

## PRE-INSTALLATION CHECKLIST

# Curve Edge Banding Machine

## DT-10XZ (DTMACH / 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	DT-10XZ (DTMACH)
Voltage	220V / 50Hz / 1-phase
Total Power	6.2 kW
Air Pressure	0.5 - 0.8 MPa
Glue Pot	2800 ml, 110-210°C
Edge Feed Speed	0-24 cm/s
Strip Width	12-70mm
Strip Thickness	0.5-3mm
Overall Dimensions	1010 × 800 × 1100 mm
Machine Weight*	~180 kg

\*Machine weight is indicative for the DT-10XZ machine class; Caple will confirm the exact figure against the final packing list before installation.

### 1 - Electrical Supply & Wiring

#### Single-Phase Power Supply

- Dedicated single-phase, 220V AC, 50 Hz power connection available at the machine location.

#### Cable Specification

- 3-core cable (phase + neutral + earth), minimum 4 mm<sup>2</sup> cross-section for the 6.2 kW load, run from the DB panel.

#### MCB Rating

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

#### Earthing & Bonding

- Dedicated earth pit with resistance  $\leq 5 \Omega$ . Machine body earthing point ready. Earthing wire connected.

#### Voltage Stabiliser

- Servo-controlled stabiliser (min. 10 kVA) arranged if incoming supply fluctuates beyond  $\pm 10\%$ .

### 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 0.5-0.8 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 0.5-0.8 MPa (adjust regulator on site if required).

### Pipe / Hose Size

- Minimum 3/8-inch (10 mm ID) airline from compressor to machine. Quick-connect BSP fitting at the machine end.

## 3 - Space & Civil Readiness

### Floor Area Cleared

- Min. 2,500 × 1,800 mm clear floor area available (machine footprint ~1010 × 800 mm + operator and service access on all sides).

### Floor Load Capacity

- RCC floor capable of bearing  $\geq 0.5$  t/m<sup>2</sup> (machine weight ~180 kg). Civil certificate available if required.

### Floor Levelness

- Floor levelled to within  $\pm 2$  mm over 1 m. Anti-vibration pads ready if specified.

### Door / Entry Clearance

- Entry door or passage clear for the packed crate dimension. Path from unloading point confirmed.

### Overhead Clearance

- Minimum 1800 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

### Trolley / Hand Pallet Truck Available

- A hand pallet truck or trolley (or 3-4 person manual lift) available for the ~180 kg packed crate on delivery day.

### Loading Access

- Clear path from the unloading point/dock to the installation position, free of steps or steep ramps.

### Pallet / Skid Removal

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

### Rigging Equipment (if needed)

- Slings and wooden blocks on hand for safe machine positioning. No dragging on bare floor without protection.

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## 5 - Machine & Process Pre-Checks

### Glue Pot & Gluing System

- Glue pot (2800 ml) inspected for damage in transit. Correct glue type available for the trim/board combination.

### Oblique Straight Edge Banding Assembly

- Edge banding assembly and micro switch sensor visually inspected. Guards intact, moves freely, no shipping damage.

### Feed Table & Rollers

- Worktable, guide rail, and pressure rollers checked for alignment and free movement.

### Air & Electrical Connections

- Pneumatic lines and electrical panel connections verified before first power-on.

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## 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 (particle board, MDF, or melamine) and matching PVC/ABS/veneer edge strip (12-70mm width, 0.5-3mm thickness) available for trial runs.

### Adhesive / Glue

- 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

### Edge Banding Cutter (spare)

- One spare cutter set matching the oblique-straight edge banding assembly kept on-site.

### Pressure Rollers (spare)

- A spare set of pressure/feed rollers available as a running spare for the banding assembly.

### Glue (EVA)

- Adequate stock of EVA hot-melt glue available for continuous production after commissioning.

### Edge Banding Strip Stock

- Adequate PVC/ABS/veneer/melamine strip inventory (12-70mm width) 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](mailto:sales@caple.in) before the installation date.