

Article Details	
Reference Code	IT146
Manufacturer / Brand	Heinrich KUPER GmbH & Co. KG (Bruchstraße 13-19, 33397 Rietberg, Germany)
Equipment Type	Four-Side Moulding & Planing Machine / Profiler (Scorniciatrice a 4 lati / Piallatrice)
Model / Type	SWT 23 XL-5
Machine Serial Number	2121
Year of Construction	2007
CE Certification	✓ Certified (Official CE Plate Present)
Operating Status & Availability	Installed on-site / Operational / Available on request

Technical & Electrical Specifications	
Operating Voltage & Frequency	400 V / 50 Hz / 3 Ph
Nominal Current Rating	71 A
Electrical Circuit Plan No.	2121
Control Unit & HMI	SIEMENS SIMATIC Multi Panel Touchscreen CNC HMI with dedicated stylus pen & emergency stop
Electronic Axis Display	Front-mounted SIKO electronic digital position indicator for lower/upper tool axis setup
Feed Speed Range	Mechanical handwheel adjustment with analog tachometer dial (Range: 6 to 36 m/min)
Working Capacity	Max. working width ~230 mm / Max. working height ~120 mm
Spindle Arrangement	5 Spindles (Bottom, Right, Left, Top, Universal/Bottom) with heavy-duty cutterheads

Plant Components & Mechanical Features	
Soundproof Safety Cabin	Full enclosure with dual viewports, interior acoustic insulation panels & safety interlocking lid.
Infeed Table System	Precision cast iron entry table with manual lateral fence adjustment, guiding rules & pneumatic workpiece clamping.
Workpiece Feed System	Multi-roll driven top feed rollers with pneumatic pressure cylinders & ribbed entry steel rollers.
Dust Extraction Architecture	Integrated 4-port overhead dust extraction manifold with flexible hoses directly mounted on cutterhead hoods.
Pneumatic Control Panel	Front-mounted pressure regulator gauges and lubricator unit for feed roller pneumatics.
Rear Electrical Cabinet	Integrated multi-door rear electrical enclosure with main lockable isolator switch and ventilation louvers.
Industrial Application	High-precision 4-side planing, profiling, moulding, and dimensioning of solid wood components, window profiles, and timber elements.