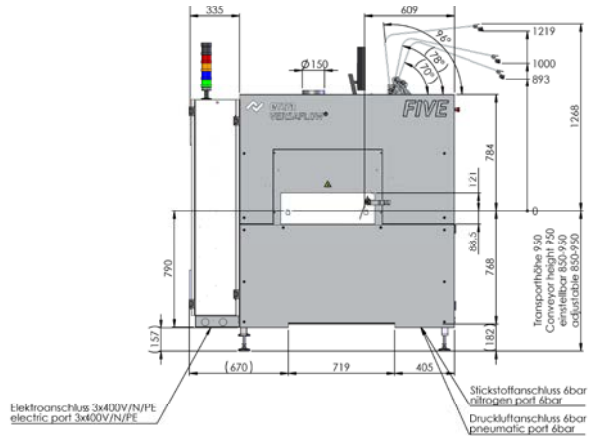
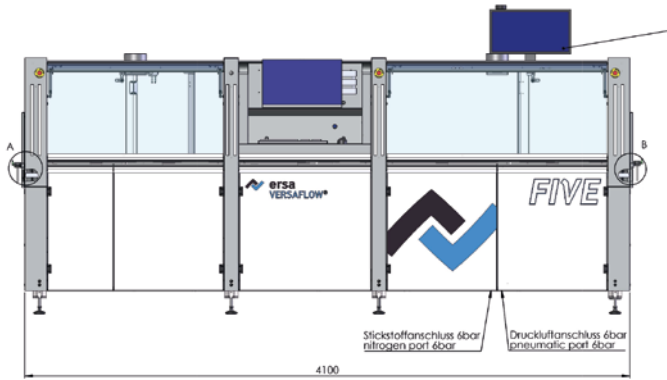


VERSAFLOW FIVE – Technical data



Dimensions (Basic machine)	VERSAFLOW FIVE
Length x Width x Height	4,100 mm x 1,789 mm x 1,634 mm
Weight	2,000 kg
Type	Inline
Load	manual/automatic
Conveyor System	
Type	Roller conveyor
PCB width (single track)	50 mm – 508 mm
PCB length	120 mm – 685 mm or 120 mm – 350 mm dual track (processing area up to 320 mm)
Clearance from PCB edge	3 mm
PCB top-side clearance (basic machine)	max. 120 mm (option 200 mm)
PCB bottom-side clearance	max. 80 mm
Conveyor speed	0.2 m/min – 15 m/min
PCB/mask weight (heavy load optional)	12 kg (25 kg)
Flux module	
Type	precision spray flux system
Positioning system	2 axis (x/y) servo-motor driven (option 2 x 2 axis (x/y))
Flux tank	1.8 l
Positioning speed	1 mm/s – 400 mm/s
Flux speed	20 mm/s
Accuracy	± 0.15 mm
Spray width	2 – 8 mm (130 µm spray head)
Preheat module	
Type	bottom side dynamic emitter (matrix); top-side convection/medium wave emitter
Power (basic)	Matrix 14.4 kW (8 x 1.176 kW & 8 x 0.624 kW)
Temperature	up to 200 °C
Single wave solder module	
Solder wave height	max. 5 mm
Clearance from PCB edge	min. 3 mm
Solder volume	approx. 14 kg Sn63Pb; approx. 13 kg lead-free alloy
Solder temperature	max. 320 °C
Warm-up time	60 min to 280 °C
Positioning speed	x/y: 2 mm/s – 200 mm/s z: 2 mm/s – 100 mm/s
Soldering speed	10 mm/s
Positioning accuracy	± 0,15 mm
Solder module versions	
Mini wave	•
Number of mini wave solder pots	1 – 6