Sanding

Flexible Solutions for

Wide Belt Sanding Machines

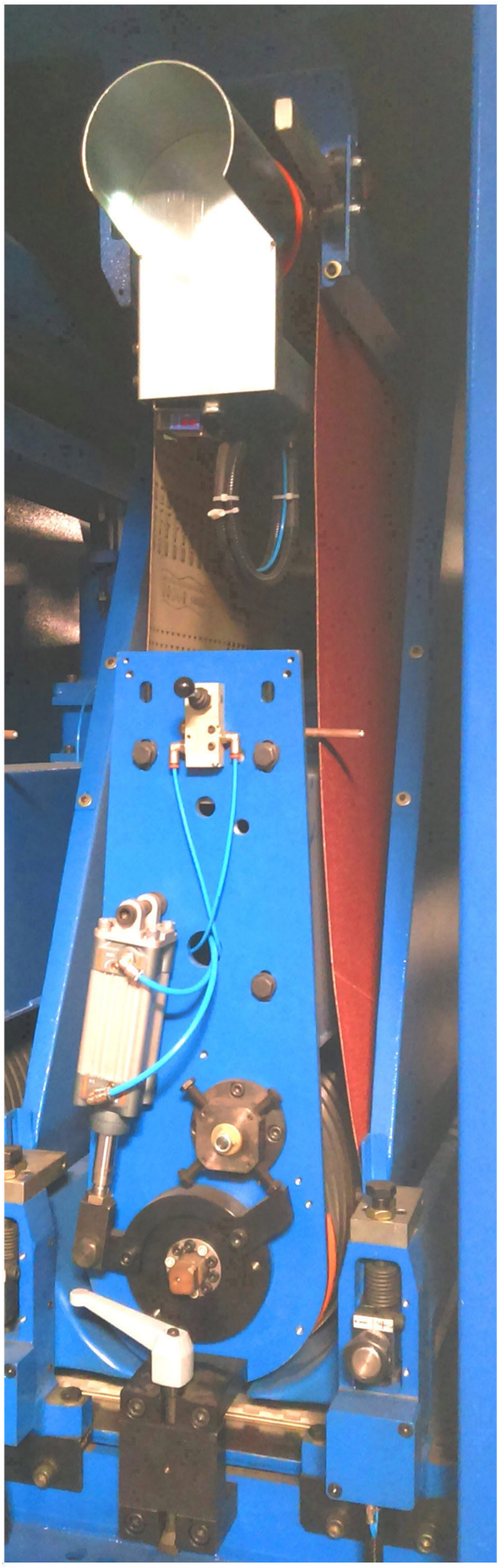
S6 WCT 1350 / S6 WCC 1350

Heavy Duty Calibrating Machine with
Planer Head for Solid Wood Boards

COSTA LEVIGATRICI

Wide belt Sanding Machines

C25 - Cylinder

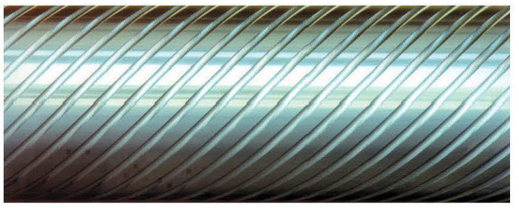


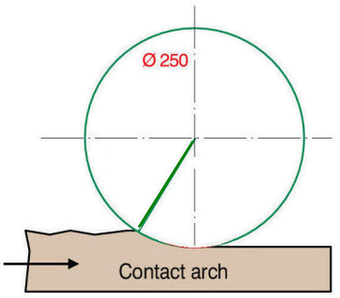
C25

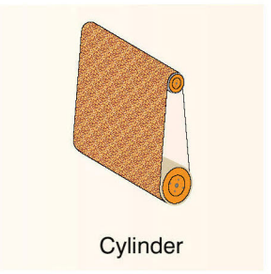
You can have rubber covered or steel surface cylinders depending on utilization at same cost.

The rubber hardness determines the level of adaptation of the sanding action of the cylinder on the panel surface in white-wood/lacquer sanding operations.

A soft rubber covered cylinder has more adaptability to the unevenness of the surface therefore is preferred for veneer-lacquer sanding operations, while a hard rubber cylinder has less or no adaptability to the surface (thus better for calibrating operations).







For calibrating a smaller diameter cylinder is more aggressive, the angle of contact is more open, the surface of contact is narrower, this means less fritction and more take away.

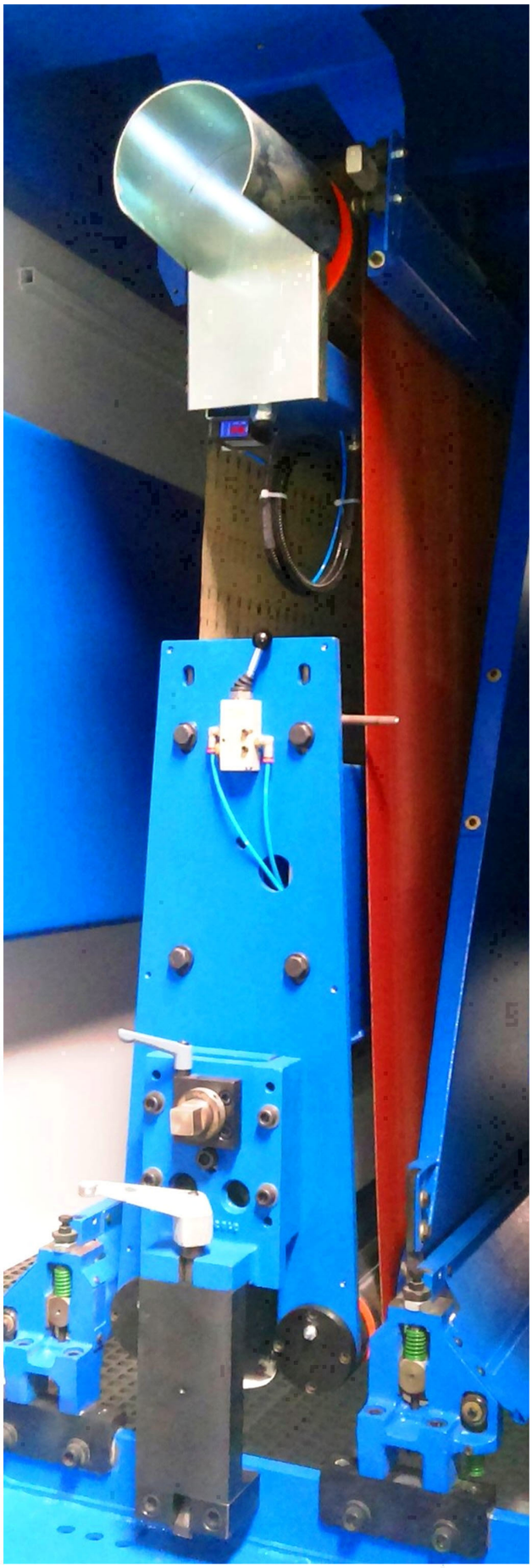
GSE Electronic Grit-Set (optional)

Centesimal positioning of the working level of the cylinder unit.
Exclusion of cylinder in emergency (stand-by)

GSP Pneumatic Grit-Set (optional)

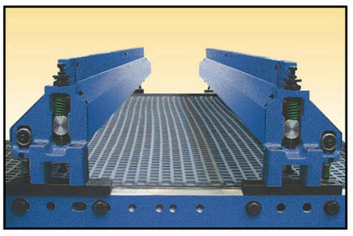
To position by pre-set steps the working level of the cylinder unit. - Exclusion of cylinder in emergency (stand-by)

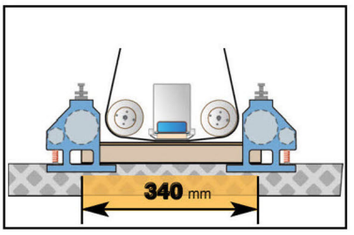
T - Pad

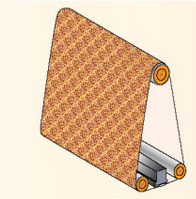


Pressure units

The safe traction of the work-pieces is determined by the rigidity of the pressure units; at same time these units must be able to adapt to thickness variations of work-pieces, this is the reason why we link them with springs / pneumatic pistons to the machine frame, to be rigid or flexible depending on mode of utilization (calibrating or fine veneer-lacquer sanding).

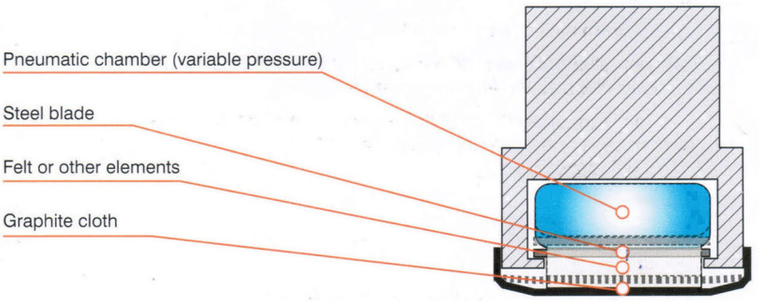





Pad

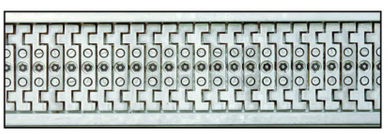
Pneumatic PAD

The pneumatic pad units press on a steel + felt + graphite contact elements in contact with the back side of the sanding belts and on-to the panel surfaces.
These pads utilize a wide air-chamber with variable pressure.



CA - Electronic controlled sectioned pads

This is the classic sanding unit for finishing the surface; they give an ideal protection of edges and corners of panels; the wide surface of contact is giving a flat look to the work-pieces surface. The sectioned pads with electronic control of the timing of intervention and of the pressures of utilization can compensate thickness and planarity differences up to 2 mm.

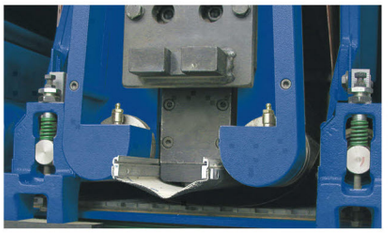


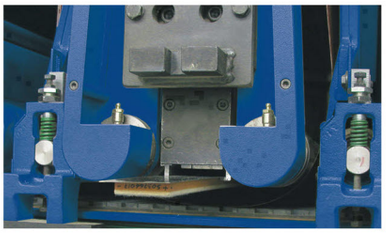
CA 16

pitch of sections 16 mm
n° 84 sections with a working width of 1350 mm

CA 32

pitch of sections 32 mm
n° 42 sections with a working width of 1350 mm



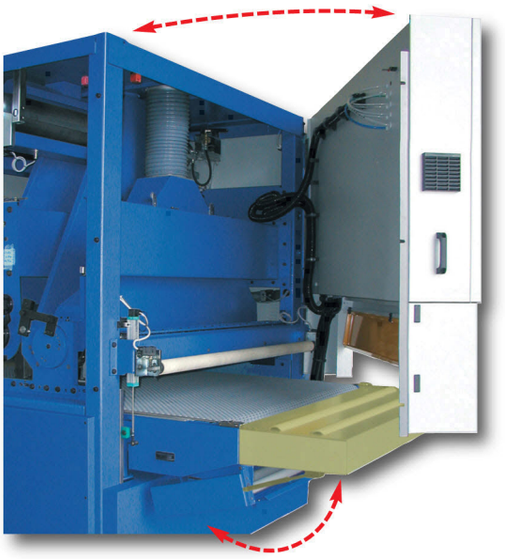


Quick - easy change of graphite cloth and inspection of the felt-rubber and of the steel blade inserts

Heavy Duty Calibrating Machine With Planer Head for Solid Wood Boards

W - Cutter

The planer head W180-8 has a diameter of 180 mm with 8 rows of tips, set helicoidally and with inclined cutting edge in order to have a smooth impact.



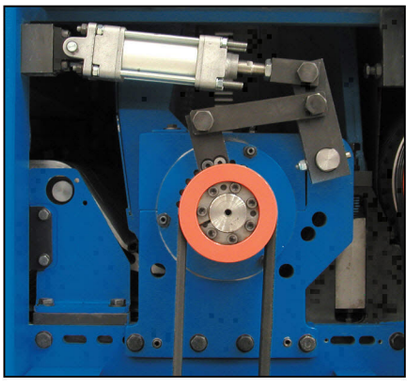
Many the advantages in processing of solid wood panels with W180:

- high amount of take away (impossible with sanding belts), from 0,5 to 1,5 / 2 mm, and up to 3 mm when needed.
- low motor power usage, 22 kW.
- feed speed of production variable from 4 to 8 / 12 m/min.
- low cost of tools, one set of tips lasts for hundred of thousands of meters in a ratio 1 to 20 (in comparison to sanding belts in the same operations and conditions).
- high level of surface finish, the first sanding belt after the planer starts with grit 100 / 120, the second can finish with grit 150.
- very low sanding belt wear (only utilized for finishing).
- good thickness tolerance of panels processed with 1 planer and 2 belt units = +/- 0,1 mm.

Quick & easy system of inspection and servicing of the planer unit W180, with a complete opening of the front side of the machine, the electric console and the control panel being the “door”.

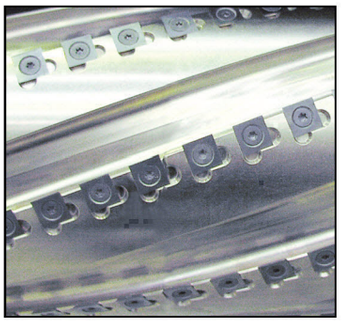
Sectioned pressure beams (optional)

Infeed sectioned pressure shoe with pneumatic control, sections pitch 65 mm.
(View of working unit without protection covers)



W-Set

W-set pneumatic for easy on-off setting of the W180 unit from its working position, from the main panel.



Carbide inserts n° 504
dim. 14 x 14 x 2 mm

Main technical data

Useful working widths	1350	[mm]
Longitudinal sanding belt dimensions	1380 x 2620	[mm]
Standard machine opening	3 ÷ 160	[m/min]
Feed speed of calibrating machines	4 ÷ 20	[m/min]
Over all dimensions (L x B x H)	2045 x 2933 x 2300	[mm]
Gross weight	4200	[kgs]
Dust extraction (@ 28 m/s)	14372	[m³/h]

We reserve the right to change features without any notice.

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