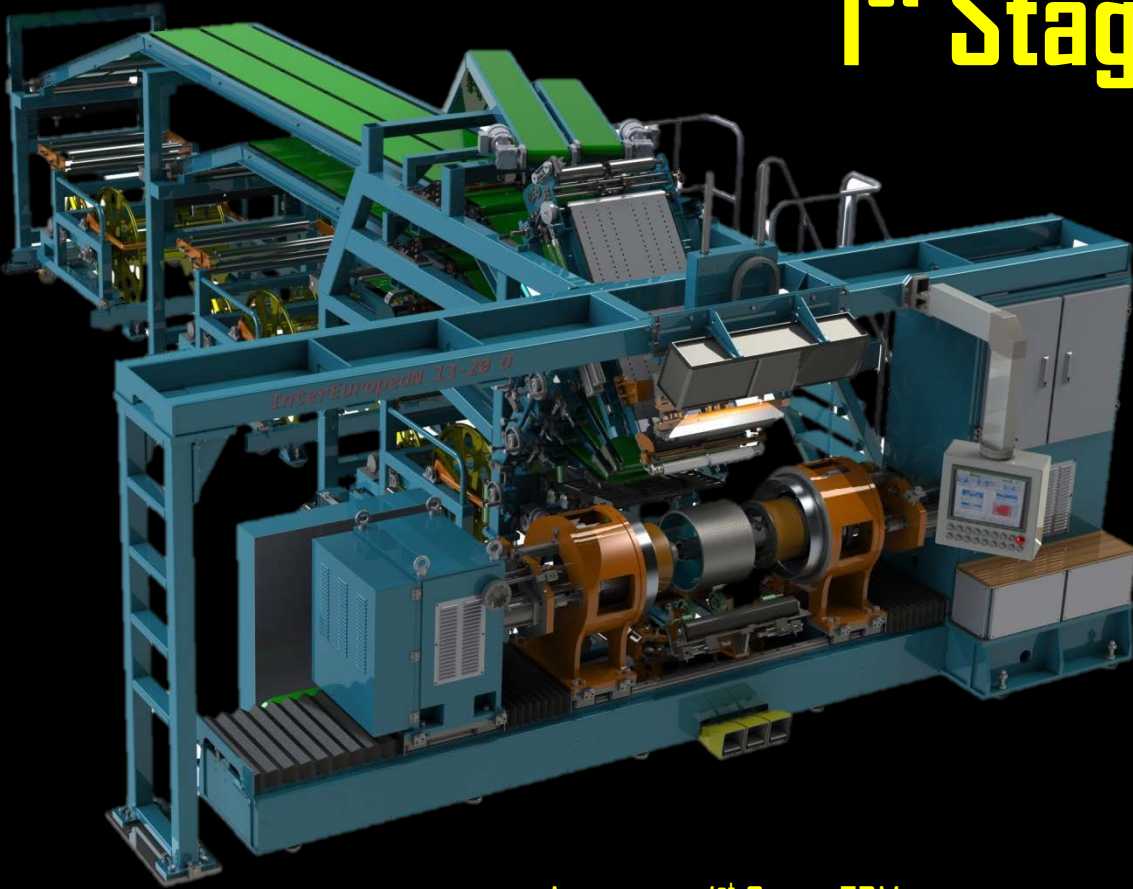


# 1<sup>st</sup> Stage TBM



## Automatic 1<sup>st</sup> Stage TBM For PCR & LT tires

The Intereuropean 1<sup>st</sup> Stage & 2<sup>nd</sup> Stage TBMs provide a fully automatic solution for building high performance tyres with 2-stage technology.

The 1<sup>st</sup> Stage TBM is equipped with active guiding systems for all the rubber components, automatic cutting and application systems, finger ply down and bladder turn-up technology, advanced control and supervision system with touch screen computer interface and advanced recipe management and diagnostics.

The machine cycle time is as low as 45 sec per tyre in fully automatic mode. The operator only check visually machine operation, unloads the finished carcasses from the drum at the end of each cycle and loads new beads into the machine.

Machine configuration can be adapted to any customer's specifications, including 1 or 2 plies, steel or textile chafers etc.



**Machine Body**

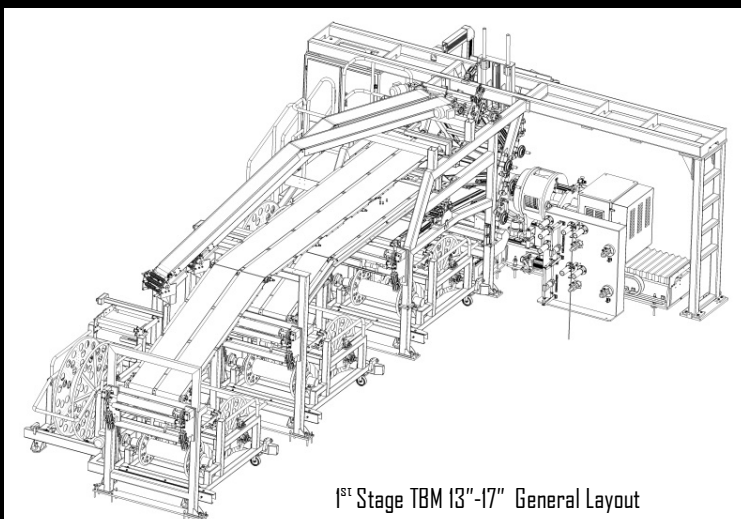
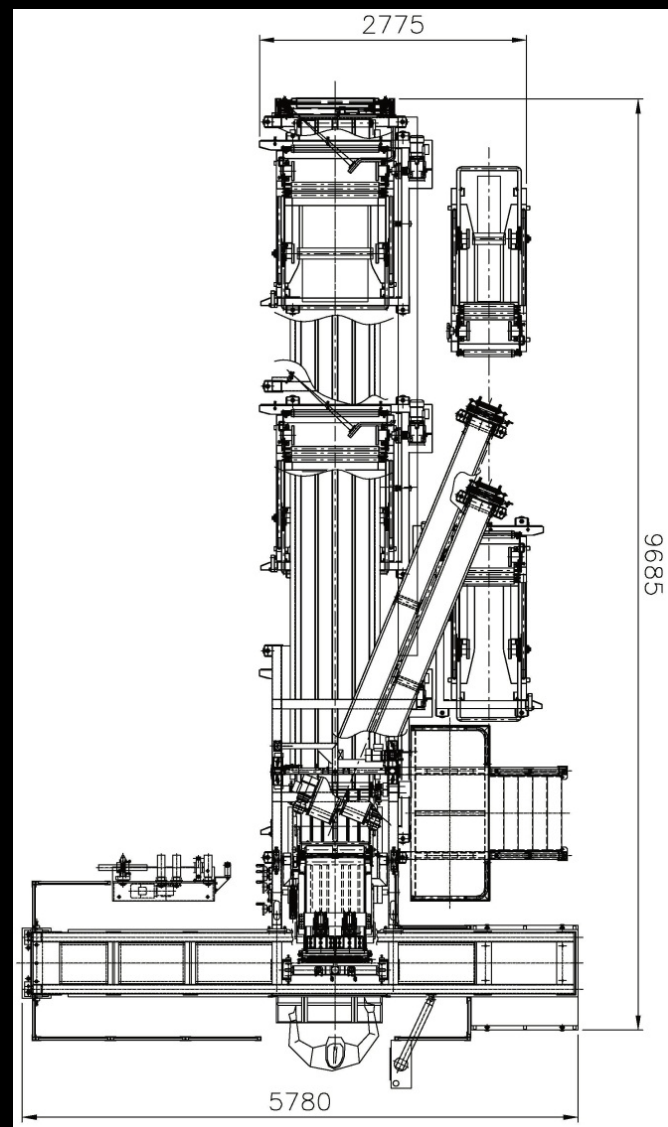
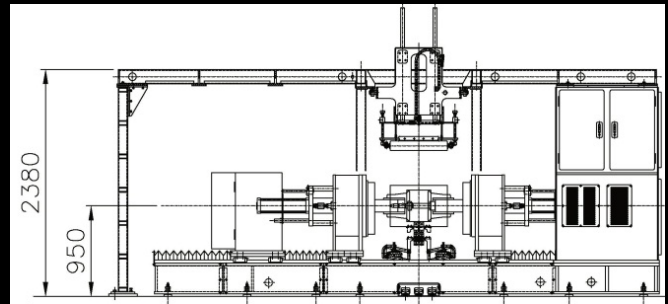


**Automatic Servicers**

# 1<sup>st</sup> Stage TBM

## for PCR & LT Tires

Technical Data	Values
Bead Diameter (optional)	13"-17" (15"-20")
Drum width (optional)	250mm-550mm (250mm-600mm)
Innerliner width (optional)	720mm (800mm)
1 <sup>st</sup> Ply width (optional)	720mm (900mm)
2 <sup>nd</sup> Ply width (optional)	720mm (900mm)
Sidewalls width max (optional)	240mm (300mm)
Textile chafers width (optional)	(30mm - 50mm)
Cycle time per carcass	Approx. 45 sec.
Operators required	1 machine operator
Required floor space (with 2 plies configuration)	5.780mm x 9.685mm
PLC type	Allen Bradley SLC 5000
Pneumatics	FESTO
Main power supply voltage	380 V / 50 Hz / 3 phase
Control Voltage	220V / 48V / 24V
Pressure (dry air)	6 bar
Vacuum	By supplied vacuum pump



1<sup>st</sup> Stage TBM 13"-17" General Layout

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