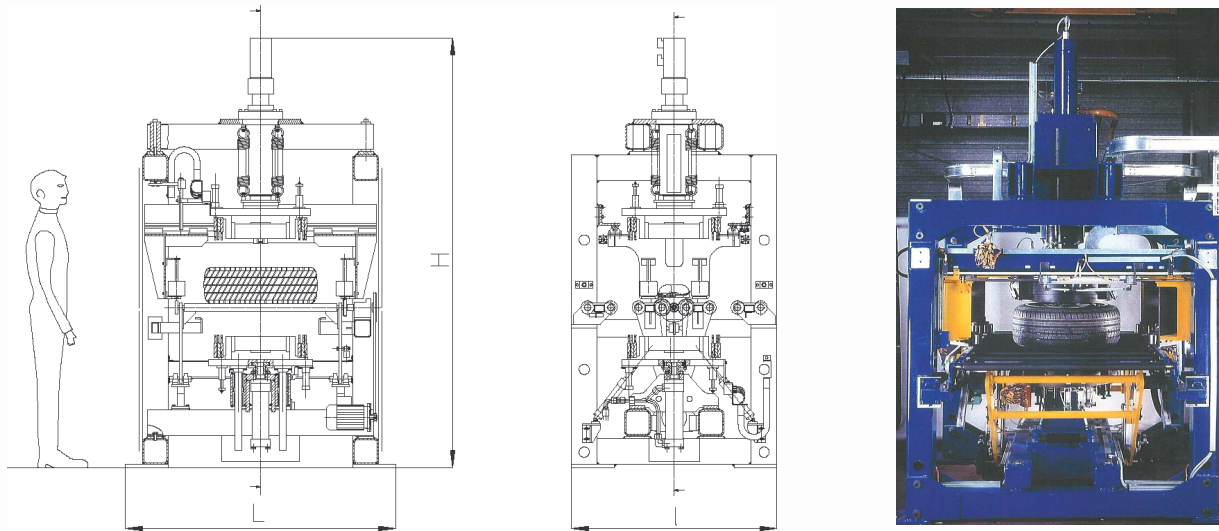
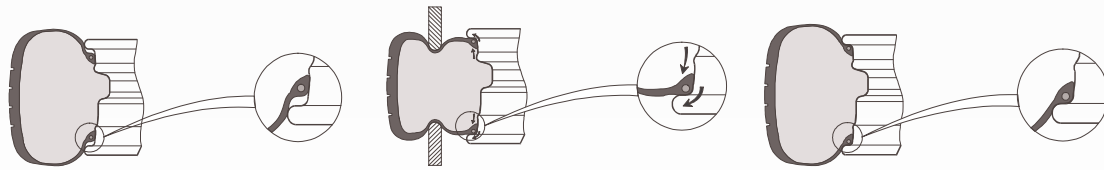


# BEAD POSITIONING MACHINE

## FUNCTION

To compress the two sidewalls of an inflated tyre wheel assembly (TWA) in order to correctly position the beads against the rim flanges (hooks).



## ADVANTAGES

- ATAMEC bead positioning machine ensures the good positioning of the beads on the rim, which allows:
  - To ensure a balancing with a TWA in stabilized conditions, which limits returns of products\*.
  - To limit the risks of tyre slipping with respect to the wheel (acceleration, braking).
  - To reduce the radial force variation caused by the mounting operation: a measured reduction that reaches up to 37% of the VRH1 with ATAMEC bead positioning machine.
- ATAMEC bead positioning machine works whatever the manufacturers
- The bead positioning performed by an ATAMEC machine thanks to concentric rings, symmetrically axed with respect to the TWA, doesn't damage the TWA conicity, which is not the case of other processes.
- Easy integration of the machine on a production line (new or existing one) between the inflating and the balancing stations.

\* As long as the other operations of the process assembly, balancing and storage are performed in good conditions.

## DESIGN

- All operations are done on the same single compact station for a simplicity and an optimal ergonomics.
- A loading/unloading conveyor and a centring function allows a proper positioning and a good support of the TWA during the bead positioning.
- External centring of the TWA.
- Rings and depth of compression are automatically adjusted depending on the size of TWA.

## TECHNICAL DATA

Machine built according to ATAMEC BSMA INGENIERIE 's standards (according to EC standards).  
 Technical specifications adaptable on request to other standards.

### Hydraulic versions

	Machines dimensions	Dimensional ranges
<b>MPT 1</b>	Length : 1600 mm Width : 1300 mm Height : 2700 mm Weight : 2000 kg	Max. height covers : 285 mm Max. Ø covers : 825 mm Ext. Ø wheels : 18 " Ranges of wheels : 13 to 18 " Cycle time : 10 to 12 sec.
Maximum number of rings : 4 (V1/2/3/4 or V2/3/4/5)		
<b>MPT 2</b>	Length : 1800 mm Width : 2000 mm Height : 2800 mm Weight : 2500 kg	Max. height covers : 310 mm Max. Ø covers : 850 mm Ext. Ø wheels : 20 " Ranges of wheels : 15 to 20 " Cycle time : 12 to 14 sec.
Maximum number of rings : 5 (V2/3/4/5/6)		
<b>MPT 3</b>	Length : 1800 mm Width : 2000 mm Height : 2800 mm Weight : 2500 kg	Max. height covers : 400 mm Max. Ø covers : 900 mm Ext. Ø wheels : 22 " Ranges of wheels : 13 to 16 "-----14 to 20 " 15 to 21 "-----16 to 22 " Cycle time : 10 to 12 sec.
Maximum number of rings : 5 (V1/2/3/4/5-----V2/3/4/5/6-----V3/4/5/6/7-----V4/5/6/7/8) Or 6 (V2/3/4/5/6/7-----V3/4/5/6/7/8)		

### Pneumatic version

	Machines dimensions	Dimensional ranges
<b>MPT 1</b>	Length : 1600 mm Width : 1350 mm Height : 2600 mm Weight : 2000 kg	Max height covers : 220 mm Max. Ø covers : 760 mm Ext. Ø. wheels : 17 " Ranges of wheels : 13 to 16 and even 17 " Cycle time : 12 sec.
Maximum numbers of the rings : 4 (V1/2/3/4)		