

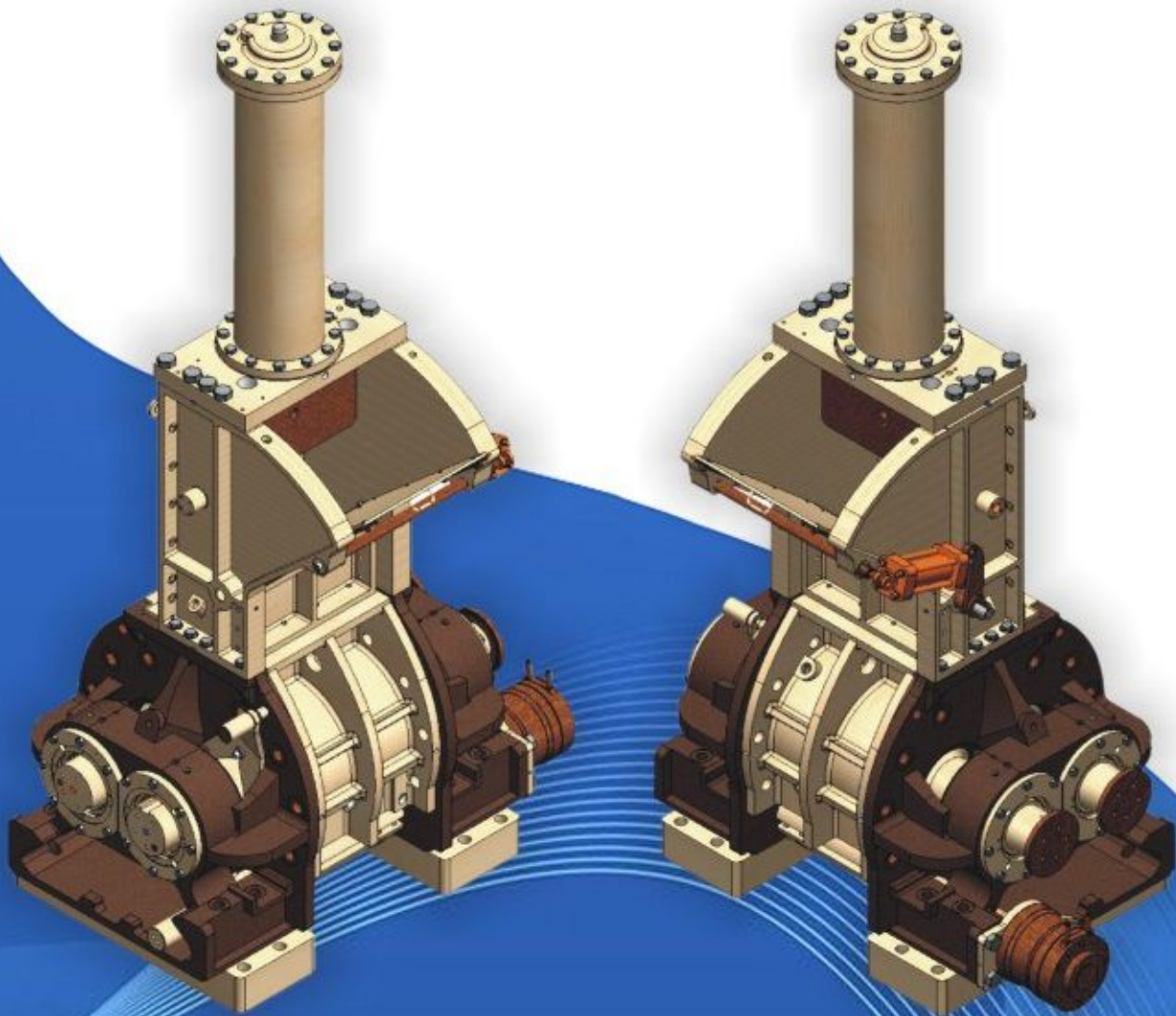


AMCL – A Solution Provider and Profit Optimizer



AMCL Machinery Limited

MIXTRON BB SERIES MIXERS



Technology Sourced from World Leaders



AMCL MACHINERY LIMITED
(HNGIL Group of Companies)

MIXTRON BB SERIES MIXERS

Mixtron BB Series mixers are highly versatile range of batch mixers for the rubber industry. Backed by the international technology of Banbury Mixers, which KOBE STEEL LIMITED, JAPAN produced under license for many years, the new Mixtron BB Series are outcome of over four decades of research, development and innovation.

Mixtron BB Series sports following features:

- High Productivity
- Consistent and Uniform Mixing
- Minimum Energy Input
- Least Maintenance

Mixtron BB Series Mixers incorporates many exclusive features such as:

- 4 Wing Horizontal Rotor
- Mechanically Driven Ramming System
- Even – Speed Mixing System
- Optimum - Orientation



Specification		Model		
		BB-76	BB-160	BB-270
Net Chamber Volume (Its.)	2 WS Rotor	76	160	270
	4 WH Rotor	68	142	255
Nominal Batch Capacity (kgs)	2 WS Rotor	65	120	220
	4 WH Rotor	51	105	191
Nominal Mixing	Rotor Speed (rpm)	30	30	60
	Motor Power Capacity (kW)	150	355	1200
High Power Mixing	Rotor Speed (rpm)	37	40	60

Mixtron BB Rotor

Rotor is the heart of the Mixtron BB Mixers. Intensive research and development have gone into design of this critical component to ensure superior batch mixing. AMCL offers rotor designs for each mixer model based on the material and conditions of mixing.

2WS Rotors are normally fitted in BB 76 Mixers.
4WH Rotors are for BB 270 mixers.

2 Wing Standard Rotors

The 2 Wing type of rotors are particularly effective for a wide range rubbers.

4 Wing Horizontal Rotors

The 4 Wing type of rotors are particularly effective for a wide range rubbers.



High Speed Mixing:

High quality and productivity of one or more size upper class conventional rotors can be accomplished by combining the optimal chip clearance and rotating speed based on technologies of 4 Wing Horizontal rotors.

Discharge Door:

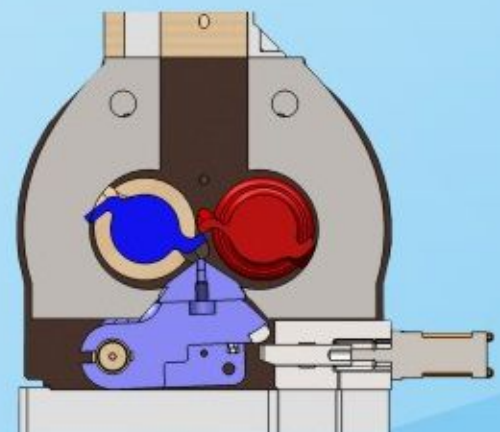
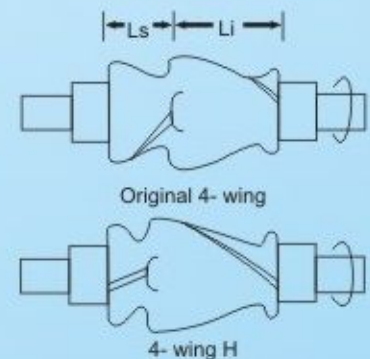
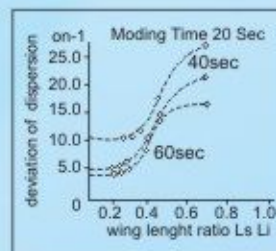
A drop door beneath the mixing chamber facilitates rapid unloading of the mixed batches to minimize the cycle time. The leak proof door is self-aligning to the underside of the mixing chamber ensuring perfect sealing. The internal face of the discharge door can be easily replaced on being worn out due to mixing action

Rotor Seals:

The rotor seals of the Mixtron BB range are ideally designed not only for preventing dust leakage but also for durability and minimum use of process/lubrication oil.

YH Dust-Stop Seals:

All models are fitted with hydraulically loaded yoke against the rotor, ensuring fool-proof sealing. The design is simple and functional, needs no adjustment and is durable to give long service





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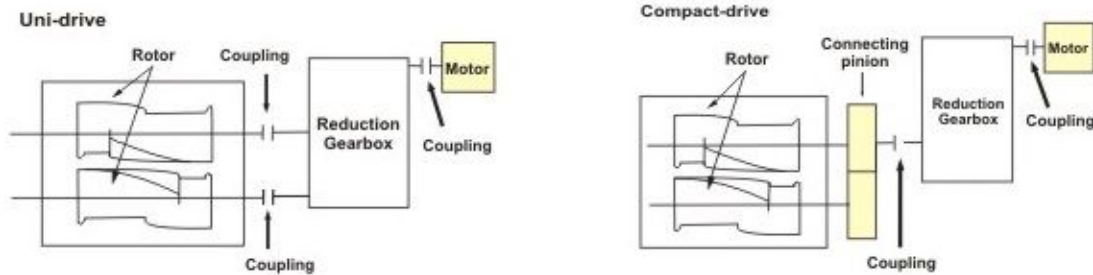
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Mixtron BB Mixer – Range

The Mixtron BB Mixers are available in different sizes. Compact Drive system is generally given to BB 76 mixers while BB 270 mixers are with Unidrive system. These mixers are provided with high power mixing mode to handle tough rubbers. Nominal batch capacity is influenced by fill factor and specific gravity of the rubber and is derived at by:

Batch Capacity= Net Chamber Volm x Fill Factor x Specific Gravity

The Fill Factor varies between 0.68 and 0.9 and is independent on the viscosity of the material being mixed, the rotor type, its speed and the ramming pressure.



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.

AMCL's Range of Tyre, Tube and Rubber Machinery Include

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



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AMCL Machinery Limited

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