

PRE-INSTALLATION CHECKLIST

Nanxing NBF371

PUR Edge Banding Machine

Confirm readiness before scheduling installation. Standard configuration only; selected supply 415V/50Hz. Resolve the source discrepancies before connection, tooling setup and production release.

Machine Specifications

Parameter	Value
Alternative designation	NBF7PCG-PUR
Power supply / total power	415V/50Hz selected / 30 kW
Air inlet pressure	0.7MPa
Overall dimensions	11200×1050×1850mm
Approximate machine weight	6,110 kg
Honeycomb panel / edge	9-22mm panel / 1-2mm edge
Honeycomb feeding speed	12/16m/min
Extraction ports	125mm; count 8 vs 9 to confirm

1 Electrical Supply & Wiring

Approved supply and electrical drawing

- ☐ Selected supply: 415V/50Hz; OEM total power: 30 kW. Obtain Nanxing approval for the change from 380V, and confirm phase, full-load current, tolerance and complete connected load before connection.

Dedicated feeder, isolation and protection

- ☐ Have a qualified electrical engineer size cables, isolator, protective devices and any voltage-correction equipment from the approved drawing, cable route and local conditions.

Earthing and safety tests

- ☐ Provide protective earthing and bonding with recorded test results. The service engineer must verify supply and safety circuits before energising.

UTILITIES & SITE

2 Compressed Air

Operating inlet pressure

- ☐ Provide 0.7MPa at the machine inlet during operation. Confirm consumption, pipe size, inlet connection and pressure drop with Nanxing; these are not given in the PDF.

Air quality and local isolation

- ☐ Arrange filtration, drying and condensate removal to the OEM air-quality specification. Add lubricators only where required by the OEM.

Leak test and roller regulator

- ☐ Check hoses, fittings and pressure stability. The pressure-roller valve setting of 1.5-2.5 bar is separate from the 0.7MPa machine inlet requirement.

3 Space & Civil Readiness

Installation layout and panel flow

- ☐ Machine dimensions: 11200 × 1050 × 1850mm. Obtain the final layout including PUR heater, tape storage, operator positions, service access and infeed/outfeed. Machine dimensions alone are not the required installation area.

Floor support and levelling

- ☐ Approximate machine weight: 6,110 kg. Have a civil engineer verify floor support, point loads, anchors and levelling requirements from the OEM foundation drawing.

Access and working environment

- ☐ Check delivery-route and doorway clearances against the packing list. Keep access, lighting, ventilation and emergency routes suitable for installation, operation and maintenance.

DELIVERY & COMMISSIONING**4 Material Handling & Unloading****Shipment and lifting plan**

- ☐ Confirm packed weight, dimensions, centre of gravity and approved lifting points. A competent rigger must select equipment for the actual lift and load radius, not the approximate machine weight alone.

Unloading route and exclusion zone

- ☐ Arrange vehicle access and a clear movement route to the installation position. Secure the lifting area and keep unauthorised people outside it.

Receipt inspection

- ☐ Check machine sections, two-color PUR system, tools, cables and guards against the packing list. Photograph and report damage or shortages before commissioning.

5 Machine & Process Pre-Checks**PUR adhesive and heating system**

- ☐ Confirm compatible PUR grades, supplier safety data, operating temperatures, cleaning method and shutdown routine. Inspect heated tubes and connections; follow the OEM procedure for hot surfaces and adhesive handling.

Tooling, pressing and guarding

- ☐ Check pre-milling, tape feeding, roller/belt pressing, trimming, scrapers and buffing. Resolve the rough-trimming speed and buffing motor-allocation discrepancies before setup. Verify guards, interlocks and E-stops before any trial.

Extraction design and dust suitability

- ☐ Confirm 8 versus 9 ports, each stated as 125mm, and obtain airflow/static-pressure requirements. Use a competent specialist to assess the actual aluminium/composite dust and select suitable extraction; do not assume a wood-dust system is suitable.

Panel trials and acceptance

- ☐ For aluminium honeycomb use 9-22mm panels, 1-2mm edges and 12/16m/min as the source limits. Confirm the 80mm versus 50mm minimum-width discrepancy. Agree trials for bond quality, corner finish and dimensional acceptance.

Dust safety reference: OSHA notes that aluminium can be explosible in dust form under appropriate conditions.
<https://www.osha.gov/combustible-dust>

TEAM READINESS & SIGN-OFF**6 Resource & Personnel Readiness****Commissioning team**

- ☐ Make a trained operator, qualified electrician, maintenance contact and site representative available throughout installation and training.

Materials and inspection tools

- ☐ Arrange representative aluminium honeycomb panels, matching edge tapes, two approved PUR colors where required, release/cleaning agents and suitable measuring tools.

Safety training and handover

- ☐ Agree operating, adhesive-handling, cleaning and maintenance training. Record safety checks, trial results and any outstanding issues before production release.

7 Recommended Spares & Accessories**Matched tooling and wear parts**

- ☐ Agree spare pre-milling, end/fine/corner-trimming cutters, scraper blades, buffing consumables and pressure-system wear parts with Nanxing. Confirm exact part numbers and safe speed limits.

Maintenance and adhesive consumables

- ☐ Arrange approved lubricants, filters, PUR cleaning/purging materials and consumables. Spare quantities and consumables are recommendations, not additions to the supplied machine configuration.

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.