



AMCL – A Solution Provider and Profit Optimizer



AMCL Machinery Limited

# MIXING MILL



Technology Sourced from World Leaders



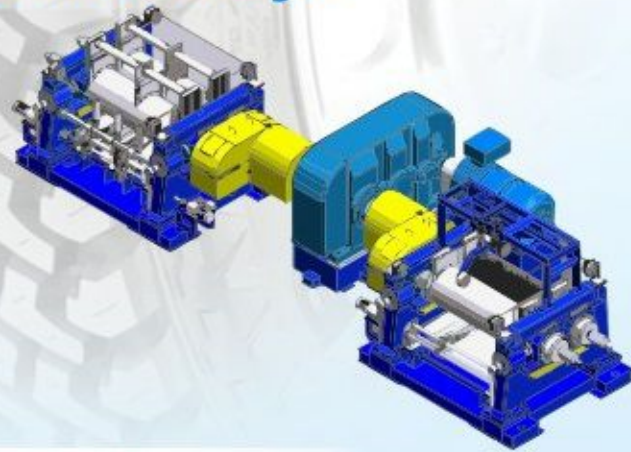
**AMCL MACHINERY LIMITED**  
(HNGIL Group of Companies)



## Comprehensive Range of Rubber Machinery...

### Mixing Mill- Major Components

1. Rolls
2. Side frames / caps
3. Roll journal housing
4. Base plate
5. Manual Nip gap adjustment
6. Gear box
7. Roll cooling
8. Brake
9. Centralized Lubrication System
10. Stock Guides
11. Safety Protection
12. Main Motor
13. Control Panel



### Safety Parameters

- Shear pad type mechanical safety device against overload.
- Interlock between lubrication system & mill drive pressure switch provided to ensure tripping the mill above / below set limit of oil pressure.
- Overhead wire / knee / belly bar arrangement for emergency stop.

### TECHNICAL DATA:

Size	Roll Size (mm)	Friction Ratio*	Roll RPM* (kW)	Drive Power
12" X 30"	304.8 X 762	1:1.04	Front Approx. 19 Rear Approx. 18.26	22
14" x 36"	356 x 914	1 : 1.06	Front Approx. 19.06 Rear Approx. 17.95	30
16" x 42"	406 x 1067	1 : 1.105	Front Approx. 22.06 Rear Approx. 19.95	45
22" x 60"	559 x 1524	1 : 1.08	Front Approx. 18.27 Rear Approx. 19.74	90
26" x 84"	660 x 2134	1 : 1.095	Front Approx. 16.5 Rear Approx. 18.0	187
30" X100"	762 X 2540	1 : 1.09	Front Approx. 17.75 Rear Approx. 19.34	250

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



## Comprehensive Range of Rubber Machinery...

### Features of Two Roll Mixing Mill

Two Roll Rubber Mixing mills are available with different attachments and equipment as per the kind of raw material to be blended. Some of the significant benefits are as under:

- Low operating cost
- High quality and high precision.
- Equipped with all the required safety features.
- Continuous cooling system and time control system.
- Robust, reliable and durable.
- Easy to install and maintain.
- Environment friendly operation



### Mixing Mill

AMCL offers a wide range of two roll mills for processing rubber & plastic material in various sizes and applications, viz., mixing, cracking, sheeting, warming, feeding, compounding etc. The mills are available in single/ twin design. The mills are sturdy and robust in Construction and are offered with high degree of safety parameters.

### Grooved Roll



### Salient Features

- Sturdy and Robust Construction
- Consistent and Uniform Sheeting
- Lower Power Consumption
- Vibration / Noise Free operation
- Safety Device against Overload
- Low Maintenance Costs

### Optional Features

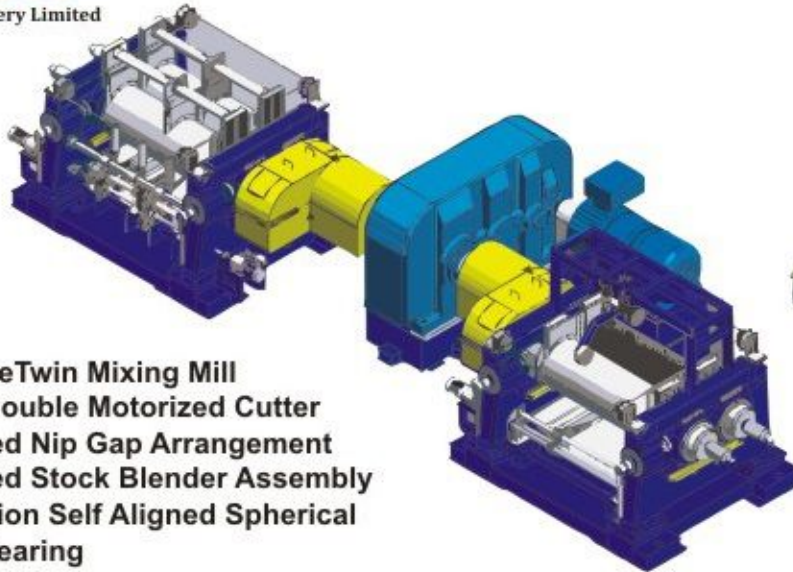
- Plain / grooved, cored / drilled rolls
- Motorized nip adjustment assembly
- VVVF Drive for speed variation
- Pneumatic / Hydraulic operated guide
- Antifriction roller bearings
- Stock blender
- Roll speed and friction ratio to suit customers' requirements.
- Vibramounts / Foundation Bolts





AMCL Machinery Limited

AMCL – A Solution Provider and Profit Optimizer



- Uni-Drive Twin Mixing Mill
- Single/Double Motorized Cutter
- Motorized Nip Gap Arrangement
- Motorized Stock Blender Assembly
- Antifriction Self Aligned Spherical
- Roller Bearing



### 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
  - Aubo 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.



Works at Nagpur



### AMCL MACHINERY LIMITED

**Corporate Office:** 2, Red Cross place (HNGIL), Kolkata – 700001, WB  
**Head. Office:** 202, Ackruti Centre point, MIDC, Andheri (E), Mumbai-400093  
**Works:** A-1/1, MIDC, Butibori - 441 122, Dist. Nagpur, Maharashtra, INDIA.  
**Phone :** 91 - 7104 - 265470, 265724 Fax: 91-7104 -265725,265893  
**Website:** www.amcl.in **E-mail:** marketing@amcl.in