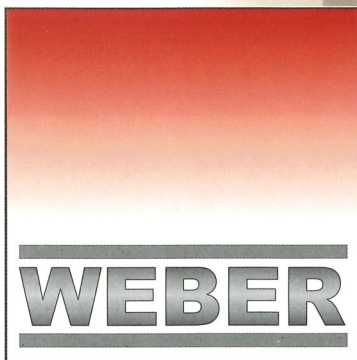




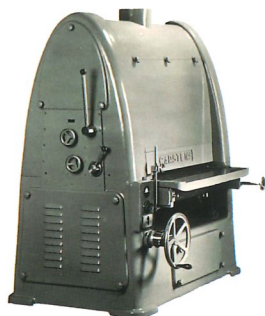
# WEBER 2000



*Future Technology  
Today!*

# WEBER – sound sanding quality has a name

In the year 1922 the founder of the company, Hans Weber, laid the foundation for a new factory building in order to better comply with the increased demand for his sanding machines. At that time, he had been designing and manufacturing drum sanding machines in his home



town of Kronach, he became rapidly known in the wood-working industry because of quality of his machines. These machines were exported to various countries even at that time. The reason for the success of these sanding machines was the company philosophy, which applies to this day – sound design, reliability and technical innovation. In 1955 this philosophy resulted in the manufacture of the first wide-belt sanding machine, which was already equipped with a combination station with contact roller and a controlled sanding platen.

In 1985 WEBER developed an electronically controlled segmented pressure platen with a unique operating principle. It was patented and continues to meet highest requirements even today. It was introduced into the market as MCS SYSTEM and supplemented with the ISA SYSTEM, which operates according to the same principle. All WEBER sanding machines for industry and trade are equipped with this technology, having set standards in operation and quality sanding result.



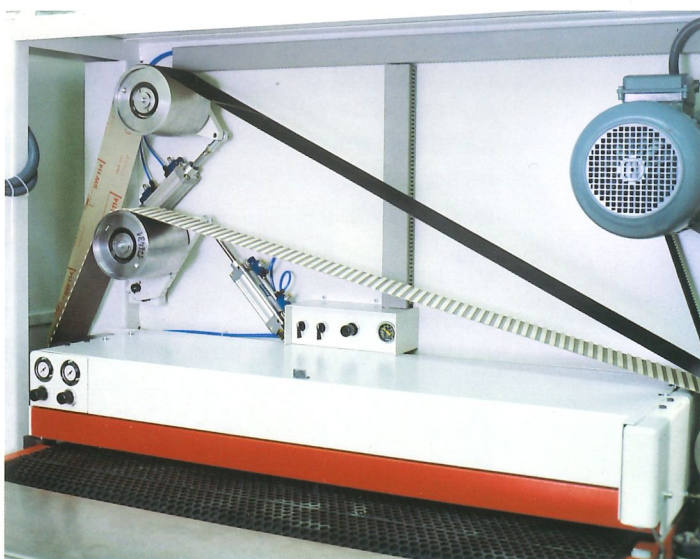
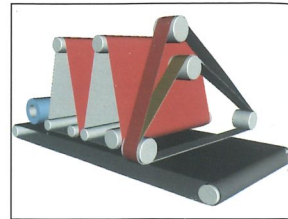
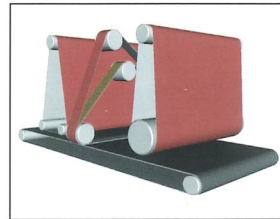
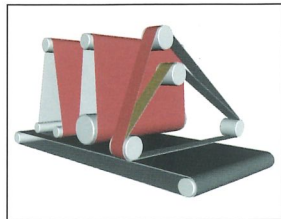
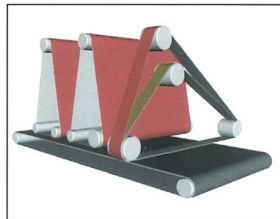
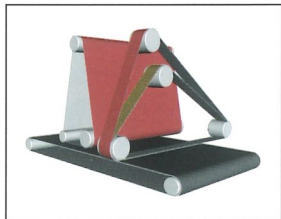
## WEBER 2000 – the compact solution with all versions

Today, requirements in wood shops must come up to or exceed the existing industrial standards for quality sanding. For this reason it is usual to equip these sanding machines with an electronic segmented platen, while pre-sanding and finish sanding is also required. When replacing or buying new sanding machines often a multiple head polisher is decided upon, especially if emphasis is on surface polishing.

WEBER, in response to this has developed the series WEBER 2000.

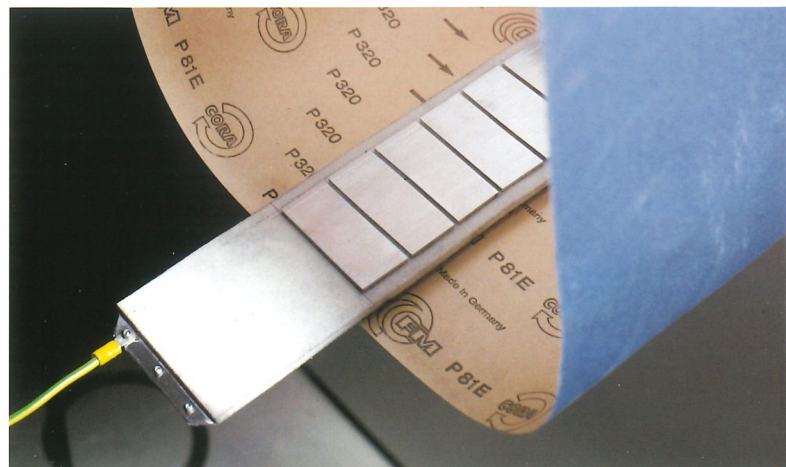
A step in the future was the incorporation of the cross sanding technique for this group of customers at an attractive price-performance ratio. The concept of this series is strictly orientated along customer needs. Therefore it is designed on a modular base and can comprise up to four working heads. The constant passeline helps to process heavy and large workpieces. The series WEBER KLE 2000 combines ease of operation and high quality sanding technology with an extremely compact machine design requiring minimal floor space.

# KLE – cross sanding



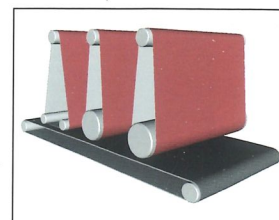
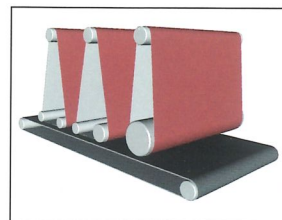
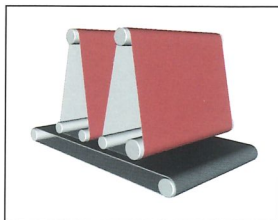
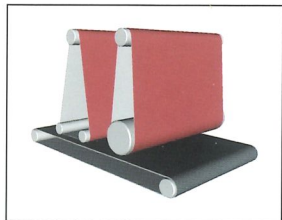
## Cross sanding – the best fine sanding finish

A high-quality sanded surface is defined by two criteria today, low roughness and minimal residual wood fibres on the surface. Modern finishing systems can only offer peak efficiency when this surface is present and seal sanding becomes fast and easy. Cross sanding machines always operate with at least two sanding belts for the best sanding finish, the first one of which always works across the grain. The next belt is with the grain, leaving the surface clearly more uniform and more regular. The WEBER ISA segmented platen system achieves the desired quality even with one cross belt and one wide belt. Therefore the automatic cross sanding machines of series KLE 2000 are an economical alternative to several special purpose machines.



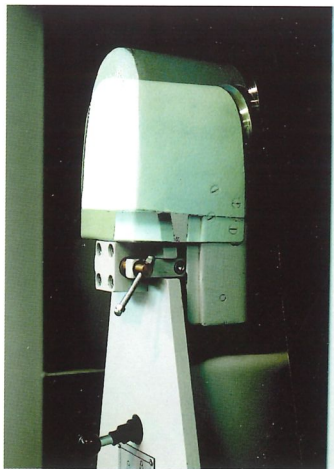
Automatic workpiece thickness measurement (AWTM)  
Universal lamella tensioning roller

# LCE – wide belt



## Is cross sanding always better?

Deciding if you need cross sanding is determined by how many parts are to be polished and/or lightly calibrated and/or finish sanded, simultaneously in one pass. The compact, automatic KLE 2000 with a cross belt and combination wide belt provides the ideal solution, with an emphasis on a perfect finish. A single or double wide belt machine is adequate for many smaller operations because they usually have a low amount of sanding work. It provides the same operating ease as the multiple-belt/cross belt machines and is able to achieve similar, positive results through multiple pass sanding. The multiple sanding head machines are available in all combinations from fine finish sanding with cross belt(s) and wide belt(s) to close tolerance calibrating with contact roller(s).



Free-moving tensioning rollers

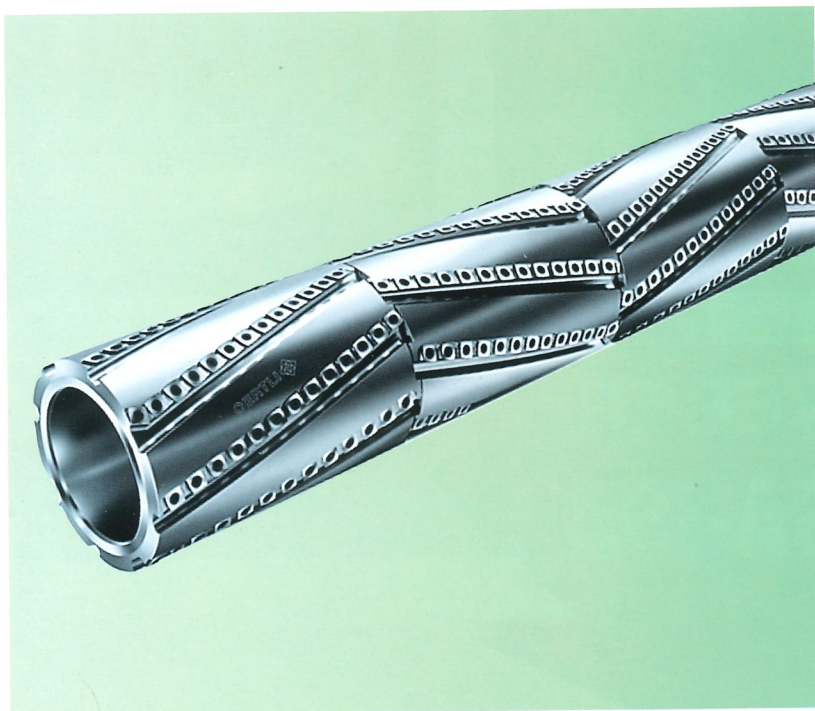
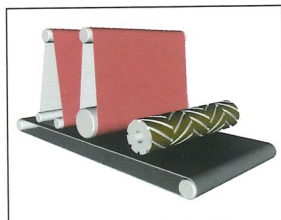
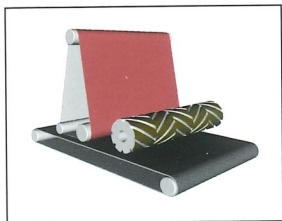


Infeed and outfeed table



Steel contact roller

# H 2000 – planer



## Knife Planer t/b

High cutting performances using sanding belts can only be achieved with high horsepowers and several contact rollers. The alternative is the use of a knife planer. It achieves cutting performances similar to contact rollers with greatly reduced horsepower. It is installed as the first station in a sanding machine.

Depending on the required quality, this is followed by one or two sanding belts. The knife planer head is easily accessible and can therefore be checked and maintained without problems. Time-consuming removal of the entire knife assembly is not necessary.



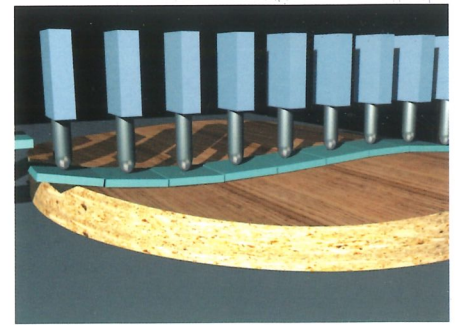
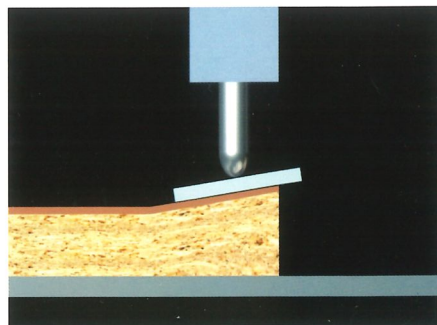
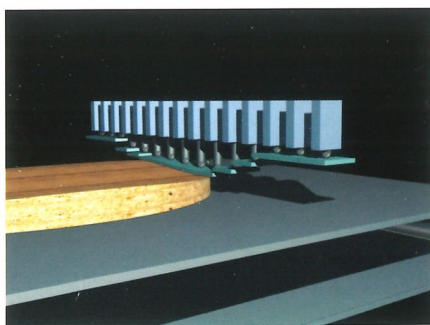
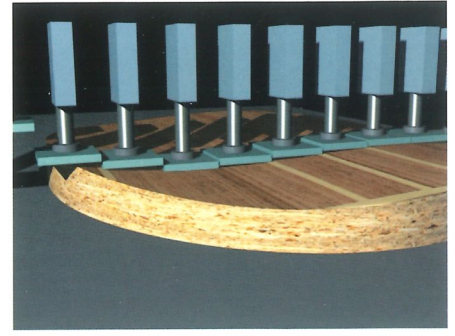
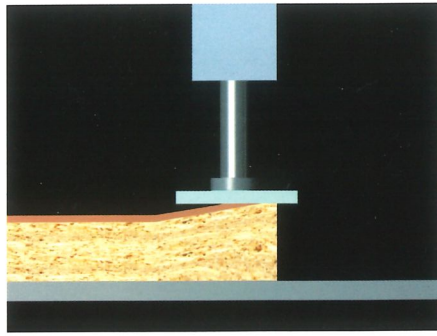
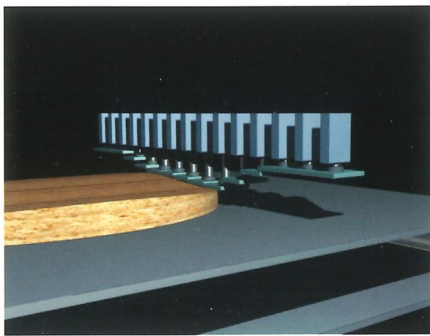
Vertical  
adjustment  
screw



Knife planer with  
kickback protection

# WEBER – The Difference

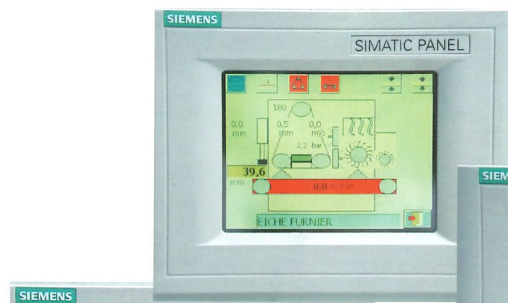
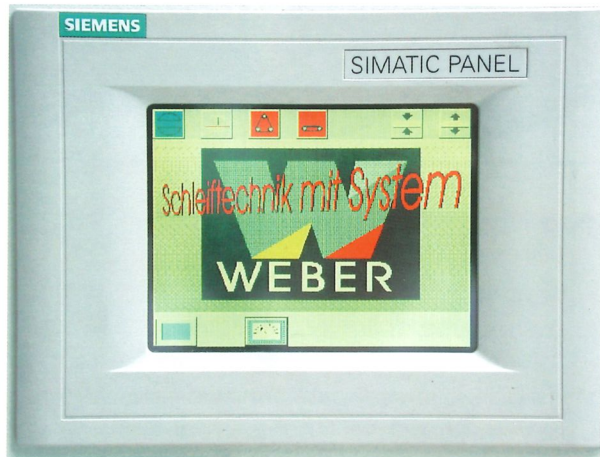
## Standard Platen Design



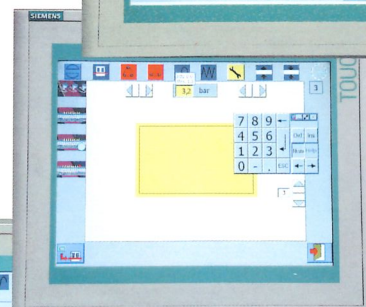
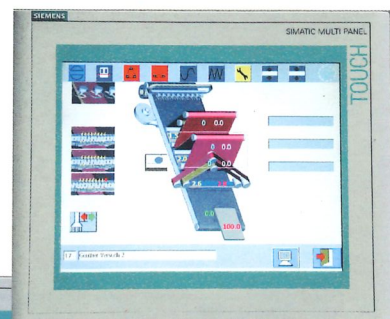
High quality veneer sanding has to produce a mark and shadow free finish even on panels that are warped or vary in thickness.

The WEBER ISA-ISD design provides the desired results. Patented WEBER technology uses a universal lamella for easy operation. Patented WEBER segmented platens dramatically lower your service and routine maintenance costs.

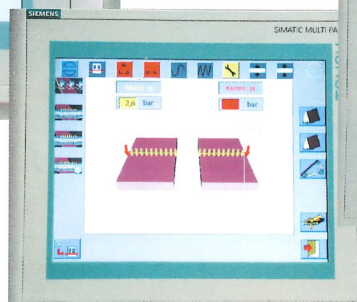
# WEBER 2000 Operation



The complete electrical machine control system with the touch terminal includes the preselection and setting of all electrical drives; setting, storing and processing of different sanding programs; setting and preselection of feed and cutting speeds; control and selection of the optional devices and additional possibilities for workpiece thickness setting.



Complex systems are equipped with easy to use, larger touch screens.



# For special use



The WEBER 2000 series is also constructed as a sanding machine, which sands from below. Therefore, the WEBER 2000 series can be designed as a sanding machine line sanding from both sides with a constant operating height and direct material transfer of both units. All sanding techniques up to combined longitudinal/cross sanding can be provided. The machine line is operated from a central control console.







# WEBER

## Tradition and Innovation



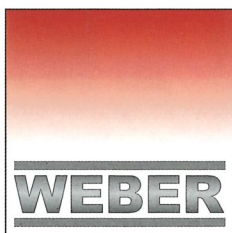
### Quality from Upper Franconia

The WEBER factory is based in the Upper Franconian town of Kronach. The well established company has been in existence for more than 80 years and has been a manufacturer of sanding machines the entire time. WEBER stands for innovation and high-quality machine construction.



More than 300 employees at two locations in Kronach work in administration and production. Design covers mechanics, electrics and electronics, while manufacture comprises all necessary machining processes.

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