

## CHARACTERISTICS

- Transformed part traceability
- Energy savings (multi zones regulation / calorie recovery)
- Interfaces planned for peripheric installation (automatic loading and unloading)
- Complete secured production line
- Hydraulic actuators deported under the composite material to avoid pollution
- Easy accessibility for maintenance

## AVAILABLE DIMENSIONS

	Technical characteristics	References							
		TMP 500	TMP 700	TMP 800	TMP 1000	TMP 1200	TMP 1500	TMP 2000	TMP 3000
Press	Platens length (mm)	500	700	800	1000	1200	1500	2000	3000
	Platens width (mm)	400	400	500	600	800	800	1000	1200
	Opening maximum height (mm)	400	400	500	600	600	800	800	900
	Minimum HOF (mm)	100	100	100	200	200	250	250	300
	Maximum closing effort (T)	30	45	70	110	180	230	400	750
	Maximum closing pressure (bars)	50	45	40	40	35	35	35	35
	Maximum closing pressure with mould automatic flanging option (bars)	30	30	30	30	30	30	30	30
Part	Maximum part height (mm)	120	120	140	180	180	200	250	300
	Maximum part length (mm)	300	480	560	730	900	1180	1590	2440
	Maximum part width (mm)	200	200	300	380	560	560	690	880
	Maximum part width with automatic mould flanging option (mm)	300	300	400	480	680	680	840	1040

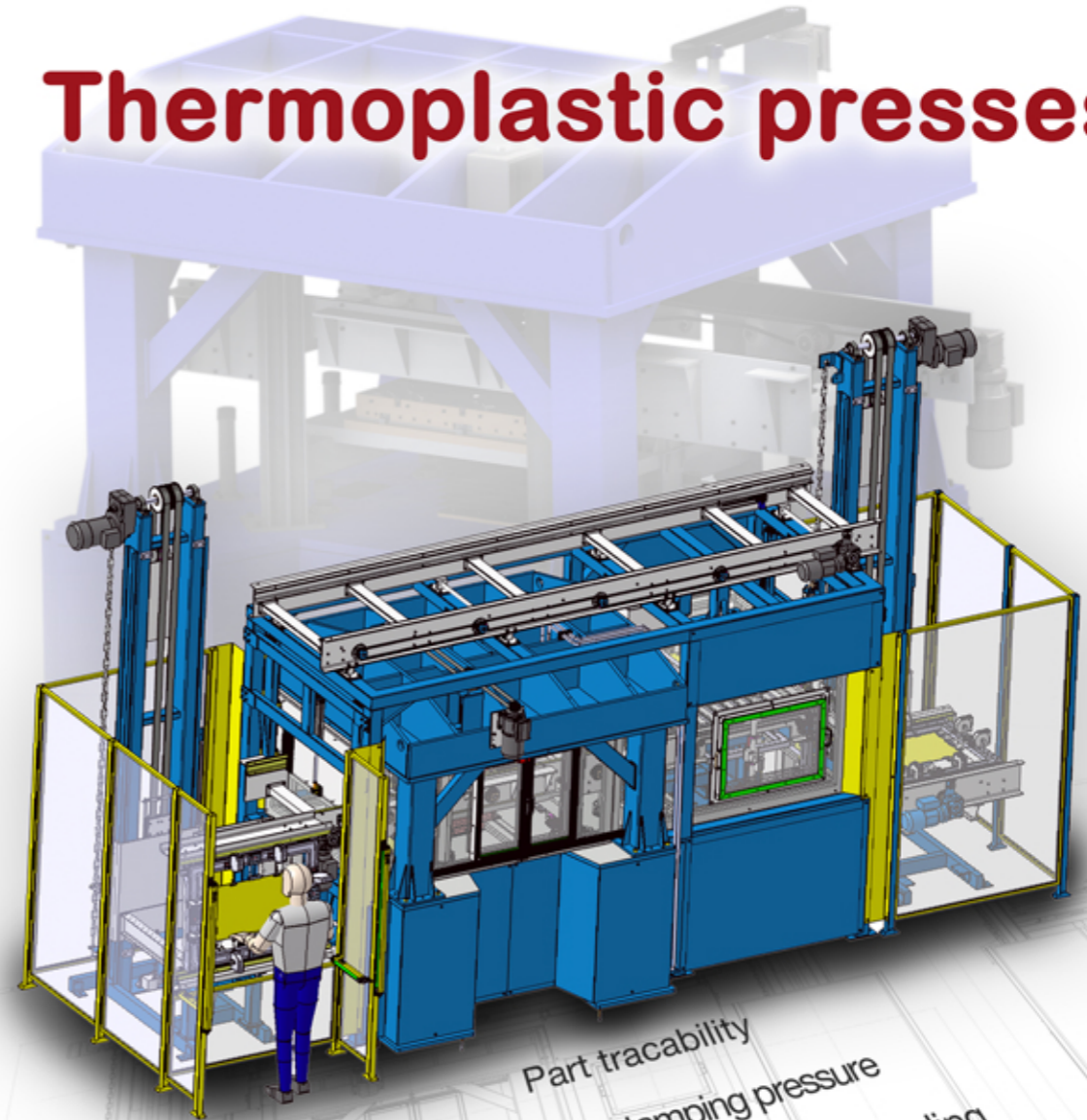
## OPTIONS

- Press platens cooling
- Thermal scanner for material temperature cartography before stamping
- Automatic loading station
- Automatic unloading station
- Mould changer + mould pre heating station
- Mould automatic flanging



Techni-modul Engineering  
 Z.A. De Perache  
 63114 COUDES  
 FRANCE  
 Tél. : +33 473 545 330  
 Fax : +33 473 559 635  
 info@techni-modul-eng.com  
 www.techni-modul-engineering.eu

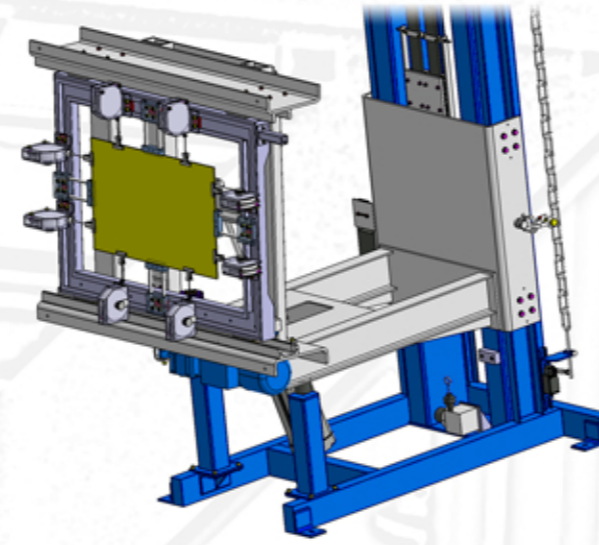
# Thermoplastic presses



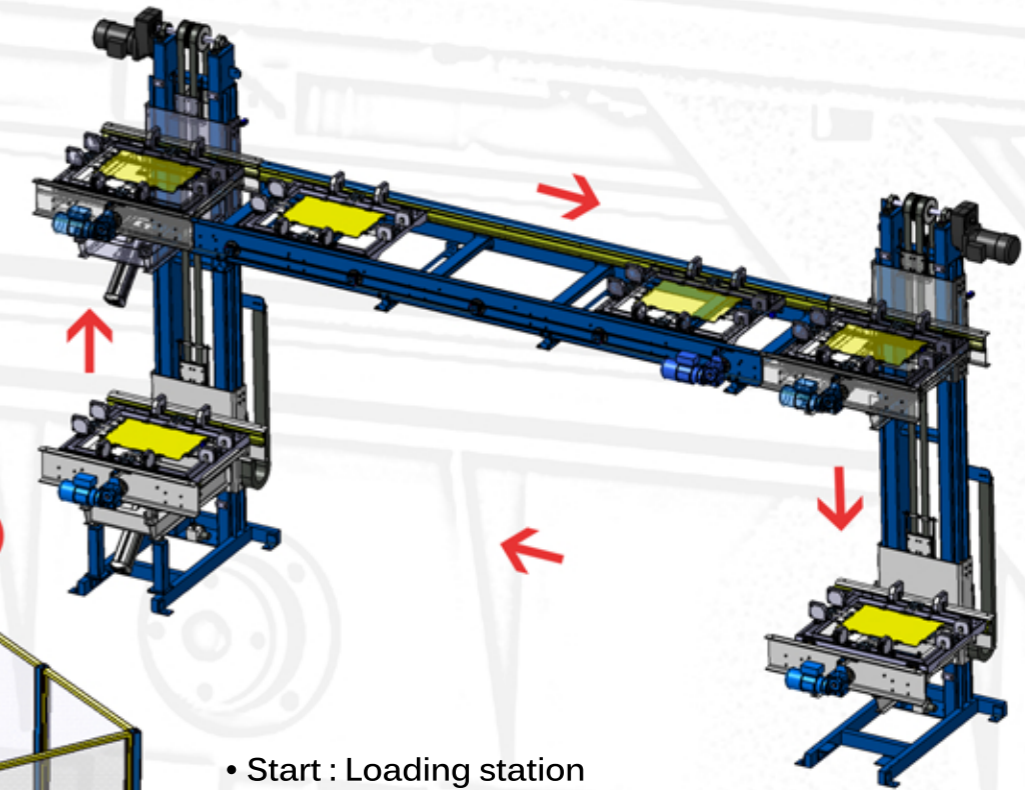
- Part tracability
- Adjustable stamping pressure
- Material manual loading / unloading
- Material IR pre heating up to 450°C
- Mould heating and regulation up to 280°C
- Material temperature control before transformation

## 1 Material loading station

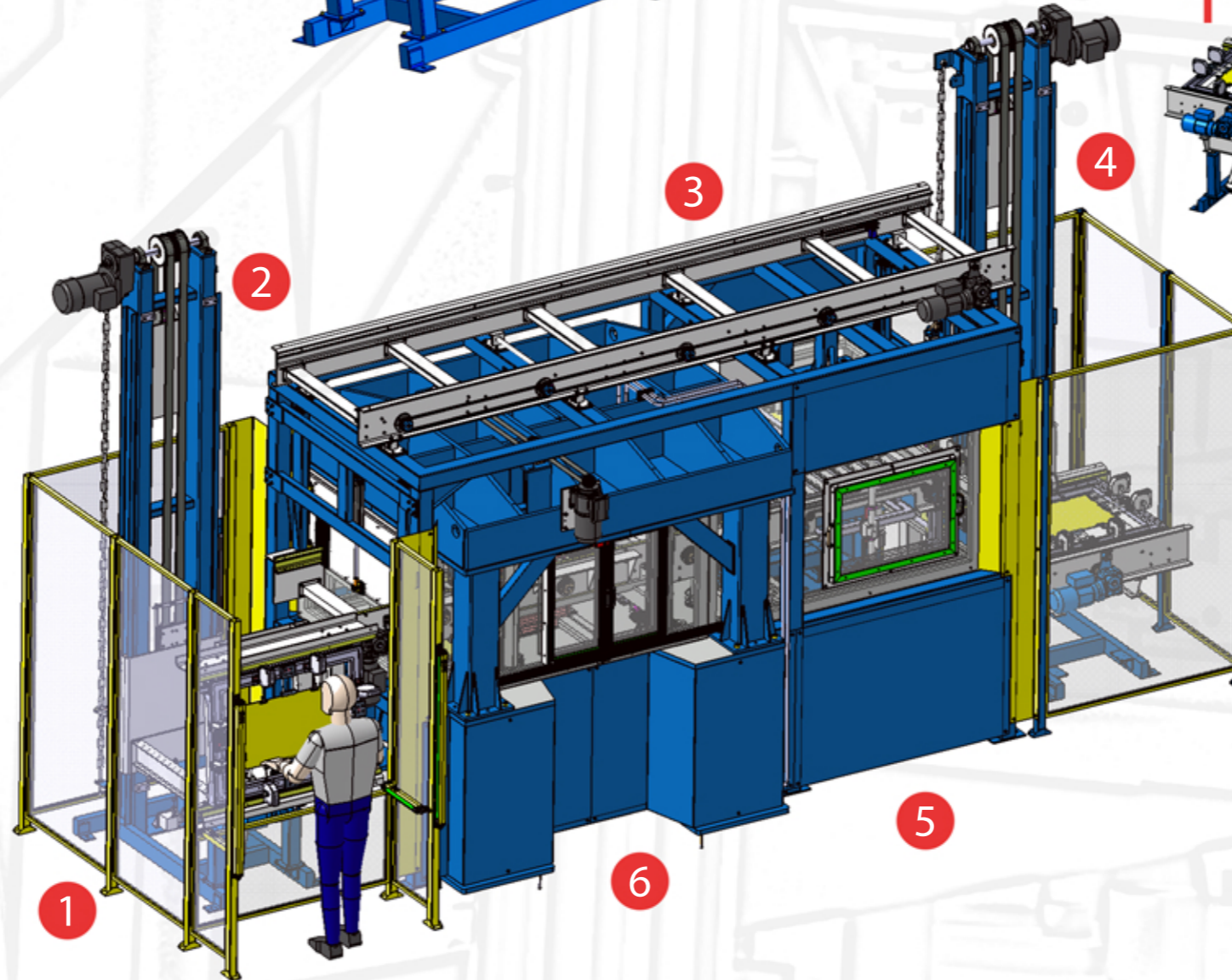
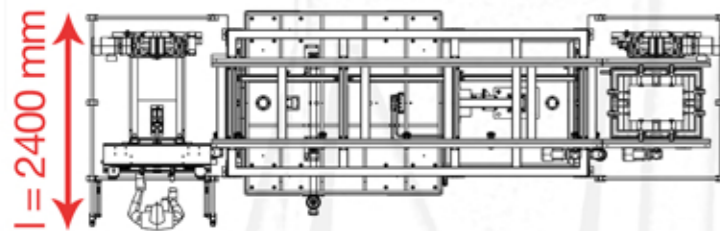
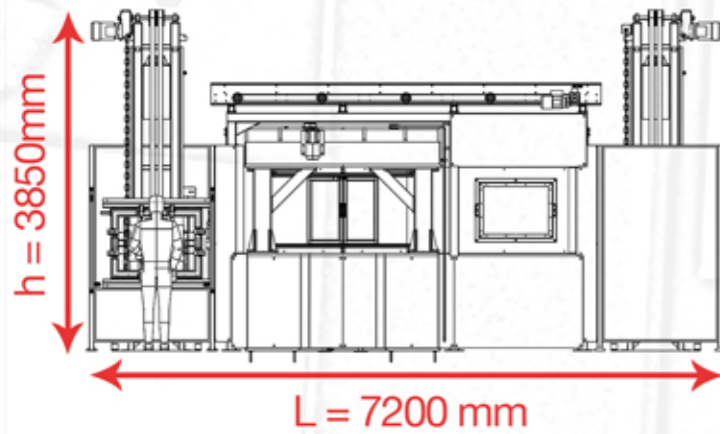
- Material manual insertion
- Mechanical stops for a material positioning in reference
- Material handling grip with an adjustable tension
- Tilting of the loading station at 85°



## 2 + 3 + 4 Material handling system transfer and positioning for transformation



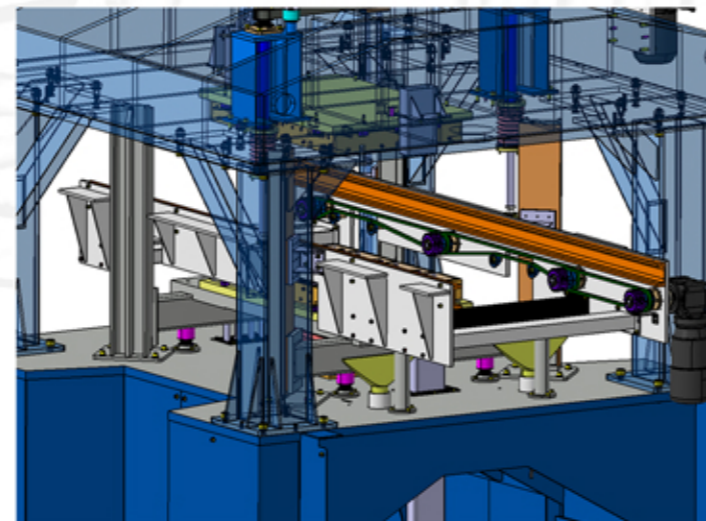
TMP 800 layout



- Start : Loading station
- Arrival : Infrared oven entry
- Squared cycle for serial transformation

## 6 Stamping press

- Mobile lower platen
- Fix upper platen
- Adjustable stamping pressure
- Material rapid approach up to the sealing surface
- Mould heating and regulation up to 280°C by electric heating platens
- Return to the loading station



## 5 Infrared oven

- Infrared radiation on top and bottom faces of the material
- 8 regulation zones by pre heating platen
- Temperature control by infrared pyrometers
- Adjustable distance between the pre heating platens

