the subsequent lacquering process the wood fibres practically do no more raise up which finally results in lacquer saving and better surface quality.



WEBER texturing brushes

For textured surfaces

Texturing brushes are used for texturing wood surfaces. The brushes remove softer areas from the wood surface and a ridged surface emerges. For coarse textures metal wire brushes are used, while brushes with abrasive plastic bristles or sanding brushes are used for subsequent smoothing.



WEBER brush units

For perfect surfaces

The cross brushing units are used for improving surface quality and for bevelling lengthwise edges. The round brushing units are used for smoothing the surface and for crosswise edging.

WEBER LCE

Precise control, intuitive operation



WEBER "i-Touch" and WEBER Matrix

For intuitive operation

A rotary knob known as the "i-Touch" makes navigating through the most important functions on the coloured touch panel truly child's play. All sanding parameters such as e.g., sanding belt speed, feed speed and workpiece thickness can be directly accessed and operated via the "i-Touch" controller. Only the information necessary for the current operation is displayed in the matrix representation. In addition to the main function, direct access to saved programs is also possible. The operator simply selects the desired type of processing. The machine adjusts itself completely at the single push of a button.



WEBER control system

Perfect sanding results at the push of a button

The WEBER LCE automatic sanding machine comes standard equipped with a high quality 8" touch operating terminal in colour mode and is based on the Siemens S7 control system. The graphic operating terminal makes operation easy and efficient. All settings can be made and stored at the operating terminal. Integration in higher ranking control systems or interlinking with other machines is no problem.

- Simple operation due to graphic support
- 8" screen (optional 10.5")
- 300 program memory spaces
- External data backup (optional)
- Error diagnosis

WEBER LCE compact

WEBER LCE compact Automatic sanding machine

The special model **LCE compact** offers sophisticated WEBER LCE technology in a standardised package at an attractive price. Just as with the LCE series, the LCE compact guarantees perfect sanding results and meets the highest standards for the skilled trades.



1100 mm

1350 mm



1 to 2 sanding stations

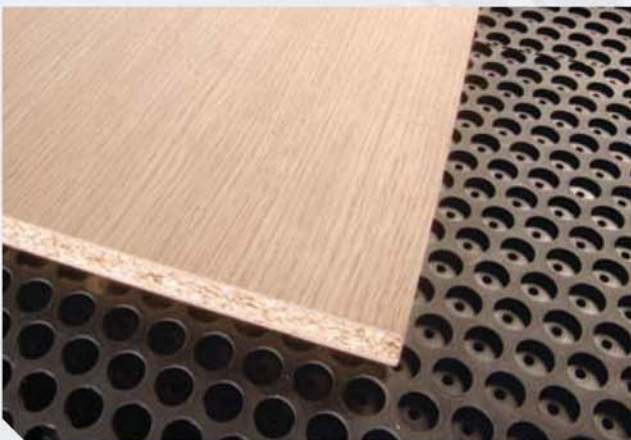
- Operating widths 1100 and 1350 mm
- Version with 1 to 2 sanding stations
- Table extension with rollers at the infeed and outfeed
- CBF technology



WEBER ES workpiece blow-off unit

Targeted and energy-saving dedusting

After sanding, it is imperative that dust is removed from the surface. Mechanical solutions such as dust brushes only inadequately accommodate the existing part tolerances. The WEBER ES workpiece blow-off unit solves this problem simply and elegantly. The workpieces are blown-off by a succession of self-propelling compressed air propellers that are only activated directly in the workpiece area. This limits compressed air consumption to a minimum.



WEBER vacuum blower

For precisely positioned workpiece transport

The vacuum version of the table can be used for better and more secure workpiece transport. To this end, the conveyor belt and transport table are perforated. A high performance blower creates a vacuum in the table body and draws the workpieces to the conveyor belt with suction. This increases the adhesion to the conveyor belt and transports the perfectly positioned workpieces through the machine.



WEBER dust brushes

For precisely positioned workpiece transport

Dust brushes at the machine outfeed clean the remaining sanding dust from the sanded workpieces. A dust-free surface is prerequisite for subsequent lacquering.

WEBER SANDING TECHNOLOGY

- Contact roller
- Combined station
- CBF version
- "X-Schliff"

Quality from Upper Franconia

The tradition-rich company has existed for over 100 years and has manufactured sanding machines from the very beginning. The name WEBER is synonymous with innovation and high quality machine construction.



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