

Wide Belt Sanding Machine WEBER KSN-4-1350 (CMCP2)

with three sanding belts and one planetary head for calibrating, veneer and lacquer sanding. With constant pass-line

NEW machine special built for your needs in Germany



Specification of standard version

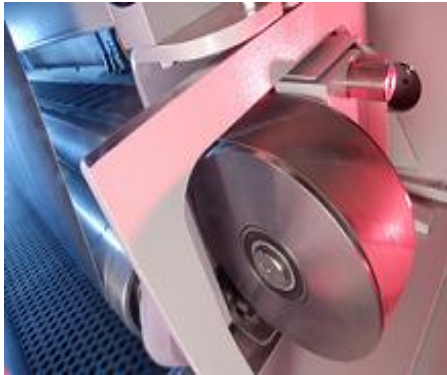
Head 1:



Cross belt with

- pressure lamellar belt with pneumatic tension roller
- ISD-segmented platen system with **22 mm** panel scanning and **44 mm** pressure piece width
- **lacquer package including frequency converter and sanding belt blowing-off unit**

Head 2:



CBF - Dual Action Head:

- grooved **rubber** contact roller Ø 130 mm, **60 Shore**
- mechanic adjustment of the contact roller for grain compensation
- pneumatic lifting of the contact roller
- elektronically controlled segmented platen **with ISA-System 22/22**
- combined with a cross running lamellar belt and separate drive 3,0 kW
- **lacquer package including frequency converter and sanding belt blowing-off unit**

Head 3:



Cross belt with

- pressure lamellar belt with pneumatic tension roller
- ISD-segmented platen system with **22 mm** panel scanning and **44 mm** pressure piece width
- **lacquer package including frequency converter and sanding belt blowing-off unit**

Head 4



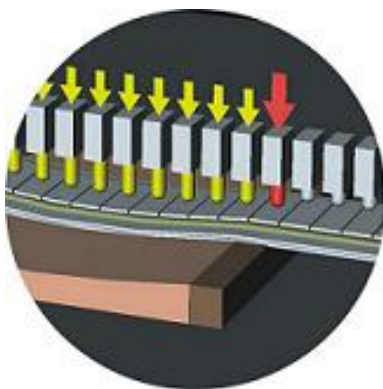
Planetary Head with

- 6 units with each 2 tools cover:
- sanding heads with quick change device
- drive 3,9 kW – number of revolution frequency controlled
- speed 300 - 1280 U/min.



ISA (Intelligent Sanding Pressure Adjustment)

- patented segmented platen system with full tolerance compensation
- segments width **22 mm** (can be moved lengthwise and crosswise)
- universal pad for all sanding works (veneer and solid wood sanding, you do not have to change the sanding pad)
- tolerance compensation +/- 1 mm
- high-resolution panel scanning with one sensors per segment
- ability to feed complex part shapes
- possibility of multiple feed with minimum lateral distance
- individual adjustment of the sanding pressure at all edges
- sanding pressure can be adjusted via pressure controller
- sanding start and stop feed controlled by encoder



ISD segmented platen system

- As ISA however additionally with
- individually adjustable pressure for the edge zone (higher or lower) alternatively on outer edge only resp. outer and inner edges longitudinal and transverse edges or longitudinal edges adjustable only



WEBER AWDM

- automatic thickness adjustment on machine inlet with starting switch
- for easy measurement of long workpieces
- programmable delivery
- automatic feed Start/Stop control



WEBER i-Touch operation simply and directly A rotary knob to navigate through the most important functions

All sanding parameters e.g. sanding belt speed, Feed speed and workpiece thickness can be adjusted directly via rotary knob.



Touch Operating terminal TP1200 Comfort

- graphic operation guidance via **12" colour screen**
- programme memory with **300** programmes
- adjustment of all parameters via the programme

Workpiece Cleaning



Workpiece blowing off unit - with WEBER ES system
energy-saving workpiece controlled workpiece cleaning

- Drive**
- sanding belt speed of 2-18 m/s for excellent sanding
 - free wear-resistant D.C. injection braking
 - self-tensioning belt drive

- Belt Control**
- automatic compensation for individual sanding belt variations
 - optical sanding belt scanning, self-cleaning, on the belt changing side
 - precise adjustment of the oscillation on the belt changing side
 - belt run-off switches on the left- and right-hand side

THICKNESS

- switching roll on machine inlet with following functions:
- automatic lifting of contact drum and link pressure beam
- feed switch off

Infeed

- rubberized and spring-mounted pressure rollers in front of and behind the sanding station
- safe panel transport of multiple feeding by means of pressure pads with tolerance compensation
- high-quality conveyor belt made of natural rubber
- vacuum version of transport belt, **with 1 vacuum blower frequency controlled and performance controlled vacuum and one vacuum channel**
- variable feed speeds 2-12 m/min. for calibration and finish sanding
- extension tables of 400 mm at the infeed and outfeed with rollers

Technical Data:

Operating width:	1350 mm
Drive sanding head 1 (frequency controlled):	15,0 kW
Drive sanding head 2 (frequency controlled):	19,0 kW
Drive CBF:	4,0 kW
Drive sanding head 3 (frequency controlled):	15,0 kW

Drive planetary head 4 (**frequency controlled**): 3,9 kW
Drive feed: 2,0 kW
Drive height adjustment: 0,55 kW
Drive vacuum blower: 5,5 kW
Sanding belt speed heads: approx. 2 - 18 m/s
Planetary Head: approx. 300-1280 U/min.
Sanding belt dimensions:a) heads 1+3 (W x L):150 x 5100mm
b) head 2 (W x L): 1370 x 2620 mm
Panel thickness (min./max.): 4-200 mm
Pass-line (constant): 900 mm
Feed speed: 2-12 m/min
Connection compressed air: R1/2 bar
Operating voltage: 3 x 460 Volt/60 cps
Control voltage: 24 V DC
Wiring: according to IEC-guidelines
Painting: Frame top and metal paneling RAL 7035 light grey,
in feed and outboard table RAL 3001 red, frame bottom RAL 7024 Graphite
Safety equipment according to IEC-guidelines
Optimal air passage to observe the TRK-values, dust-proof
Safety equipment according to EC-guidelines / UL Wireing
All rights for technical changes withheld. Individual machines shown could include options.