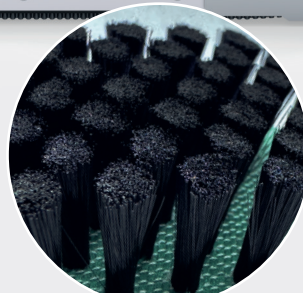
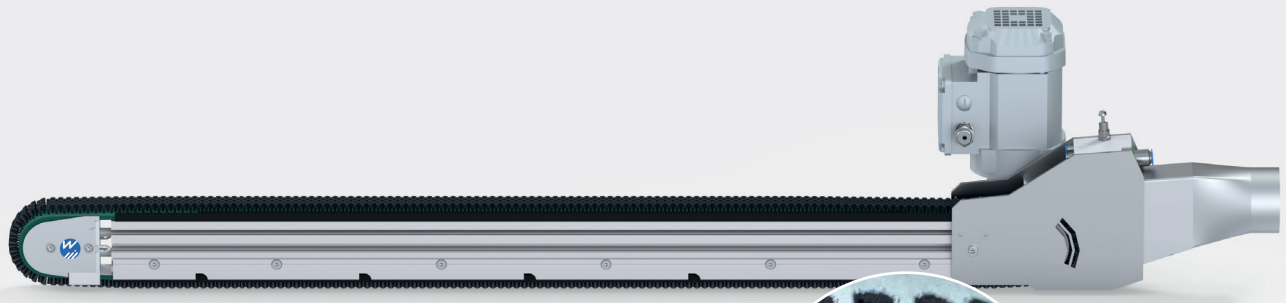


C-Line

Sword Brush® Typ BRX 12



With micro filaments

Cleaning of furniture boards and panels
after processing and prior to stacking and packing



Micro filaments



Self-cleaning mechanism



Pressure buffer



Without cleaning agent

Option:

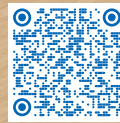


Trans-Vac-Unit TKLO 46

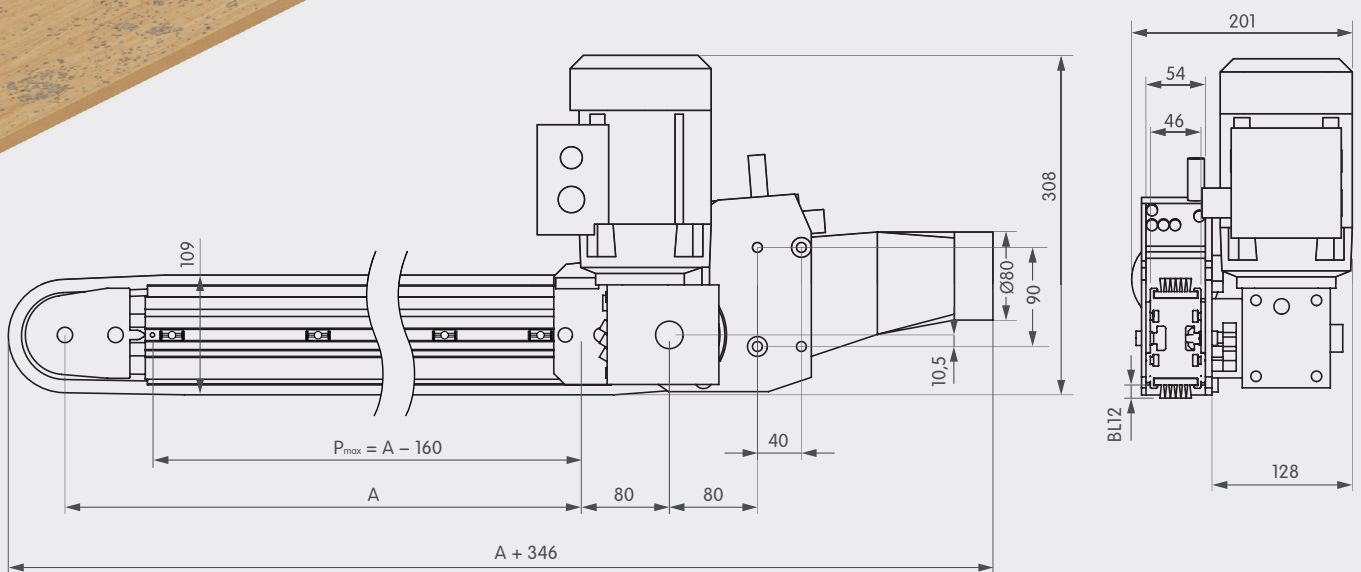
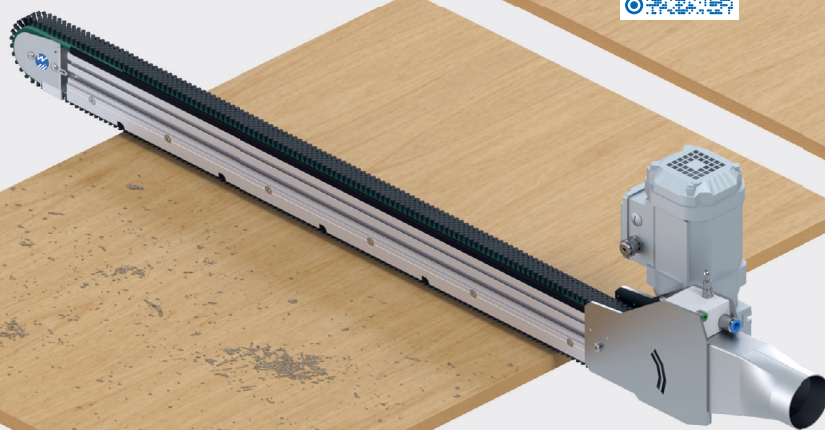
Micro filaments provide for spotless surfaces in furniture productions

The **Sword Brush® BRX 12** effectively cleans upper or lower surfaces of furniture panels in 24/7 applications. The micro filaments of the Sword Brush® are very thin. They provide for a large contact area and dip into the fine texture of the surfaces thus causing particles to adhere to them.

The self-cleaning mechanism separates the particles from the filaments again and propels them towards the suction. This method renders reproducible results and a high 24/7 cleaning performance. As no cleaning agent is necessary, both investment and running costs are very low.



Scan QR code and watch animation



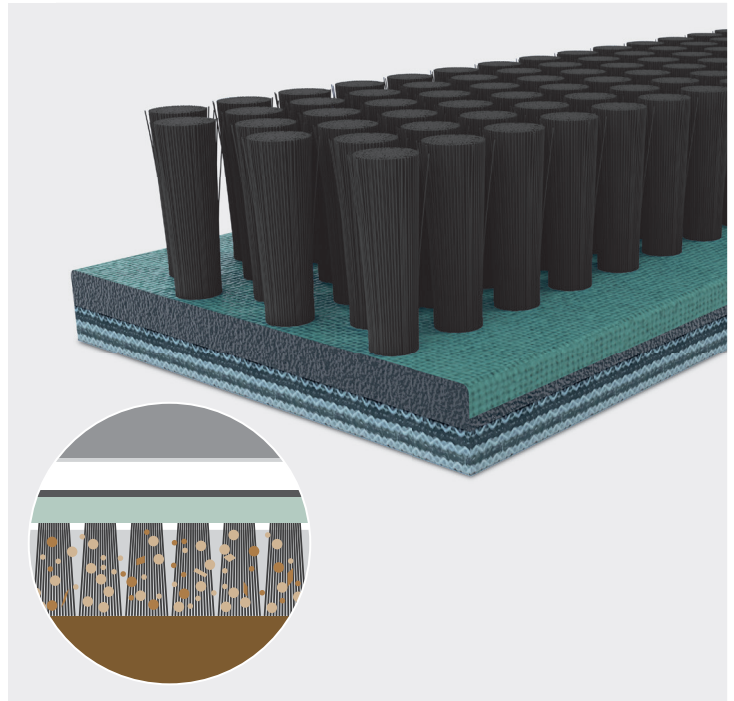
A = Nominal width of Sword Brush®

$P_{max} = A - 160$ max. panel width

Dry in-depth cleaning

Micro filaments

The linear brush belts are equipped with a large number of very thin filaments that may dip into even minute surface structures. Compared with standard filaments, micro filaments offer a substantially larger contact area. They effectively remove particles and dust without the use of cleaning agents. The permanent self-cleaning of the linear brushes in the deviation area enables continuous industrial operation 24/7.



Consistent wiping pressure

Pressure buffer

Linear brushes at the product contact area are mounted flexibly on a pressure buffer. The internal pressure of the pressure buffer is adjustable. This allows to keep the wiping force on an area at a consistent level. The pressure buffer compensates for any material unevenness or thickness variation that may occur. Brush filaments are in a vertical position in relation to the subject surface. The brush filaments provide for a consistent wiping pressure onto the surface and a consistent high-quality cleaning performance.

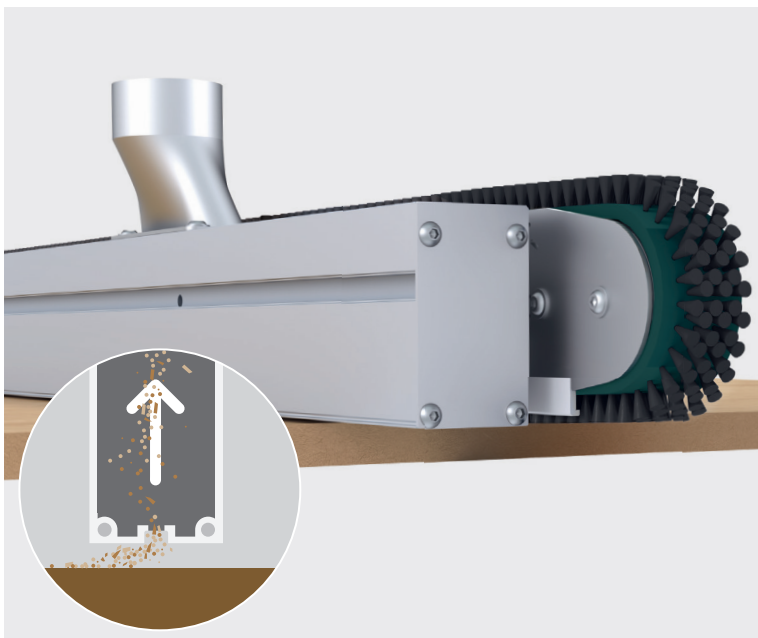


Option

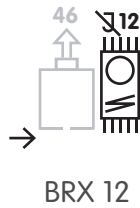
Air-assisted pre-cleaning

Trans-Vac-Unit TKLO 46

Especially if there are large amounts of particles, air-assisted pre-cleaning is most advantageous as it provides for a clean production environment. We recommend mounting a Trans-Vac-Unit TKLO 46 at the infeed of the Sword Brush®. This pre-cleaning device does not touch the material surface. It absorbs large amounts of particles and disburdens the Sword Brush®.



Technical details and dimensions



Sword Brush® BRX 12 with micro filaments and pressure buffer, without Ingromat® system
Option: Regulator and filter unit with main valve, alternatively customer supply

Trans-Vac-Unit TKLO 46
absorption of large amounts of particles without touching the surface (option)

Nominal width

A in mm

Number of suction connections TKLO

400	520	650	700	850	900	1000	1100	1200	1300
1	1	1	2	2	2	2	2	2	2

1400	1500	1650	1700	1750	1900	2000	2100	2200
3	3	3	3	3	3	4	4	4

Technical data

Sword Brush® drive motor	1 x 0.25 kW SEW-Motor, IP 54, compatible UL + CSA
Compressed air connection	1 x Ø 12 mm push-in fitting; 6 bar
Compressed air consumption	120 l/min
Compressed air quality	Purity classes compressed air ISO 8573-1:2010 [6:4:3] (at 20 °C; 1 bar) filtered (CP ≤ 5 mg/m³), dry (pressure dew point ≤ 3 °C), oil-free (CO ≤ 1 mg/m³)
Suction Sword Brush®	1 x Ø 80 mm; 1 x 540 m³/h
Suction TKLO 46	n x Ø 60 mm; n x 300 m³/h; n = number of suction connections TKLO
Linear brush	Type Quadro R6; Polyamide 6.12; filament length 12 mm; Ø 0.08 mm
Transport speed	max. 100 m/min
Minimum dimension of panel	L _{min} = 240 mm; P _{min} = 60 mm
Maximum width of panel	P _{max} = A – 160 mm

Exemplary values, the exact values can be found in the specifications.



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