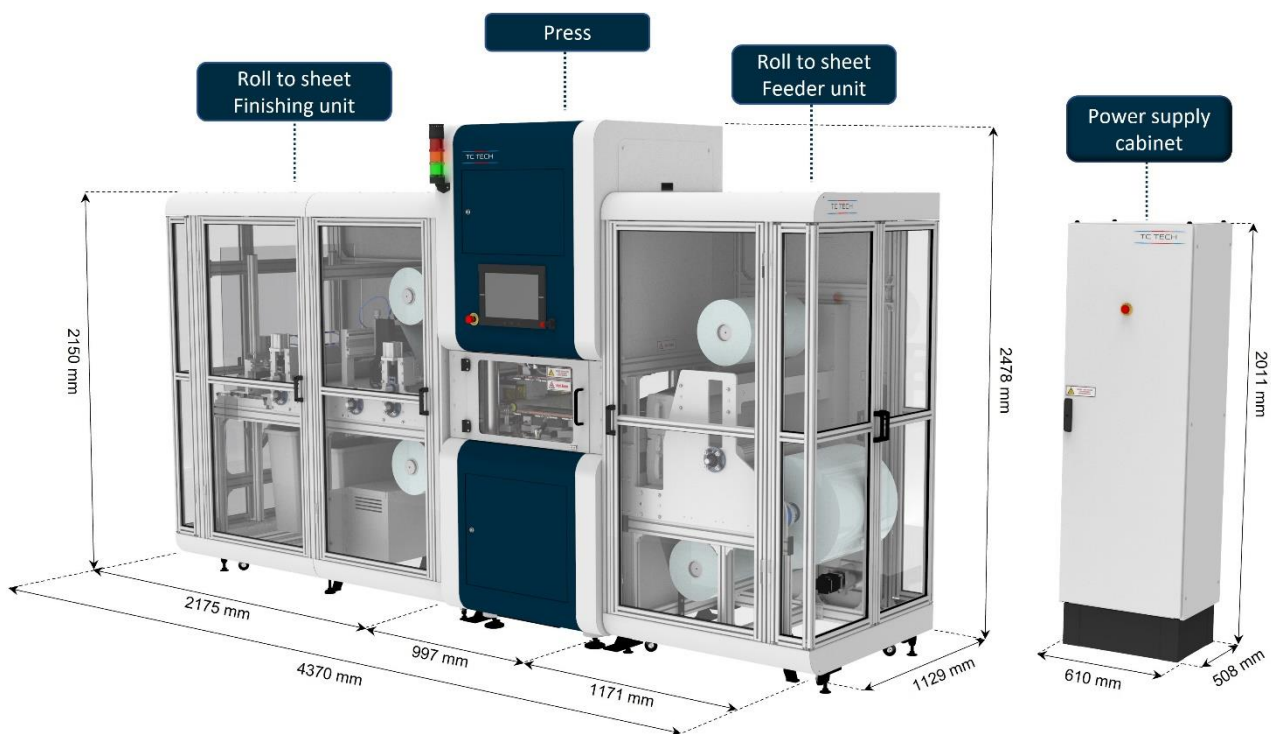


PRODUCT SPECIFICATION TCP 150 HPE

Dimensions

Roll to Sheet and press	
Total Footprint	4370 x 1129 mm
Press Height	2478 mm
Roll to sheet height	2150 mm
Total Weight	3650 kg (Excluding fluids)
Power supply cabinet	
Footprint	610 x 508 mm
Height	2011 mm
Weight	165 kg (Excluding fluids)



General

Double sided pattern	Yes
Cycle time	Down to 25 seconds/sheet (Depending on thickness, pattern, and material)
Thickness	Down to 0.1 mm
Material	Thermoplastics (PC recommended)
Application dimension	Up to 17"
Certification	CE

Embossing tool	Stamper size	Embossing area (QA)	Recommended plastic width
T6	404 x 260	350 x 210	440 mm
T10	424 x 285	370 x 235	470 mm

Press

Stand-alone compatible	Yes
Max force	750 kN
Max opening	145 mm
Hydrostatic pressure distribution	6 MPa (typical)
Alignment control	Automatic

Roll to Sheet

Plastic feed roll	ID 3" or 6"
Plastic roll width	Max 500 mm
Sheet cut	Automatic and adjustable

Embossing process

Heating of substrate	25°C to 200°C in 5 sec (typical)
Cooling of substrate	200°C to 50°C in 30 sec (typical)
Heating power	2 x 35 kW

Electrical

Rated voltage	400 VAC, 3-phase
Rated current	125 A fuse
Rated frequency	50/60 Hz
Average power consumption	7-8 kW (typical)

Cooling water Provided by customer

Temperature	15-20°C (No condensation on tool allowed)
Connection Press	1" hose connection x 4
Water flow Press	>60 l/min
Connection Power supply cabinet	3/4" hose connection x 2
Water flow Power supply cabinet	>5 l/min
Closed system	Inhibitor must be used to prevent corrosion e.g. Fernox FC1

Compressed air Provided by customer

Connection	1" hose connection
Free air delivery	At 7-10 bar: 1000 l/min, dew point below 3°C
Oil free meeting ISO8573-1 Class 3	

Vacuum Provided by customer

Connection	4 x PU12
Final pressure	Below 10 Pa
Vacuum pump	4 x 50 l/min (typical)

Facility Provided by customer

Clean room	Equal or better than ISO 6
Floor capability	Supporting 2000 kg/m ²
Celling height	Minimum 2,7 m
Access area	6,3 x 3,3 m
Temperature	22-25°C
Humidity	No condensation on tool allowed (typical 40-50%)

Access area

