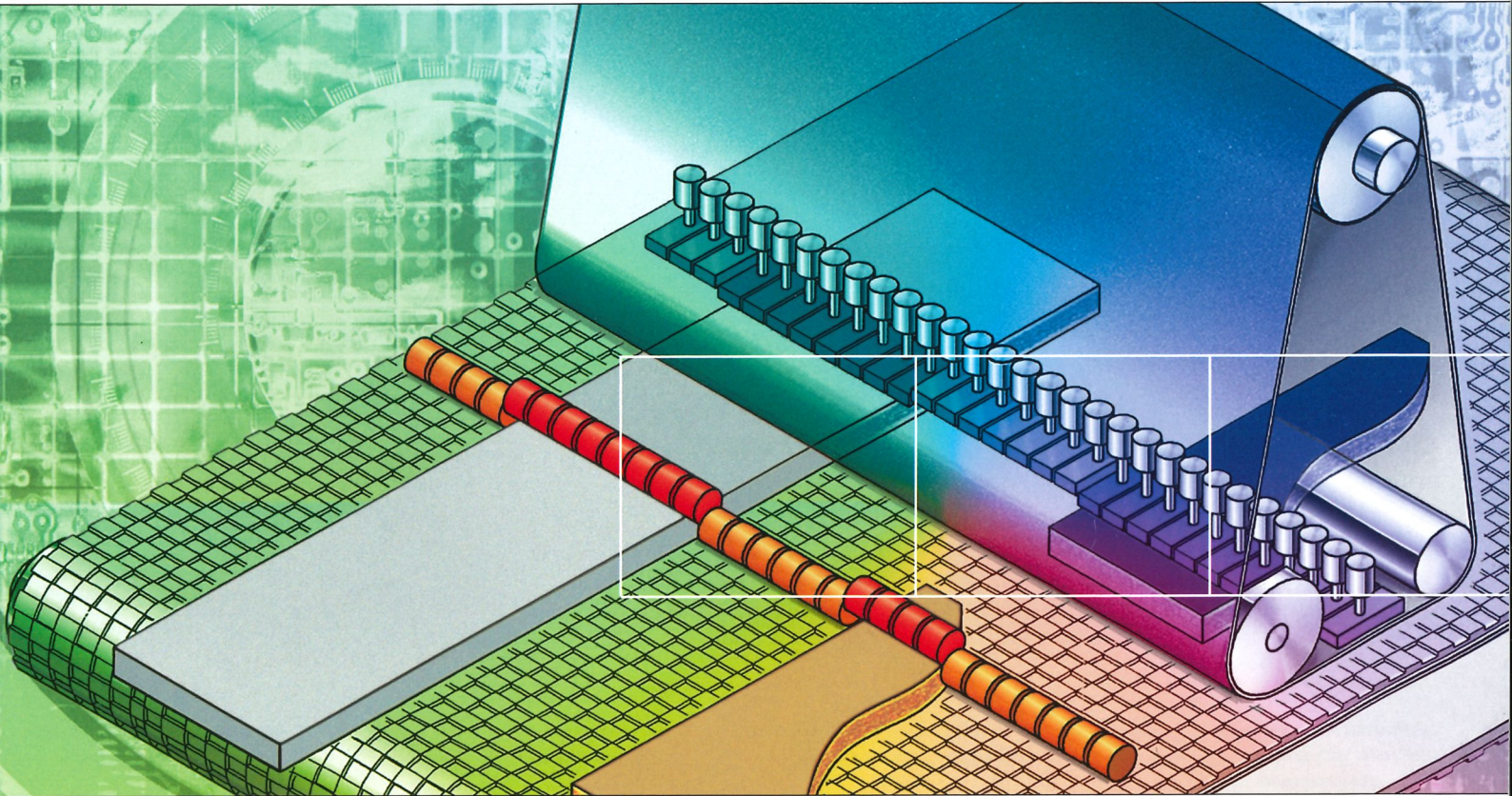
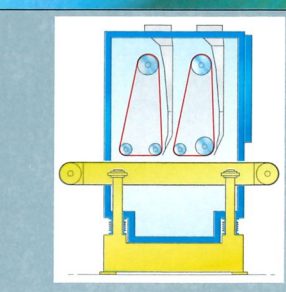
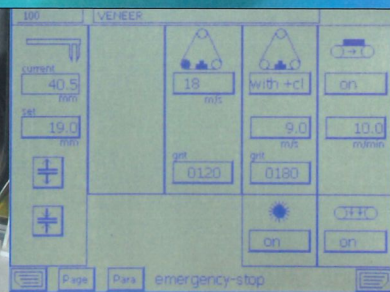
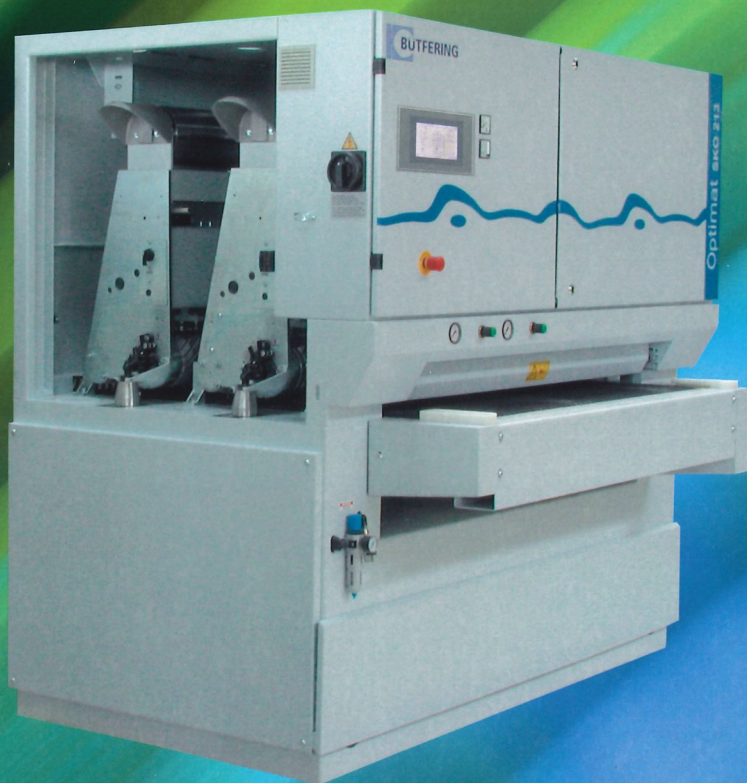


# Wide Belt Sanding Machines Optimat SKO 111-213



# Bütfering SKO 111-213



Profiled steel contact roller with grit size compensation



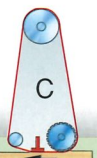
Terminal control with 125 sanding programmes



Vacuum table installed

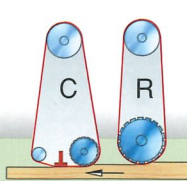


Constant passline



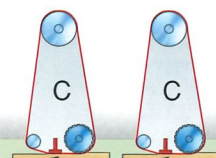
## SKO 111 C / 113 C

- Precise calibrating with the contact roller
- Sanding of solid wood:
  - 1st pass with contact roller
  - 2nd pass with the segmented pad
- Sanding of veneered workpieces in one or two passes with the segmented pad only
- Lacquer sanding by using the segmented pad only



## SKO 213 RC

- Precise calibrating with one or two contact rollers
- Sanding of solid wood with 2 heads in one pass with a choice of using a roller or the segmented pad within the 2nd head
- Sanding of veneered workpieces in one or two passes with the segmented pad only
- Lacquer sanding by using the segmented pad only



## SKO 213 CC

- Precise calibrating with contact roller of the 1st. head
- Additional stock removal by using both contact rollers
- Sanding of solid wood with both heads in one pass by using the contact roller of the 1st head and the segmented pad of the 2nd head
- Sanding of veneered workpieces in one pass by using both segmented pads
- Lacquer sanding by using the segmented pad of the 2nd head

# The Bütfering 'ELECTRONIC' Segmented Pad

The 'electronic' pad needs to know the size and shape of a workpiece, and its precise location in the machine at all times. To do this, the workpiece is scanned as it enters the sander, and the information immediately fed to an on-board PLC. The controller then directs the operation of each segment for perfect pressure application, taking into account the conveyor feed speed, and timing parameters within any given sanding program.

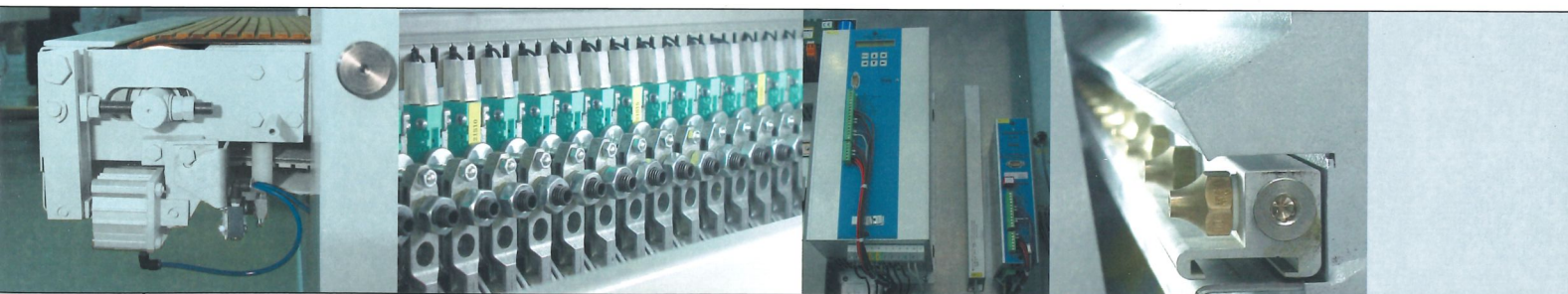
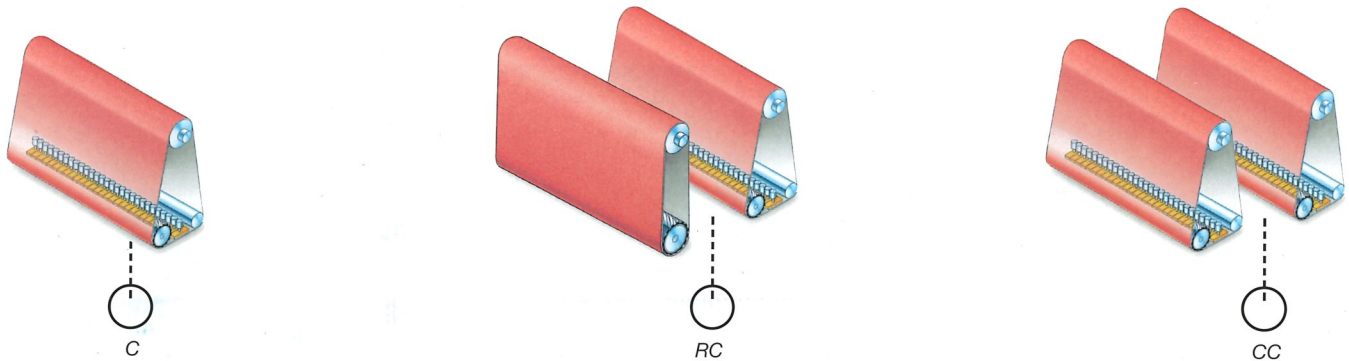
The sanding pressure is regulated to give perfect, repeatable results.

Precise digital timing, and a standard segment width of 35 mm, ensures 'anti-dubbing' all around the panel and guarantees crisp square edges.

Different types of wood and veneer or lacquer require different sanding pressures to obtain the best result. With the SKO 'Electronic' this is easily regulated from the control panel to give beautifully sanded parts with just the right stock removal.

## 'High-tech' is a Bütfering standard

- Electronic pad with 35 mm segment width
- Frequency controlled abrasive belt drive 2,5 - 18 /sec.
- Program controlled feed speed 2,5 - 13 m/min.
- Air-jet belt blower, activated by the workpiece
- Electronic abrasive belt tracking
- Overthickness protection device
- Vacuum table (fan optional)

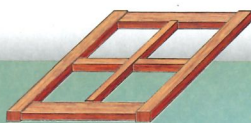


Automatic conveyor-belt tracking

Electronic sanding pad with 35 mm sensing and segments

Frequency inverter for abrasive belt and feed speed

Oscillating air-jet belt blower, activated by the workpiece



Frames



Calibrating solid edges



Glued up panels



Veneer sanding with the segmented pad



Spanplatte



Lacquer / sealer sanding



Workpieces with cut-outs



Shaped panels



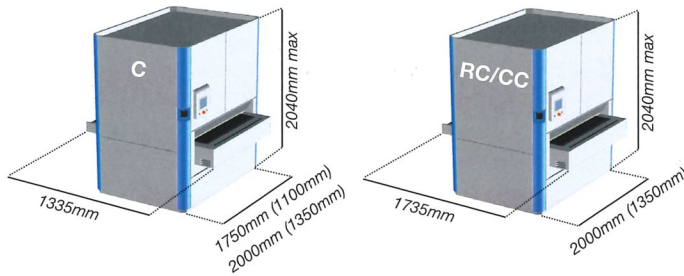
Veneered panels with different thicknesses



Panels with thickness variation



Bowed panels



## SKO Technical Data

Model	111 C	113 C	213 RC	213 CC
Heads	1	1	2	2
Working width	mm 1100	1350	1350	1350
Abrasive belt width	mm 1120	1370	1370	1370
Abrasive belt length	mm 1900	1900	1900	1900
Konstant working hight	mm 900	900	900	900
Workpiece thickness min.-max.	mm 3 - 150	3 - 150	3 - 150	3 - 150
Main motors	KW 15	15	18.5	15
Frequency controlled	KW		15	15
Abrasive belt speed	m/sec. 2 - 18	2 - 18	2-18	2 - 18
Feed motor	KW 0.75	0.75	1.0	1.0
Variable feed speed	m/min 2.5 - 13	2.5 - 13	2.5 - 13	2.5 - 13
Compressed air	bar 6	6	6	6
Air consumption	L/min. 10	10	20	20
Abrasive belt clean. device	L/min. 550	550	550	550
Dust collection	m³/h 1850	2250	4500	4500
Air speed	m/sec. 20	20	20	20
Length	mm 1335	1335	1735	1735
Width	mm 1750	2000	2000	2000
Height max.	mm 2040	2040	2040	2040
Total connecting load	KW 17	17	36	32
Weight	kg 2200	2400	3300	3300

Technical Data and photos are not binding in all details.  
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Frank und Frei, Münster



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**PRACTIVE**

All You need is Practive