

1. Machine Identification & Manufacturer

Reference Code	IT112
Manufacturer / Brand	HOLZMA Plattenaufteiltechnik GmbH (HOMAG Group)
Model Series	PROFI HPP 510/56 (Profi Line)
Category	Heavy-Duty Horizontal Beam Panel Saw
Year of Manufacture	2005
Serial / Machine Number	0-240-01-0448
Country of Origin	Made in Germany (D-75365 Calw-Holzbronn)
Operating Status	In production use / Fully operational

2. Cutting Capacities & Operational Dimensions

Cutting Length (Max.)	5.600 mm (56 Series)
Program Fence Travel Distance	5.600 mm
Saw Blade Projection (Max.)	125 mm (HPP 510 High-Performance Series)
Pneumatic Material Collets / Clamps	Heavy-duty dual-finger clamps with independent pressure regulation
Infeed & Support System	5 Front Air-Flotation (Air-Cushion) Support Tables
Air-Flotation Fan Blower Units	Integrated high-flow air turbine for heavy panel protection

3. Saw Carriage, Blades & Feed Speeds

Saw Carriage Drive System	Rack and pinion drive with high-precision linear guides
Saw Carriage Forward Speed	0-130 m/min (Continuously variable / Inverter driven)
Saw Carriage Return Speed	130 m/min (Fast-return cycle)
Program Fence Speed	Up to 90 m/min
Main Saw Blade Diameter (Nominal)	450 mm
Scoring Saw Blade Diameter	180 mm (Pneumatically controlled rise/fall & lateral alignment)

4. Control Hardware, Software & Labeling

Control System & Interface	HOLZMA CADmatic 4 Professional
Operating System & Display	Windows-based Industrial PC with Acer Flat Screen & Keyboard
Optimization & Cutting Pattern Display	Real-time 3D graphic visualization, strip grouping & material tracking
Integrated Label Printing System	HOLZMA Pica II Thermal Transfer Barcode Printer

5. Electrical, Pneumatic & Safety Standards

Operating Voltage / Frequency	400 V / 3 + N (50 Hz)
Nominal Rated Current (In)	41 A
Main Line Backup Fuse (Icc)	50 A
Control Voltage Circuit	24 V DC
Compressed Air Supply Pressure	6 - 8 BAR
Quality & Safety Certification Marks	CE Mark Compliant / BG-PRÜFZERT / GQ (Geprüfte Qualität)
Dust Emission Certification Standard	Holzstaubgeprüft (Certified Low Dust Emission Standard)

Technical specifications generated directly from the machine's identification plate, CADmatic software interface, and HOLZMA HPP 510 series technical parameters.