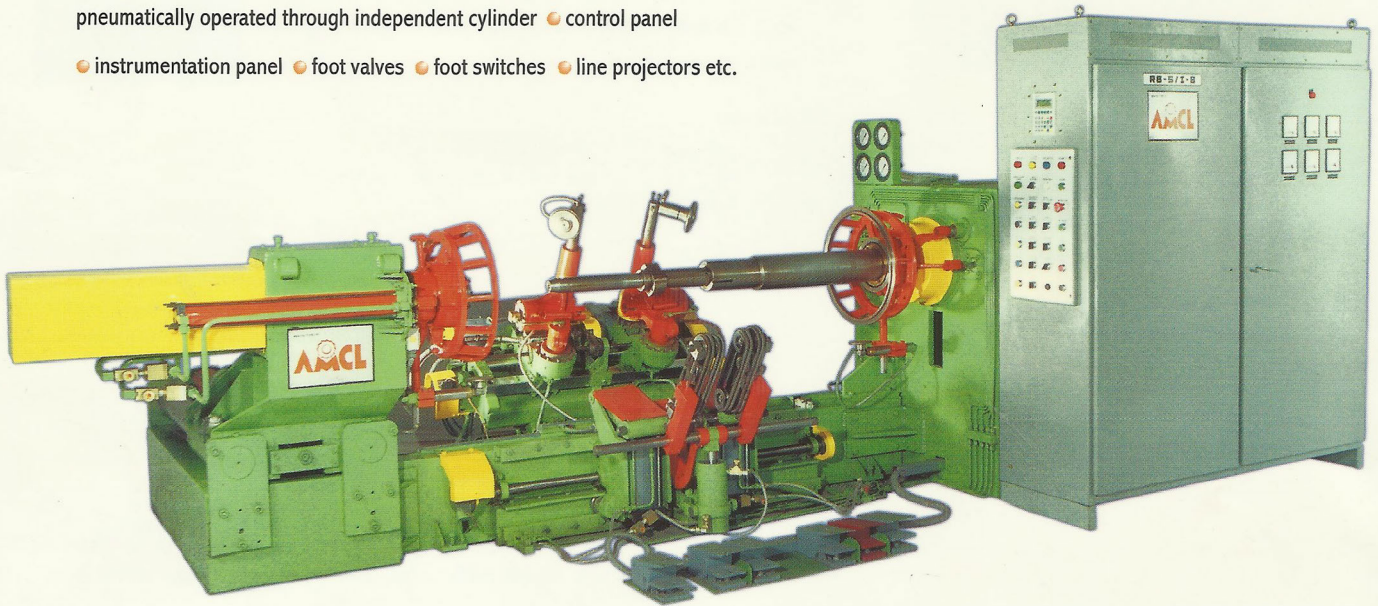


# TRUCK TYRE BUILDING MACHINE RB5 / 1

## Construction Features

- Head stock assembly with hardened and tempered main drum shaft
- zero speed drum collapsing system
- spring belted plydown mechanism
- triaxial stitcher
- ply and tread stitcher
- flipper stitcher
- tail stock design outer bead setter, inner and outer bead setter are pneumatically operated through independent cylinder
- control panel
- instrumentation panel
- foot valves
- foot switches
- line projectors etc.



## Exclusive Features

- Incorporates state of the art PLC control
- Complete tyre building operation programmed
- Auto / Jog mode facility available
- Position control through pulse encoders in conjunction with PLC ensuring productivity, precise control, improved quality and easy setting
- PLC programme provides facility for drum spotting for desired angle through operator panel
- In Auto mode, after execution of each step, only one common step execution push button / foot switch is actuated to execute next step as per programme
- Step number display provided and also fault / alarms provided
- Dynamic braking provided for all 3 speeds for main shaft / drum stoppage
- Rear and Front brakes are bellows type brake
- Auxiliary drums with ply turning around the bead also available (optional)
- Optional items : Tyre building drum, Servicer, Ply cups, etc.
- Tractor Rear and OTR Tyre Building Machines of similar design features are also manufactured.
- Specifications to suit customised designs requirements can be incorporated.

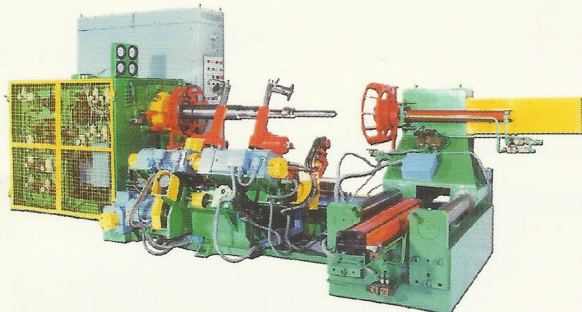
Technology by LEONH HERBERT MACHINENFABRIK, GERMANY



AMCL Machinery Ltd.  
(HNGIL Group of Companies)

## Truck Tyre Building Machine RB5/1

AMCL's complete range of tyre building machines are manufactured to internationally accepted designs and have further been specifically matched to suit the Indian tyre Industry, thus ensuring consistently high productivity of quality tyres.



These machines feature different controls such as Manual, Semi-Automatic or Fully Automatic with varying degrees of sophistication and details. Additionally, safety features built into the design make the operations free from unintended errors.

### Ply / Tread Stitcher

- Completely independent ● Sturdy design with stitcher rollers supported with double fork link mechanism to provide rigidity
- Lead screw is provided with split nut & angular contact anti-friction deep groove ball bearing ● Three pressure stitching provided
- Special stitcher roller design ensures zero air trap at the centre.



### Triaxial Stitcher

- With dual tool capable of moving in all three axis with independent drive for each axis ● Capable of performing turn down, contour stitching, bead stitching, toe stitching and tyre stripping
- Dual stitching tool contacts the tyre under controlled pressure by pivoting about the rigid centre line tool support post ● Radial strip out operation incorporated.



### Basic Specifications

Product Size	8.25-20 to 12.00-24
Type	Band method or Single Ply method
Max. Band Overhang (mm)	250 each
Max. Bandwidth (mm)	1400
Drum Diameter (mm)	530 to 860
Drum Width (mm)	450 to 750
Drum Center Height (mm)	1050
Drum Shaft Speed (rpm)	3 Speed 254 / 153 / 47
Main Drive Motor	3 Speed AC/DC Fan cooled with Thermal Protection
Ply / Tread Stitcher Motor	0.7 KW - 1500 RPM DC Motor with Two Speed setting range
Radial Motor	AC - TEFC 0.55 kw 1500 rpm with Brake
Traverse Motor	AC - 0.55 kw Geared Motor with Brake
Contour Motor	DC - TEFC 0.55 kw Two Speed with Lower Speed Infinitely Variable
Main Shaft Drive	6 kw Special Duty

☞ In view of continuous product development, the information given herein is likely to change without prior notice.

### Yesterday's Pioneer ... Today's Leader.

For over two decades, AMCL has been turning the wheels of the Indian Tyre Industry, sourcing advance solutions from World leaders like Leonh Herbert Maschinenfabrik GmbH, Germany; Midland Tyre Machinery Co. Ltd., U.K.; Kobe Machinery Co. Ltd., Japan and KOBE STEEL, Ltd., Japan. Recognised as the pioneer in Rubber and Tyre machinery in India, AMCL shall remain the expert one stop source for all requirements of the industry. It stands committed to provide innovative technology advances to the emerging needs of its valued customers.



### AMCL's Tyre Manufacturing Machinery range :

- Tyre Building Machines - (Scooter - Rear Tractor Tyre)
- Mixing Mills ● Mixtron BB series Mixers ● Tube Curing Presses
- Hot Feed Extruders ● Bladder Curing Presses ● Tube Splicers
- CUREX-B & AUBO Range Tyre Curing Presses
- 2/3 Roll Calenders ● Cooling Lines for Extruder & Calender



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