

Article details	
Reference Code	IT159
Manufacturer	ARTECH by Biesse Wood Division (BIESSE S.p.A. - Pesaro, Italy)
Model	AKRON 850
Category	Automatic Single-Sided Edgebander / Bordatrice monolaterale automatica
Serial Number	77366
Year of Construction	2006
Operating status	still in production use
Availability	on request

Technical specifications & Machining Units	
Control System	CNI Numeric Control with color display, keyboard, and PLC program management
Panel Thickness	10 - 60 mm
Edge Thickness	0,4 - 12 mm (rolls in PVC/ABS/veneer up to 3 mm, solid wood strips up to 12 mm)
Feed Speed	Variable track feed speed from 10 to 22 m/min
Pre-milling Unit (FI-502)	2 high-frequency HF motors with automatic timed entry/exit and PCD diamond cutters
Gluing & Feeding Section	EVA Quick-melt glue pot, pre-melter setup, automatic roll coil feeder & strip magazine
Pressure Zone	Heavy-duty pressure roller zone with 1 motorized main drive roller + 3 pneumatic pressure rollers
End Trimming Unit (IN-801)	2 HF motors, linear guides, pneumatic tilting 0°–15° for straight/chamfered cuts
Rough Trimming Unit (RS-10)	Top & bottom rough trimming unit with high-frequency motors for heavy material removal
Fine Trimming Unit (RI-501)	Top & bottom fine trimming unit with vertical/horizontal copy wheels and pneumatic position change
Corner Rounding Unit (AR-02)	2-motor multifunctional rounding unit for leading/trailing ends and corner profiling of panels
Profile Scraping Unit (RB-501)	Top & bottom profile edge scraper with chip collection box and numerical readouts
Glue Scraping Unit (RC-501)	Top & bottom flat glue scraper for cleaning excess adhesive along panel joint
Buffing Unit (SZ-501)	Top & bottom motorized cloth buffing wheels for final edge cleaning and polishing
Pneumatic Supply Pressure	7 Bar
Suction Extraction Speed	30 m/sec
Machine Weight	3.200 kg
Declaration of CE-conformity	✓
Conformity Marking	CE mark

Technical specifications generated directly from the machine's nameplate, manufacturer standards, and structural inspection.