

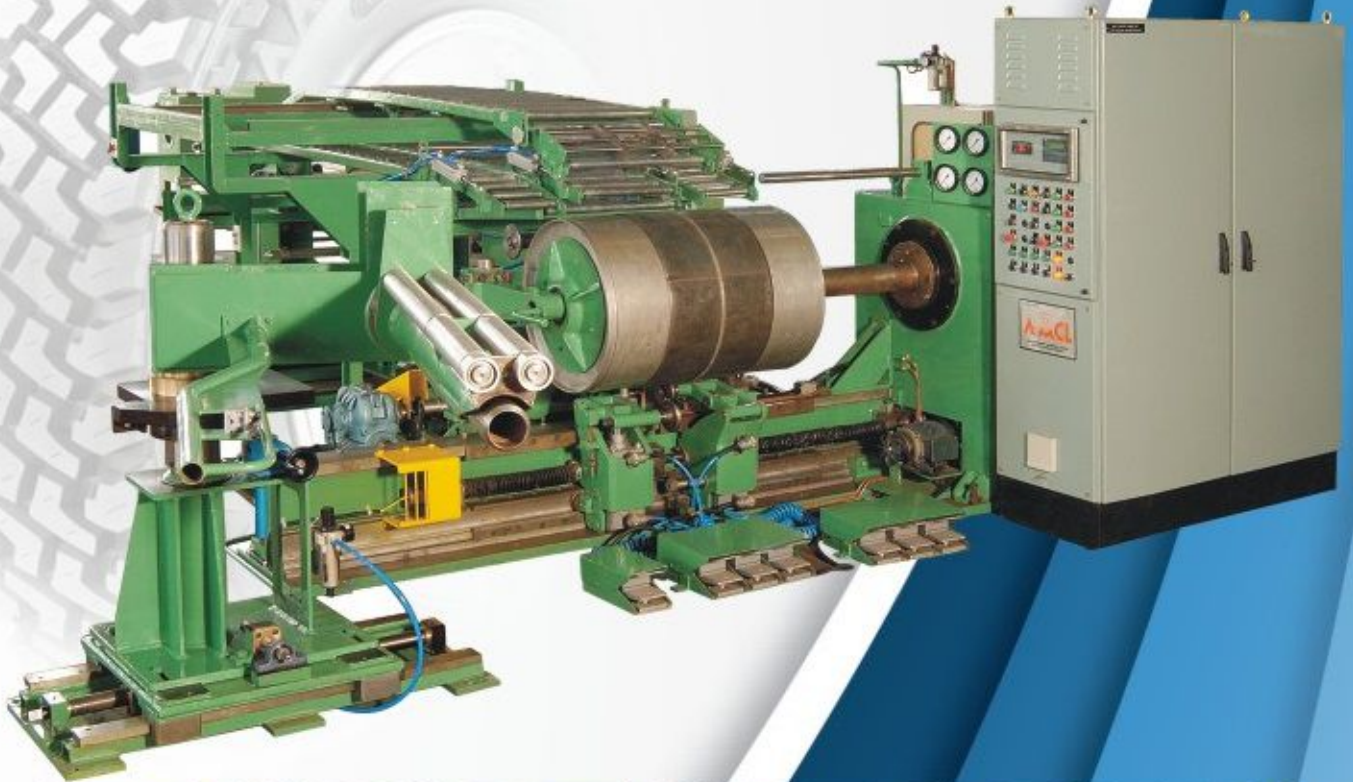


AMCL – A Solution Provider and Profit Optimizer



AMCL Machinery Limited

TYRE BUILDING MACHINE FOR TRUCK & LCV



Technology Sourced from World Leaders



AMCL MACHINERY LIMITED
(HNGIL Group of Companies)



Truck Tyre Building Machine Model RB 2022

Product size	Dual Bead Truck Tyres 20" to 22" & Single Bead Tyres From 18" to 24".
Type	Ply/Band method of Tyre Building
Drum Dia	Minimum 625 mm to Maximum 705 mm
Drum Shoulder Set	381 mm to 737 mm
Drum Centre Height	890 mm
Max. Ply/Band Width	1117 mm
Max. Ply/Overhang (each side)	228 mm
Drum Centre Distance	1220 mm.
Ply/Tread Stitcher Motor	1116 / 558 mm/min. (0.55/0.20 KW x 1380 / 660 RPM dual speed A.C. \Motor with Brake)
Radial Motor	0.55 KW x 900 RPM with brake (348 mm/min)
Traverse Motor	Dual Speed A.C. Motor 0.55 / 0.2 KW x 1380 / 660 RPM with brake (348 mm/min)
Rotary Motor	A.C Motor with VFD 1.0 KW x 1400 RPM (8.57 RPM or 51 25' / sec.)

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

Exclusive Features

- 1) Incorporates state of the art PLC Controls.
- 2) Complete Tyre Building cycle programmed.
- 3) Position control through pulse encoder in conjunction with PLC ensuring productivity, precise control, improved quality and easy setting.
- 4) User friendly man – machine interface.
- 5) In built safety feature built into design makes operation free from unintended errors.

Dual Bead LCV Tyre Building Machine Model RB 1619 TS

Product size	Dual Bead LCV Tyres.
Type	Ply / Band method of Tyre Building.
Drum Dia	495 mm
Drum Shoulder Set	370 – 620 mm. Maximum
Max. Ply/ Overhang	175 mm.
Drum Centre Height	870 mm.
Max. Ply/Band Width	965 mm.
Drum Centre Distance	1075 mm.
Ply/Tread Stitcher Motor	798 mm/min. (0.55 KW, 133 RPM Geared Motor Suited for VFD)
Traverse Motor	0.37 KW x 114 RPM Geared Motor with Brake 342 mm/min.
Radial Motor	0.37 KW x 1500 RPM A.C. Motor with Brake (250 mm/min.)
Rotary Motor	0.55 KW x 1000 RPM A.C. Motor with Brake and VFD

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



Exclusive Features

- 1) First machine developed indigenously for heavy duty Dual Bead LCV Tyres
- 2) Robust Tri-axial Bead Stitcher Assembly.
- 3) Sophisticated state of the art control (PLC).
- 4) Reduced operator fatigue.
- 5) Quick set up change over facilities during change of production program.



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Constructional Features

- 1) Head Stock Assembly with hardened and tempered drum shaft, quill shaft, 3 speed A.C main drive motor, zero speed drum collapse mechanism.
- 2) Center Base Assembly is aligned and fitted to head stock assembly, ply and stitcher assembly installed in front and bead stitcher assembly at rear side.
- 3) Bead Setter Assembly performs 'Bead Set' & 'Pull Out' operation by combination of air cylinder.
- 4) Spring Ring Ply Pull out assembly is provided for automatic ply pull out for ply turn up operation.
- 5) Tri-axial Stitcher Assembly with dual tool capable in moving in all 3 axis performs turn down, turn up bead stitching, bead toe stitching & tyre stripping operation.
- 6) Ply & Tread Stitcher performs ply/band stitch, and side wall stitch operation by a double acting pneumatic cylinder in combination with traverse movement by an independent motor.
- 7) 3 speed A.C. Main Drive Motor or single speed A.C. motor with VFD.
- 8) Pneumatic Control Panel with reputed components.
- 9) Control Panel with PLC for Auto Sequence Operation.

AMCL's Range of Rubber, Tyre & Tube Machinery

- Mixtron BB Series Mixers
- Mixing Mills
- Hot Feed Extruders
- Calender with line equipment
- Bias Tyre Building Machines
- Bladder Curing Presses
- Tyre Curing Presses
 - Auto Type, Curex B Type
- Tube Curing Presses
- Tube Splicing Machines
- Semi Auto/Auto PCI Units
- Servicers for Tyre Building Machines

Yesterday's Pioneer...Today's Leader

For over four decades, AMCL has been turning the wheels of the Indian Tyre Industry, sourcing advance solutions from World leaders like Leonh Herbert Maschinenfabrik, Germany; Midland Tyre Machinery Co. Ltd., U.K.; Kobe Machinery Co. Ltd., Japan, and KOBE STEEL LTD., Japan. Recognized 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.



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