

## WEBER LCS

Wide Belt Sanding Machine

## WEBER KSN compact

Automatic Sanding Machine



**1913**

WEBER works according to a over 100-year-old tradition and experience in building sanding machines.

**1955**

For over 60 years, WEBER has been producing drum sanders

**2018**

These days, WEBER sets new standards in the field of sanding technology with its 6 model range

# 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.

## Future – right now at WEBER's “Highest efficiency, best quality”

Sanding machines made by WEBER are characterized by the highest quality level possible – this is our tradition. The new design of WEBER machines goes one step further: comprehensive modular design, maximum energy efficiency and high industrial quality are our top priorities. These targets have been implemented consistently in the **WEBER KSN** automatic sanding machine.



From solid wood to high-gloss finish – WEBER satisfies the most exacting of requirements with regard to wood, veneer and lacquer sanding.



WEBER is a member of “Blue Competence”, an initiative launched by the VDMA (Verband Deutscher Maschinen- und Anlagenbau) [www.bluecompetence.net](http://www.bluecompetence.net)



Enhanced efficiency thanks to the recently developed sanding dust evacuation system. Optimized routing of the air flow reduces the extraction power required by over one-third. In conjunction with additional technical features, WEBER is a frontrunner regarding conscientious handling of resources.

### WEBER modularity

Joiners, panel manufacturers and the furniture industry have very different needs. New materials and new designs often demand new manufacturing processes. WEBER has a convincing answer to these continuously varying requirements. Thanks to the consistently modular design of the machines, WEBER always provides the appropriate solution to your problem: perfectly sanded surfaces.

### WEBER maximum energy efficiency

The economical use of resources is the top priority. WEBER fulfills these requirements in both electrical and mechanical areas. The sanding belt drives made by WEBER are equipped with motors of enhanced efficiency, the main drives featuring “Eco Drive”. Work-piece cleaning and sanding belt blow-off, both controlled by the workpiece concerned, help save expensive compressed air.

### WEBER Green Technology

Today, one of the biggest challenges is to use resources conscientiously. Thus, WEBER optimizes material efficiency in all fields of sanding technology. The CBF sanding technology for example reduces sanding belt use thanks to enhanced service life, in conjunction with demanding sanding jobs.



## WEBER LCS

For perfect sanding results

### 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.



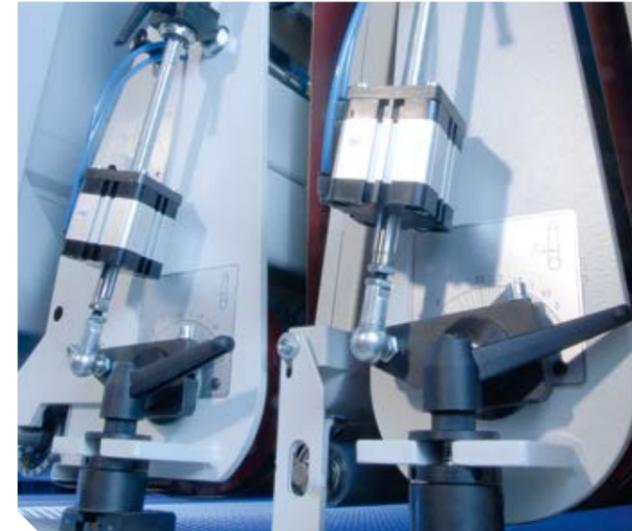
1100 mm

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 wide belt sanding

For uniform sanding quality

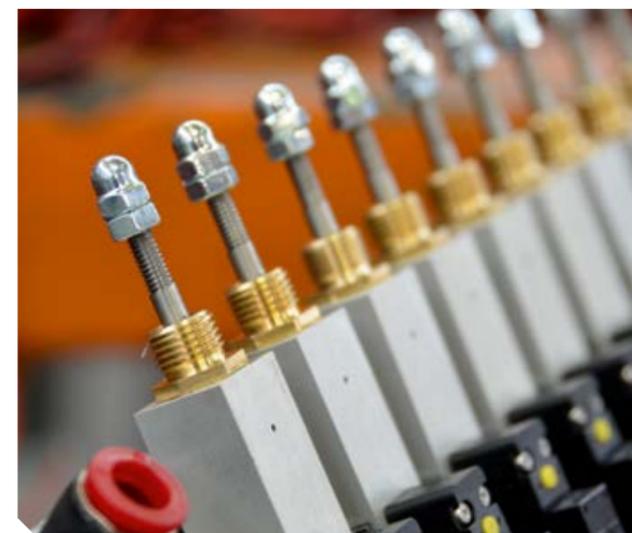
The contact roller is used in the production of plain surfaces, what is also known as calibration. The spiral-shaped, grooved roller guarantees the highest degree of precision and enables large chip removal as well as ensures a long service life. The sanding pad serves to ensure improved surface quality - 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.



### 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 KSN compact Wide Belt

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



1350 mm



2 sanding stations

- Operating width 1350 mm
- Version with 2 sanding stations
- Calibrating roller drive up to 24 kW
- Sanding belt length 2150 mm
- Segmented platen ISA
- Automatic workpiece thickness setting
- Universal sanding lamella
- Table extension with rollers at the infeed and outfeed
- CBF technology

### WEBER SANDING TECHNOLOGY

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



## WEBER KSN compact

### Cross Sanding

The special model **KSN compact** is also available as cross sanding for highest surface quality. The automatic sanding machine offers the technique of big industrial machines in compact dimensions. The **KSN compact** guarantees perfect sanding results and meets the highest requirements for artisans.



1350 mm

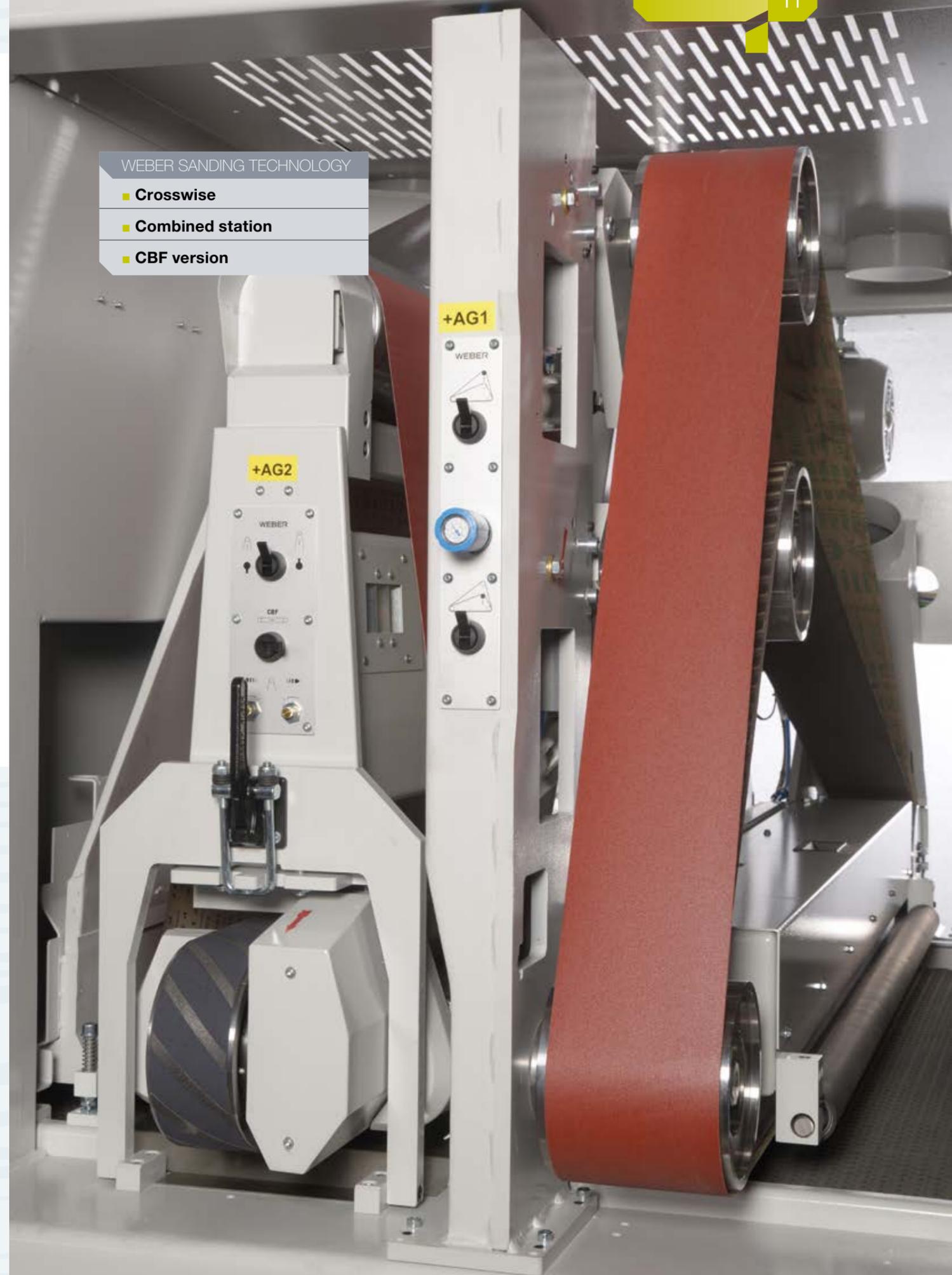


2 sanding stations

- Operating width 1350 mm
- Version with 2 sanding stations
- Calibrating roller drive up to 24 kW
- Sanding belt length 2150 mm
- Segmented platen ISA/ISD
- Automatic workpiece thickness setting
- Universal sanding lamella
- Table extension with rollers at the infeed and outfeed
- CBF technology

#### WEBER SANDING TECHNOLOGY

- Crosswise
- Combined station
- CBF version



Fully developed WEBER sanding technology at an attractive price



## 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 ISA/ISD segmented platen

For perfectly sanded edges

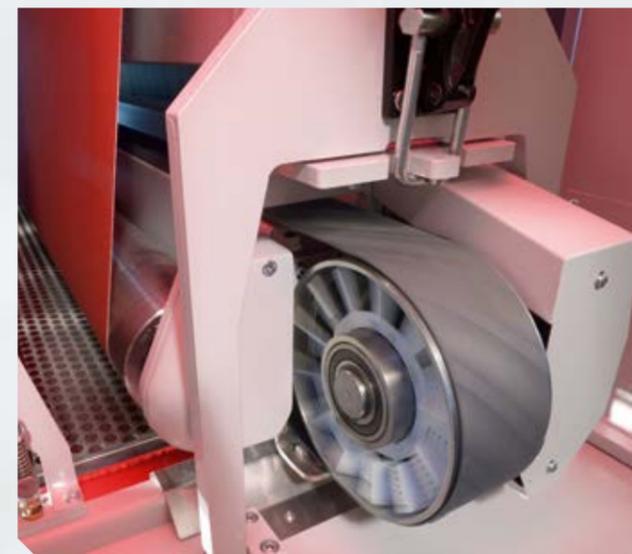
Uniform sanding pressure on edges and surface is prerequisite for achieving good sanding results. The solution from WEBER: freely movable pressure pieces that are affixed to the sanding lamella always position themselves automatically flush against the sanding belt, the necessary uniform pressure distribution 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 intermediate lacquer sanding, where lacquer material tends to build up along the edges in certain application procedures.



## 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 CBF Sanding Technology

For smooth and even surfaces

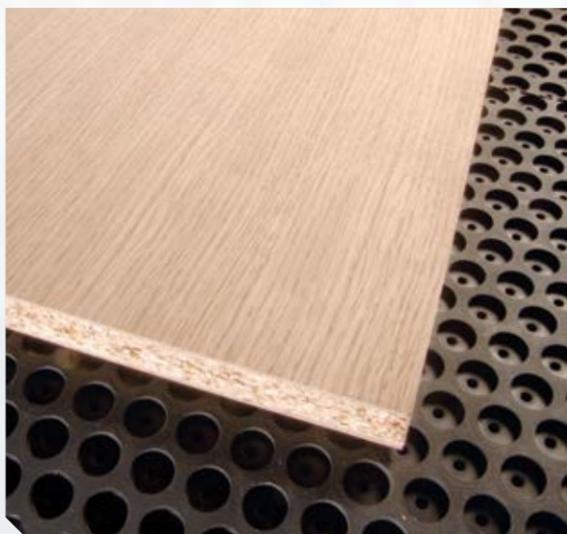
A sanded surface free from oscillation marks is an outstanding quality feature. WEBER has found the perfect solution in CBF technology. It operates with a crosswise running lamella belt situated internally within the wide belt station. The pressure lamellas continually interrupt contact to the sanding grains and thus prevent the sanding belt from leaving undesired oscillation 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.



### WEBER ES workpiece blow-off unit

Targeted and energy-saving dedusting

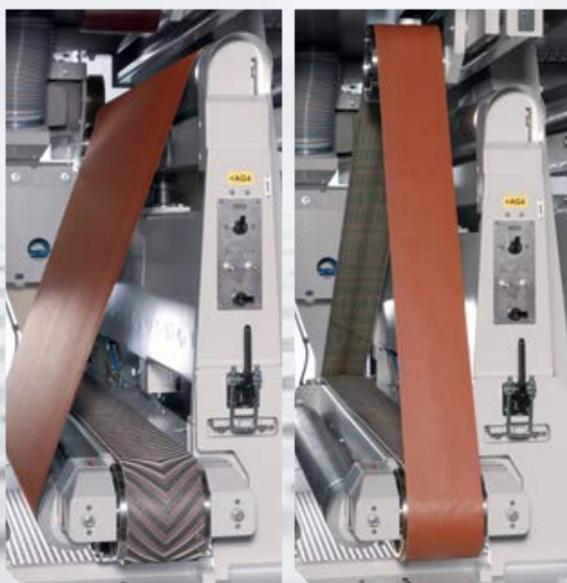
After sanding, it is imperative that dust is removed from the surface. Mechanical solutions such as dust brushes only inadequately accommodate the existing part tolerances. The WEBER ES workpiece blow-off unit solves this problem simply and elegantly. The workpieces are blown-off by a succession of self-propelling 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 "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.



### Automatic workpiece thickness measurement

For even more efficient operation

Another aspect of the high quality of WEBER sanding technology is also efficiency and economy. Thus, the WEBER KSN compact convinces right down to the minutest detail with sophisticated solutions exceeding sanding alone.



### WEBER "i-Touch" controls

For intuitive operation

The WEBER KSN compact automatic sanding machine comes standard equipped with a high quality 9" touch operating terminal. The graphic operating terminal makes operation easy and efficient. All settings can be made and stored at the operating terminal. The "i-Touch" controller can guide you intuitively through the most important menu functions. All sanding parameters, e.g. sanding belt speed, feed speed and workpiece thickness can be directly accessed and operated.

- 9" Siemens Touch Screen
- 300 program memory spaces
- Error diagnosis
- Optional:
  - Remote maintenance

## Quality “Made in Germany”

Our company, rich in tradition, can look back on over 100 years of sanding machine manufacturing.

The WEBER machine works are synonymous with innovation and high-quality machine construction.



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**WEBER**