

1. IDENTIFICATION DATA & CE NAMEPLATE

Internal Reference Code	IT122
Brand / Manufacturer	IMA (IMA Klessmann GmbH / IMA Polska)
Model Designation	Advantage 400
Commission / Serial Number	50562
Year of Construction	2015
Country of Origin	Made in Poland (Engineered by IMA Klessmann GmbH, Germany)
Machine Category	High-Efficiency Single-Sided Automatic Edgebander (Throughfeed)

2. GENERAL TECHNICAL SPECIFICATIONS & CHASSIS STRUCTURE

Control Unit (CNC)	IMA Touchscreen Control Panel on swivel arm with ICOS open graphical interface
Panel Feed Mechanism	Industrial bottom track chain with high-grip pads & top motorized belt pressure system
Chassis & Enclosure	High-rigidity monobloc electro-welded steel frame with full soundproof cabin & LED lighting
Safety Equipment	Perimeter guards with interlocked doors, emergency palm stops & key switch selector
Edge Banding Materials	Compatible with coiled edges (PVC, ABS, Melamine, Veneer) and solid wood strips

3. WORKSTATION LAYOUT & PROCESSING UNITS CONFIGURATION

1. Joint Trimming Unit ("Rettifica")	Dual high-frequency motors with PCD diamond cutters & electro-pneumatic entry
2. Gluing & Pressure Zone ("Gruppo Incollatore")	Quick-heating hot-melt EVA/PU glue pot, applicator roller & pneumatic pressure rolls
3. Coil Magazine & Guillotine ("Caricatore Bordo")	Single-position automatic coil feed magazine with heavy-duty pneumatic guillotine shear
4. End-Trimming Unit ("Intestatori")	Dual high-frequency motors sliding on precision prismatic linear guides for edge cut-off
5. Fine Trimming Unit ("Spigolatori")	Top/bottom multi-axis fine trimming unit with mechanical SIKO digital position counters
6. Corner Rounding Unit ("Arrotondatore")	Multifunction corner rounding unit for automatic profiling of front/rear corners & edges
7. Profile & Flat Scrapers ("Raschiabordo/Raschiagolla")	Radius profile scraper with chip blowers combined with flat glue scraper unit
8. Buffing / Polishing Unit ("Spazzole")	Top and bottom cloth buffing motors for edge color restoration, polishing & cleaning

4. AUXILIARY SYSTEMS & FLUIDICS

Dust Collection Network	Dedicated extraction hoods on all trimming/milling units connected to main manifold
Pneumatics & Anti-Adhesive System	Integrated pneumatic manifold with individual regulators & liquid spray nozzles at infeed

Technical specifications verified directly from IMA Nameplate (Com. No. 50562) and visual documentation (Code IT122).