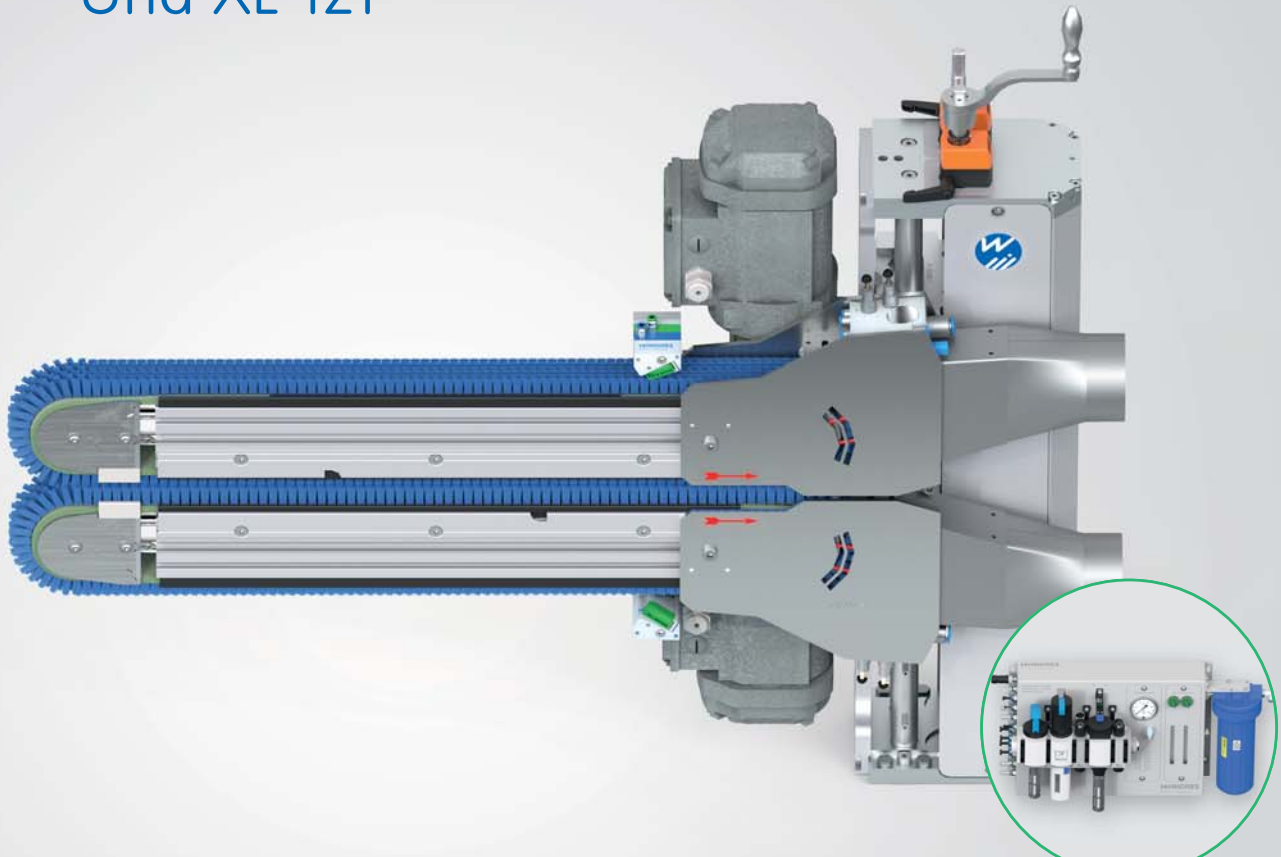


C-Line / F-Line

Combi Sword Brush Una XE 121



Including: Ingromat® system

For the cleaning of narrow panels, edge areas
and narrow paper or foil webs



Double-sided cleaning



Micro-moistening



Compact height adjustment



Pressure buffer

The **Combi Sword Brush Una XE 121** cleans narrow panels, edge areas of larger panels and narrow paper or foil webs. Both Sword Brushes (type BIX 51) wipe crosswise to the transport direction. They clean the material from above and from below. To provide for a consistent wiping pressure, the linear brushes

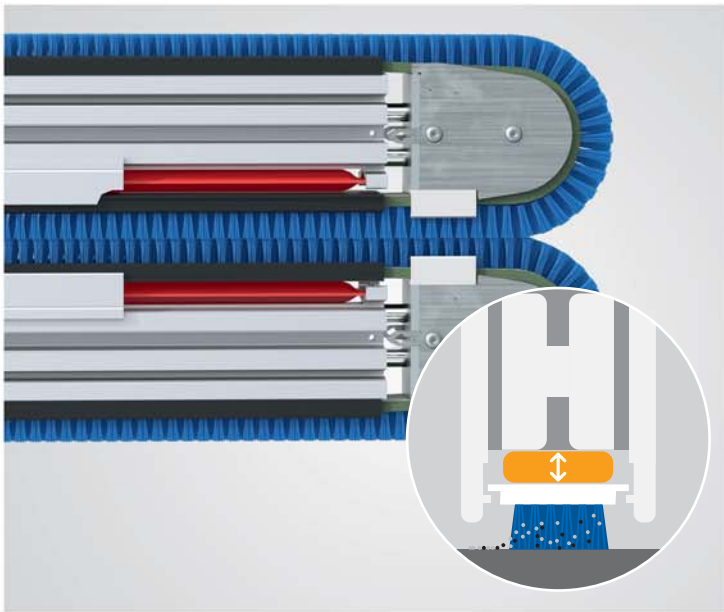
are mounted on a pressure buffer that is controlled pneumatically. The filaments are micro-moistened with the Ingromat® liquid and may thus effectively remove particles and fine dust. The self-cleaning mechanism for the linear brushes permits repeatable results in continuous operations.



Single-sided adjustment

VEG 26

The Sword Brushes may be adjusted in their vertical position via the single-sided adjustment frame, e.g. to thread a new web, to adjust the machine to a new panel thickness, during a production stop or for maintenance purposes.



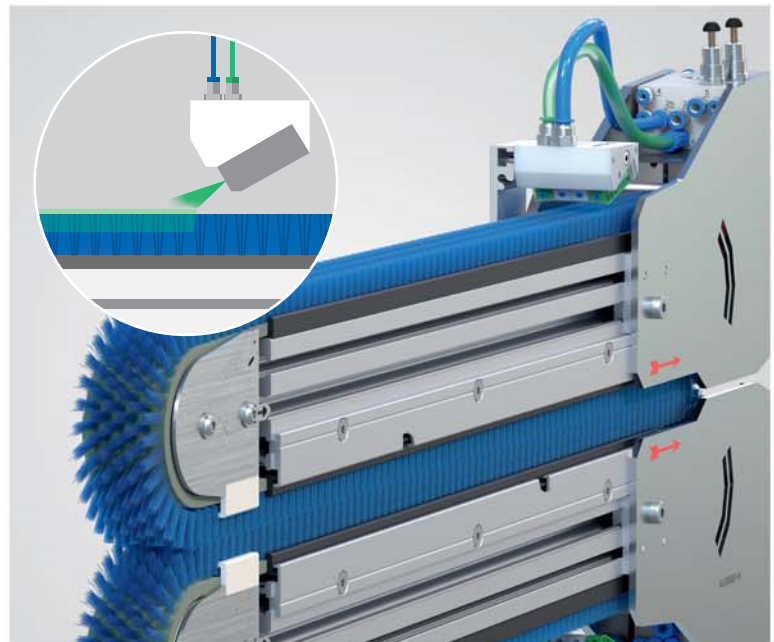
Consistent wiping pressure

Pressure buffer

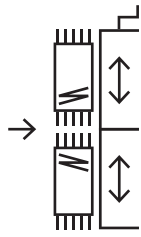
The linear brush is mounted flexibly on a pressure buffer. This pressure buffer compensates for any material unevennesses and variations in the material's thickness of up to +/- 2 mm. Brush filaments are not bent excessively, they remain in a vertical position in relation to the surface. This provides for a consistent wiping pressure onto the material surface and a premium cleaning result.

Micro-moistening Ingromat® sprayer

The sprayer applies a thin film of the antistatic cleaning agent Ingromat® in running direction onto the filament tips of the linear brush. Ingromat® is food-safe, in conformity with FDA regulations and reduces static charges on surfaces. The micro-moistening causes even very fine dust particles to cling to the brush filaments that transport them towards the suction system. The subject surface will remain dry during the cleaning process.



Technical details and dimensions

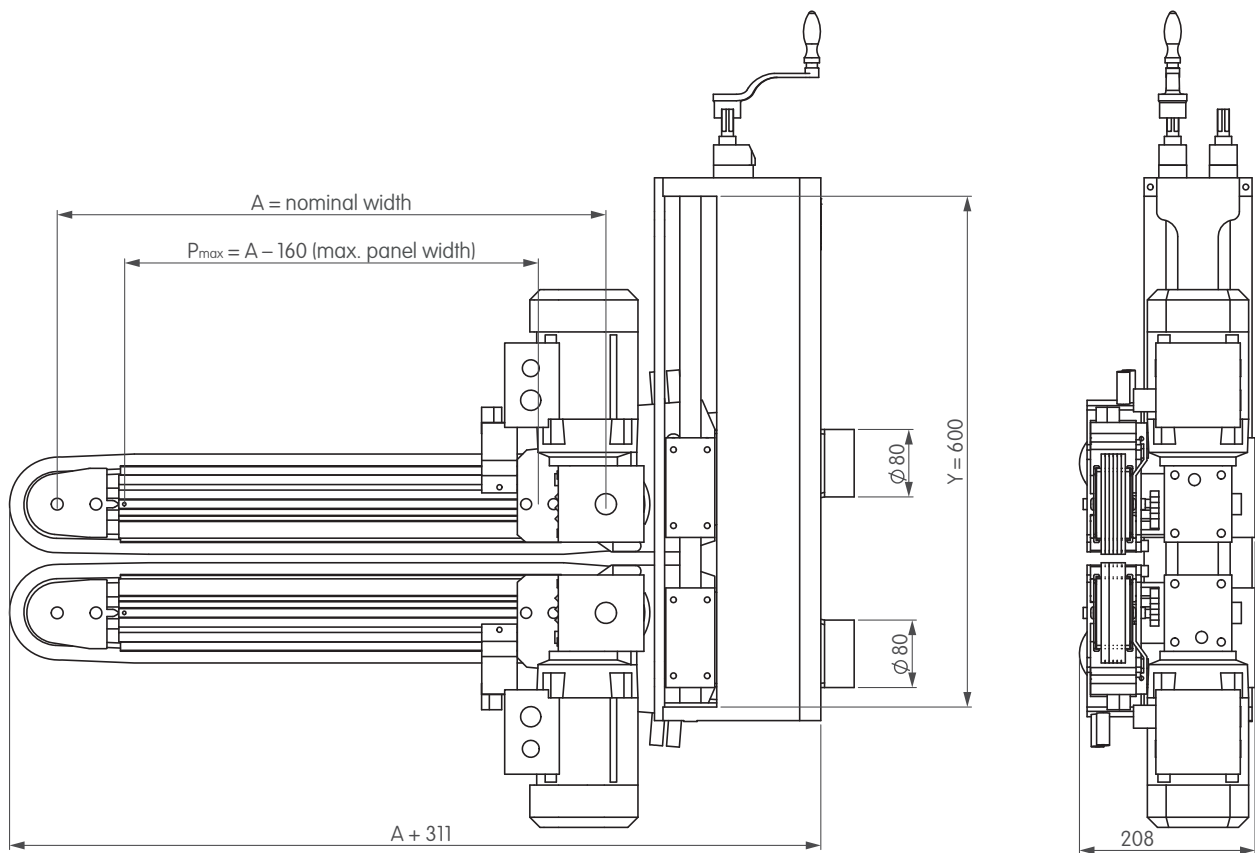


Una XE 121

2 x **Sword Brush BIX 51/1M/A** with pressure buffer to provide for consistent brush pressure

Ingromat® system for the micro-moistening of the brush filaments including a regulator and filter unit IR 100

1 x **adjustment frame VEG 26** (with one column)
 Optionally with electrical height adjustment HVE,
 optionally with pneumatic quick adjustment HVP



A Nominal width of Sword Brush = distance between deviation roller shafts
 P_{max} max. width of panel or web = A - 160 mm

A in mm	400	520	650
A in inches	15,75	20,47	25,59

Technical data

Electrical details

Sword Brush drive motor	2 x 0.25 kW SEW motor, IP 54, UL compatible, CSA compatible 50 Hz; Δ 220–240 V; 1.14 A; Υ 380–415 V; 0.66 A 60 Hz; Δ 240–266 V; 1.03 A; Υ 415–480 V; 0.6 A
Main valve (at IR unit)	2/2 directional valve; 1 x 24 V DC each; 1.5 W
Electrical height adjustment HVE (option)	Motor 24 V DC; 170 W; intersection see information sheet HVE
Pneumatic quick adjustment HVP (option)	5/3 directional valve; 2 x 24 V DC; 1.08 W

Pneumatic details

Compressed air quality	filtered (particle size < 40 μ m), oil free (residual oil < 1.5 mg/m ³ at 24°C)
Compressed air connection	1 x 1/2" female thread; 6 bar
Total compressed air consumption	460 l/min (with standard SR nozzles at 1.013 bar and 20°C) 560 l/min (with reinforced SR nozzles at 1.013 bar and 20°C)

Fluidics

Ingromat® hose connection	2 x \varnothing 8 mm
Ingromat® consumption	0.4 l/h–1.6 l/h

Suction

Suction connection	2 x \varnothing 80 mm
Suction capacity	2 x 9 m ³ /min
Operating parameter	min. –500 Pa vacuum; min. 28 m/s (at suction connection)

Acoustic emission

Acoustic emission LPA	approx. 77 dB(A) depends on surface features and the geometry of the subject panel
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Linear brush

Type of linear brush	Quadro R6
Filament material	Polyamid 6.12
Filament length	17 mm
Filament- \varnothing	0.127 mm

Transport speed

Max. transport speed	100 m/min
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Dimensions of subject panel

Min. panel length	$L_{\min} = 240$ mm
Min. panel width	$P_{\min} = 60$ mm
Max. panel width	$P_{\max} = A - 160$ mm

Technical data are subject to change

