



AMCL – A Solution Provider and Profit Optimizer



AMCL Machinery Limited

# HOT FEED EXTRUDER



Technology Sourced from World Leaders



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

## Comprehensive Range of Rubber Machinery...

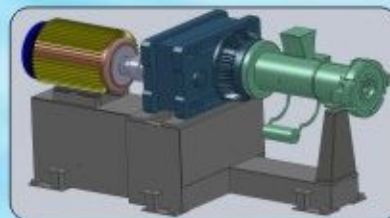
### HOT FEED EXTRUDER

#### Construction Features

<b>Barrel</b>	Special thick wall steel pipe welded, spiral jacketed for heating and cooling fitted with bimetallic liner.
<b>Liner</b>	Nitriding steel, ground / honed finish
<b>Screw</b>	Manufactured with Nickel chrome Molybdenum steel with right hand screw length of specified L/D ratio milled from solid stock with hardened flights and chrome plated for wear resistance. Screw is bored for hot water heating / cold water cooling and fitted with rotary joint and inner pipe.
<b>Hopper</b>	Suitable for feeding the material and spiral undercut for better feeding.
<b>Feed Roller</b>	Roll is driven through the gears powered by the reduction gear and water cooled through rotary joint. The gap is adjusted by bolts of scraper.
<b>Gear Box</b>	Helical gear box with lubrication pump. Output shaft provided with thrust bearing suitable for heavy thrust loading.
<b>Accessories</b>	Rotary joints, safety cover, guide roller, thermal indicator, lubrication pump, stop valves.
<b>Optional Items</b>	1. Tread / Tube die head assembly 2. Tread / Tube cooling line 3. Temperature control unit ( 3 zone or 5 zone).

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

**AMCL Designed Hot Feed Extruders** are also available in:  
 ·4" size L/D Ratio 6 : 1  
 ·6" size L/D Ratio 6 : 1  
 ·( L/D Ratio for specific applications can be provided)



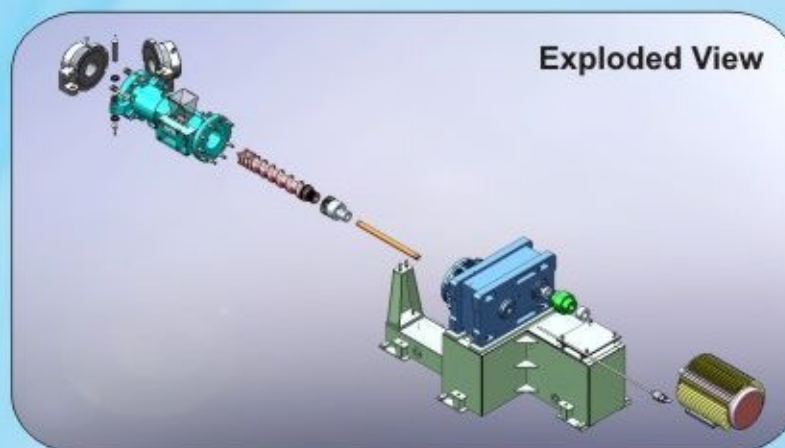
## Comprehensive Range of Rubber Machinery...

AMCL's range of Hot Feed Extruders are evolved as result of latest technology in collaboration with KOBE Machinery Co. Ltd., Japan and through insight of the Indian Tyre Industry's requirements. Functionally featured and designed with robust manufacturing, the extruders perform in the most exacting conditions maximizing productivity.

### TECHNICAL DATA:

Size	4.5"	6"	8"	10"
Screw Flight	Constant pitch flight	Double and Single Flight, Variable Pitch		
Screw Size	115 mm Dia. X 518 mm Length	150 mm Dia. X 790 mm Length	200 mm Dia. X 1400 mm Length	250 mm Dia. X 1500 mm Length
L / D	4.5 : 1	5 : 1	7 : 1	6 : 1
Screw rpm	40 RPM	6 – 60 RPM	6 – 60 RPM	5 – 50 RPM
Drive	19 kW (25 HP) AC	45 kW (60HP) AC	112 kW (150 HP) AC	150 Kw ( 200 HP) AC
<b>All Extruders are supplied with three / Five zone Automatic Temperature (Optional)</b>				
<b>Control systems – as per customers' requirements ( Optional )</b>				

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## 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
  - Auto Type, Curex B Type
- Tube Curing Presses
- Tube Splicing Machines
- Semi Auto/Auto PCI Units
- Servicers for Tyre Building Machines



**Works at Nagpur**



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