

PRE-INSTALLATION CHECKLIST

Automatic Edge Banding Machine

F350 (DTMAC / Shandong Dongteng Machinery)

Please confirm all site, electrical, and utility requirements listed below before the arrival of the Caple service engineer. Incomplete preparation will delay installation and may attract additional service charges.

Machine Specifications

Parameter	Value
Model	F350(X)-Y722 (DTMAC)
Milling	Diameter 200mm, Power 4KW, Speed 3000 r/min
Slotting	Height 3-23mm, Power 0.35KW
Gluing	PUR or EVA, Volume 3000ml
Voltage	415V / 50Hz / 3-phase (customizable)
Total Power	16 KW
Air Pressure	0.6 - 0.8 MPa
Dust Extraction	φ100mm × 3 pcs
Feeding Speed	12 m/min
Overall Dimensions*	~4500 × 1100 × 1640 mm
Machine Weight*	~1330 kg

*Overall dimensions and weight are indicative for the F350 machine class; Caple will confirm exact figures against the final packing list before installation.

1 - Electrical Supply & Wiring

3-Phase Power Supply

- Dedicated 3-phase, 415V AC, 50 Hz power connection available at the machine location.

Cable Specification

- 4-core cable (3 phase + earth), minimum 6 mm² cross-section for the 16 kW load, run from the MCC/DB panel.

MCB / MCCB Rating

- 32 A MCCB with earth leakage protection (ELR/ELCB) installed at the sub-panel feeding the machine.

Earthing & Bonding

- Dedicated earth pit with resistance ≤ 5 Ω. Machine body earthing point ready. Earthing wire connected.

Voltage Stabiliser

- Servo-controlled stabiliser (min. 20 kVA) arranged if incoming supply fluctuates beyond ±10%.

Cable Routing

- Conduit or cable tray routed from DB panel to final machine position. No exposed wiring below 1.8 m.

2 - Compressed Air

Air Compressor Available

- Oil-free or lubricated compressor capable of maintaining 0.6-0.8 MPa. Dedicated feed line to machine position.

Moisture Trap / Filter

- Air filter-regulator-lubricator (FRL) unit installed on the supply line near the machine to remove moisture and debris.

Supply Pressure

- Working pressure at machine inlet confirmed at 0.6-0.8 MPa (adjust regulator on site if required).

Pipe / Hose Size

- Minimum ½" (12 mm ID) airline from compressor to machine. Quick-connect BSP fitting at the machine end.

3 - Space & Civil Readiness

Floor Area Cleared

- Min. 6,000 × 2,300 mm clear floor area available (machine footprint ~4500 × 1100 mm + infeed/outfeed and 600 mm service access on all sides).

Floor Load Capacity

- RCC floor capable of bearing ≥ 1.0 t/m² (machine weight ~1330 kg). Civil certificate available if required.

Floor Levelness

- Floor levelled to within ± 2 mm over 3 m. Anchor bolt holes / anti-vibration pads ready if specified.

Door / Entry Clearance

- Entry door or loading bay clear for the packed machine dimension. Path from truck unloading confirmed.

Overhead Clearance

- Minimum 2200 mm ceiling height at machine location. No obstructions (pipes, ducts, columns) within the footprint.

Lighting

- Adequate factory lighting (min. 300 lux) at the machine station for safe installation and operator training.

4 - Material Handling & Unloading

Forklift / Crane Available

- Min. 2-ton capacity forklift or overhead crane available on the day of machine delivery and installation.

Loading Bay / Ramp

- Loading dock or ramp accessible for a 14-ft truck. Clear path from unloading point to installation position.

Pallet / Skid Removal

- Tools for removing wooden packaging (crowbar, hammer) and personnel to assist with unloading arranged.

Rigging Equipment

- Suitable slings, shackles, and wooden blocks for safe machine positioning. No rolling on bare floor without protection.

5 - Machine & Process Pre-Checks

Glue Pot & Gluing System

- Glue pot (3000 ml, PUR or EVA) inspected for damage in transit. Correct glue type available for the trim/board combination.

Milling & Slotting Units

- Milling cutter (200mm dia.) and slotting unit visually inspected. Guards intact, no shipping damage.

Banding, Trimming & Scraping Units

- Pressing rollers (4+4 pcs), end-cutting, trimming, and both-side scraping units checked for free movement.

Polishing Unit

- Polishing motors and buffing pads inspected; no exposed wiring or loose mounting.

Dust Extraction Ports

- All 3 dust extraction ports (ϕ 100mm) connected and tested for suction at each collection point.

6 - Resource & Personnel Readiness

Installation Team

- One electrician and one machine operator available for the full installation and training period.

Trial Materials Ready

- Board stock (min. 10 pcs, thickness 14-25mm, size \geq 250x150mm) and matching edge banding strip (0.5-2mm) available for trial runs.

Adhesive / Glue

- PUR or EVA hot-melt glue compatible with the substrate and edge strip type available on site for trial production.

Safety Equipment

- Heat-resistant gloves, safety glasses, and fire extinguisher (CO2 type) available in the machine area.

7 - Recommended Spares & Accessories

Milling Cutter (spare)

- One spare 200mm milling cutter of matching specification kept on-site.

Pressing Rollers (spare)

- A spare set of pressing rollers available as a running spare for the banding unit.

Glue (PUR/EVA)

- Adequate stock of the selected glue type available for continuous production after commissioning.

Trimming/Scraping Blades

- Spare trimming and scraping blades of matching specification kept on-site.

Edge Banding Strip Stock

- Adequate edge strip inventory (0.5-2mm) loaded for production immediately after commissioning.

Important Notice

If the listed requirements are not met and installation is delayed, a service charge of Rs 5,000 per day will apply. Lodging and boarding costs for the Caple service engineer during additional days must be borne by the customer.

CUSTOMER SIGNATURE & SEAL

DATE

AUTHORIZED BY

Service Head

Caple Industrial Solutions

Kindly sign, stamp, and return this checklist by email to sales@caple.in before the installation date.