

Machine Identification & Manufacturer

Reference Code	IT111
Manufacturer / Brand	COMIL (Divisione Montaggio) - Pesaro, Italy
Model Line	COSMO Series
Industry Association / Trade Mark	ACIMALL Certified Member (Pesaro - ITALY)
Machine Type	Electromechanical Cabinet & Frame Carcase Assembly Press
Application Field	Furniture Assembly, Modular Cabinetry, Carcase Squaring & Box Pressing

Working Capacity & Mechanical Structure

Max Working Length Capacity	2,500 mm (2.5 meters) Max Clamping Span
Measurement Precision Scale	M. Conti Pesaro Precision Graduated Linear Scale (0-2,500 mm)
Clamping Movement Mechanism	Motorized Screw Drive with Self-Centering Orthogonal Beams
Pressure Surface Structure	Heavy-Duty Vertical & Horizontal Slatted Beam Grids
Horizontal Clamping Beam	Multi-Slat Uniform Support Base with High-Friction Protection
Vertical Clamping Beam	Sliding Vertical Beam with High-Visibility Safety Hazard Striping
Frame Chassis Construction	Monobloc Heavy Steel Gantry Frame for Maximum Rigidity

Control Unit & Operating Interface

Main Control Interface	Vertical Operator Panel with Membrane Keypad & Industrial Push Buttons
Pressure Percentage Controls	Selector Switches for 70%, 85%, and 100% Pressing Power
Digital Cycle Timer	OMRON H5CA Programmable Digital Press-Time Counter
Diagnostic & Monitoring Grid	8-Channel Illuminated Status & Axis Position Display
Operation Selector Modes	Manual Control / Semi-Automatic / Full Automatic Pressing Cycles
Motor Direction Controls	Bidirectional Beam Movement Buttons (Open / Close Axis)

Electrical, Pneumatic & Safety Systems

Operating Voltage / Power Supply	380 V / 50 Hz (3-Phase + PE Industrial Supply)
Emergency Shutdown Systems	Palm Emergency Stop Button + Perimeter Trip Wire Safety Cable
Power Isolation Switch	Rotary Master Power Disconnect Lockout Switch
Safety Compliance Markings	CE / ACIMALL Machine Standard Safety Shielding

Updated technical datasheet compiled from COMIL COSMO plate data, control console layout, and structural analysis.