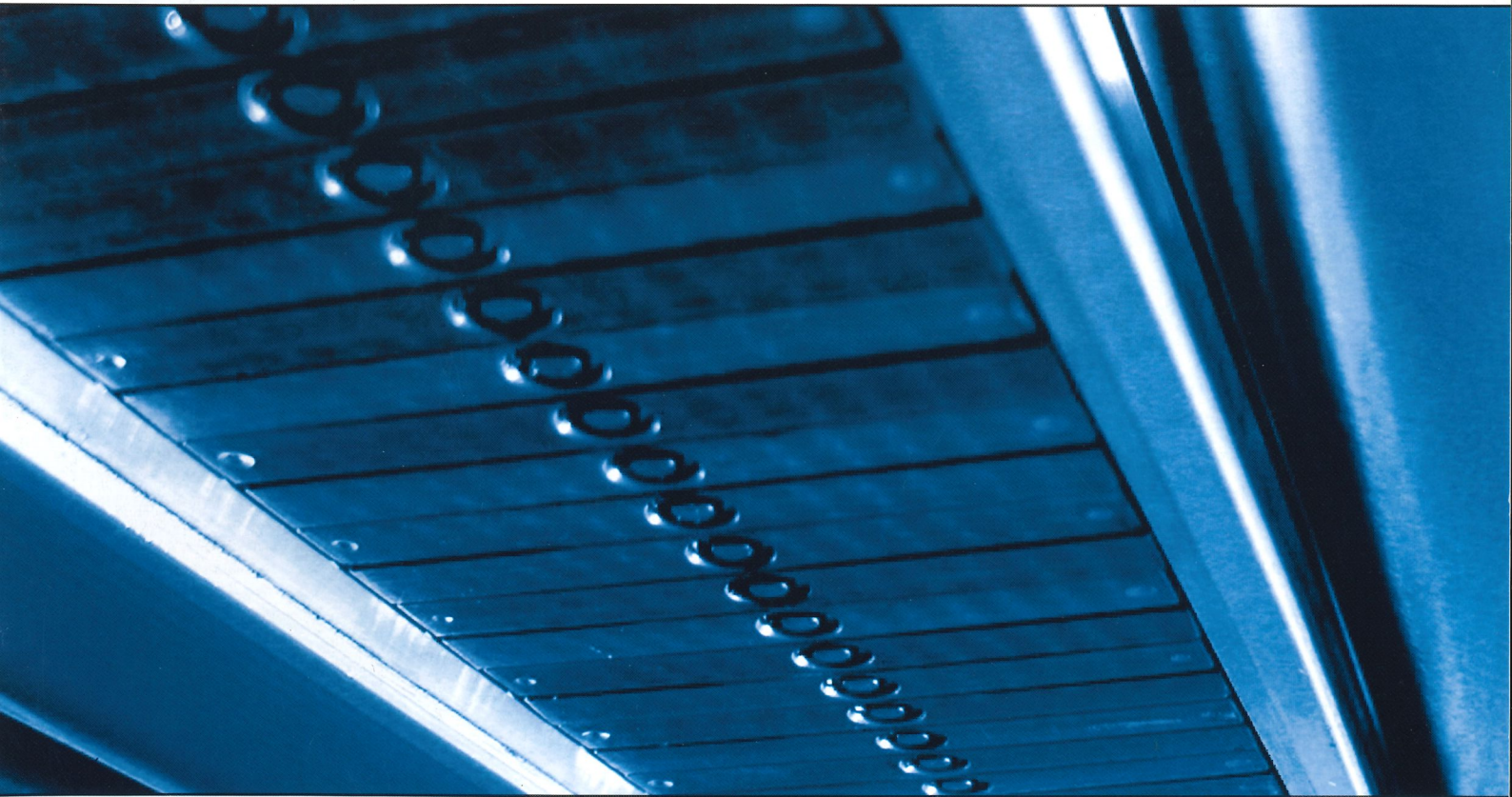


Wide Belt Sanding Machines

SCO 111/113 C Diamond

SCO 213 CE Diamond



Bütfering Diamond

SCO 111/113 C

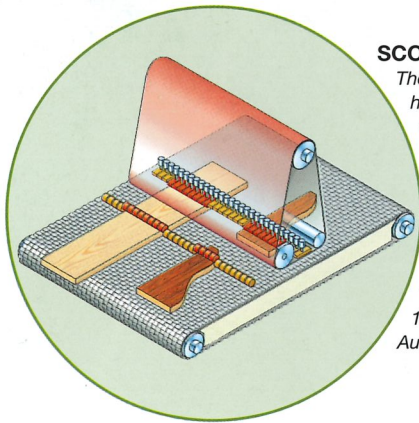
SCO 213 CE



Diamond C

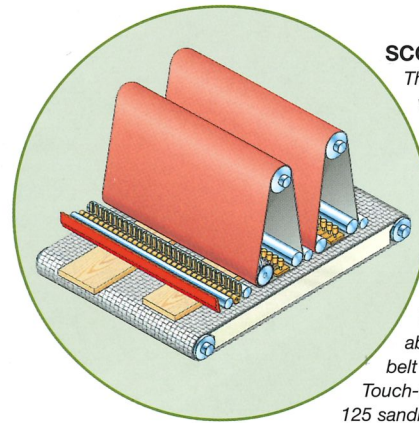


Diamond CE



SCO 111/113 C Diamond

The high performance single head machine for calibrating, veneer and lacquer sanding. Steel contact roller for calibrating. CPS II electronic pad with 25 mm segment width, vacuum table, variable abrasive belt speed, air-jet belt blower, cleaning brush. Touch-Screen Terminal with 125 sanding programs. Automatic head locking.

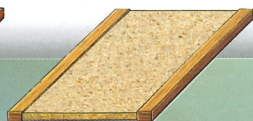


SCO 213 CE Diamond

The ideal machine for solid wood, veneer and lacquer sanding in one pass. Steel contact roller for calibrating or pre-sanding. Two CPS II electronic pads with 50 mm and 25 mm segment width for pre-sanding and finishing in one pass. Vacuum table, variable abrasive belt speeds, air-jet belt blowers, cleaning brush. Touch-Screen Terminal with 125 sanding programs. Automatic head locking.



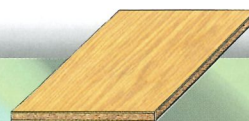
Frames



Calibrating solid edges



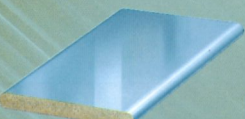
Glued up panels



Veneered panels



Chipboard



Lacquer / sealer sanding



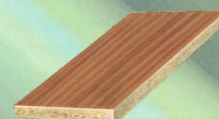
Workpieces with cut-outs



Shaped panels



Veneered panels with different thicknesses



Panels with thickness variation



Bowed panels

'High-tech' is a Bütfering standard

Diamond C

The high performance single head sander for all applications.

- Combi-unit with profiled steel contact roller
- Electronically controlled segmented pad
- Calibration, solid wood, veneer and lacquer sanding

Further details of the SCO C/CE:

Telescopic infeed bed extension
Automatic control of extraction blast gates
Electronic abrasive belt tracking
Belt tension with integrated edge compensation
Automatic workpiece thickness setting
Select and change programs with the machine running

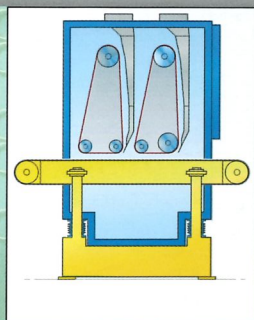
Diamond CE

The most popular machine configuration for solid wood, veneer, and lacquer sanding in one pass.

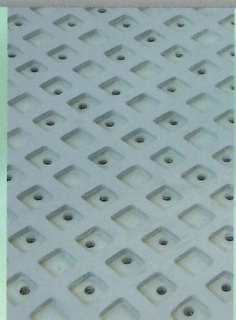
- Combi-unit with profiled steel contact roller and electronically controlled segmented pad
- Exact tolerance calibrating
- Sanding of solid wood, 1st head contact roller, 2nd head electronic pad
- Sanding of veneered workpieces with both electronic pads
- Lacquer/sealer sanding with one or two heads

By the selective use of the contact roller or segmented pad on the 1st head, the right tool is always available for the job in hand.

Variable cutting speed is provided on both heads to give optimum sanding results on all wood and lacquered surfaces.
Pre- and final sanding of the surface in one pass. Two sanding heads - three sanding tools.



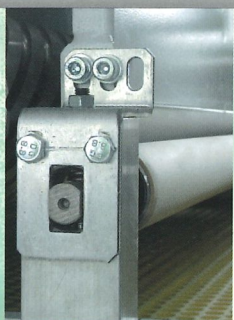
Constant pass-line



Vacuum table with high capacity fan inside the machine



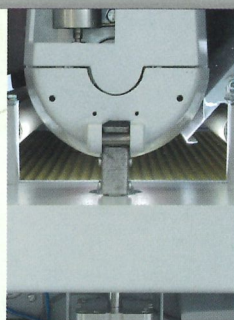
Frequency inverters for abrasive belt and feed speeds



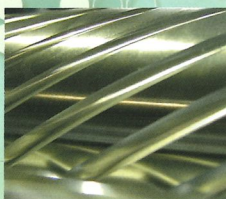
Rubberised pressure rollers



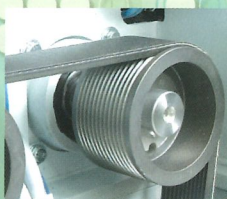
Oscillating air-jet belt blowers for each head



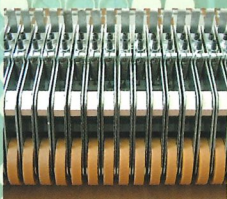
All wide belts with automatic head locking



Profiled steel contact roller, automatic positioning,



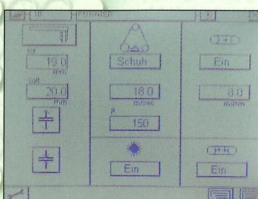
Poly V-belts



Narrow sensing rollers work with the CPS II electronic segmented pad



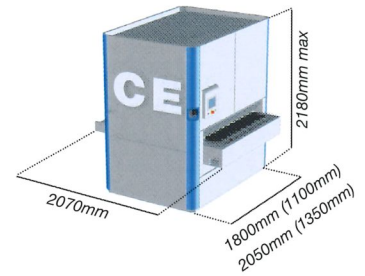
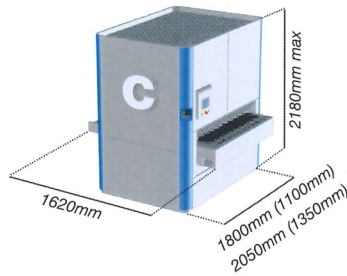
High-Tech sanding inserts



Graphically supported Operator Terminal (Touch Screen)



Panel cleaning brush



Technical Data

Diamond C

Diamond CE

		Diamond C		Diamond CE
Dimensions	Working width	1100mm	1350mm	1350mm
	Abrasive belt length	2150mm (Option BL 2620mm)		2150mm (Option BL 2620mm)
	Abrasive belt width	1120mm	1370mm	1370mm
Space required	Width	1800mm	2050mm	2050mm
	Length	1620mm		2070mm
	Max. height.	2180mm (Option BL 2415mm)		2180mm (Option BL 2415mm)
Drives	Drive motor (constant torque)	15KW		15KW
	Cutting speed	2-18 m/sec.		2-18m/sec.
	Drive motor 2nd head (constant torque)	-		7.5KW
	Cutting speed	-		1-9m/sec.
	Feed motor (constant torque)	1.0KW		1.0KW
	Feed speed	2.5-13m/min		2.5-13m/min
	Scotch and cleaning brush	0.75KW		0.75KW
	Vacuum	2.2KW		3.0KW
	Workpiece thickness min/max.	3-160mm		3-160mm
Extraction	Extraction volume	3140m³/h	3530m³/h	5860m³/h
	Air speed	20m/sec.		20m/sec.
	Machine resistance	800PA		800PA
Pneumatic	Pressure	6 bar		6bar
	Compressed air consumption	25L/min	25L/min.	40L/min.
	Air-jet belt blower 100%	425L/min	535L/min.	1060L/min.
	Diameter of feeding pipe	min. R 1/2 "		min. R 1/2 "
	Volume flow	600L/min.		1200L/min.
Electrics	Type of protection	IP 54		IP 54
	Voltage	3 x 400Volt, ±5%		3 x 400Volt, ±5%
	Frequency	50/60 Hz		50/60 Hz
	Nominal current at full load	40A		55A
	Recommended service / fuse size	min. 50A		min. 63A
	Total connected load	20KW		28KW
Weight	Weight of machine	2300KG	2750KG	3800KG
	Point loading at machine feet	73N/cm²	83N/cm²	121N/cm²
	Pressure loading in the area of the machine	8400N/m²	8660N/m²	9690N/m²

Technical Data and photos are not binding in all details.
Right of technical modification reserved. - 03.04

Frank und Frei, Münster

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