

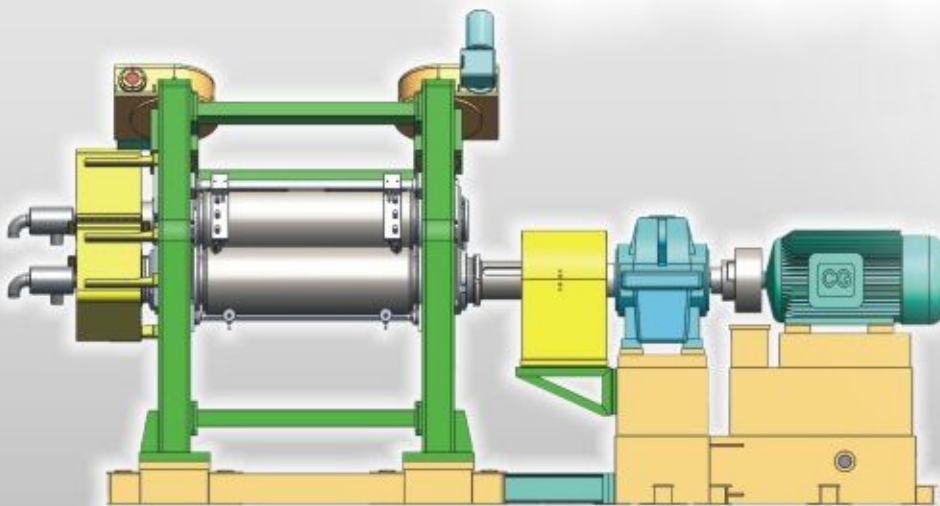


AMCL – A Solution Provider and Profit Optimizer



AMCL Machinery Limited

RUBBER CALENDER



AMCL MACHINERY LIMITED
(HNGIL Group of Companies)

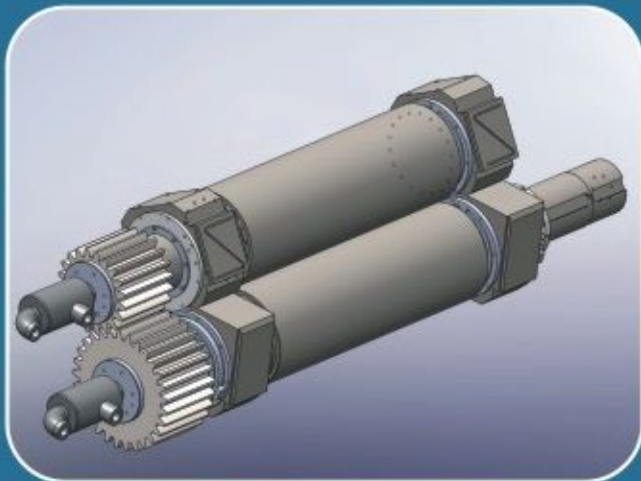
AMCL – A Profit Optimizer & Solution Provider

Exclusive Features

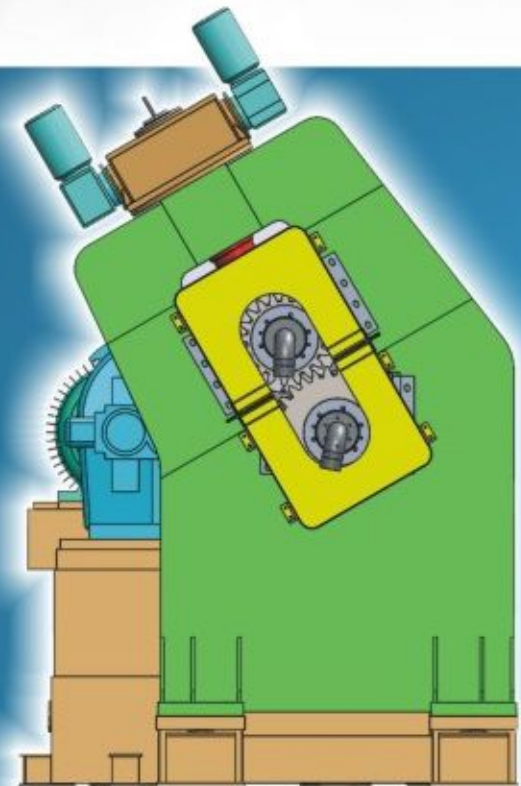
- Sturdy and Robust Construction
- Consistent and Uniform Sheeting
- Lower Power Consumption
- Vibration / Noise Free operation
- Force Feed oil Lubrication
- Safety Device against Overload
- Low Maintenance Costs
- Minimum clearance maintained between two roll with taper roller bearing for precise thickness

Advantages

- Reduced maintenance
- Vibration / noise free operation
- Less expensive foundation
- Saving on working space
- Easy to equip and remove
- Reduces roll inventory
- Tread / Tube Cooling Line
- Other Customized solutions
- 4 Rolls Vertical Calender
- 2 Rolls Cushion Calender
- 3 Rolls Vertical Calender



- Highly precise hollow light weight rollers are made up of alloy chilled cast iron.
- Chilled cast iron having shore hardness of 68 to 70 degrees
- Roller chilled layer 10-25 mm.
- Roller ground finish -Ra 1.6
- Roller Temperature maintained 120° – 130° by using high quality rotary joint and pipes of stainless steel. a static rotary union joint is coupled with moving rollers to provide water cooling system
- Under load condition to counter deflection crown rolls can be supplied as per applications.



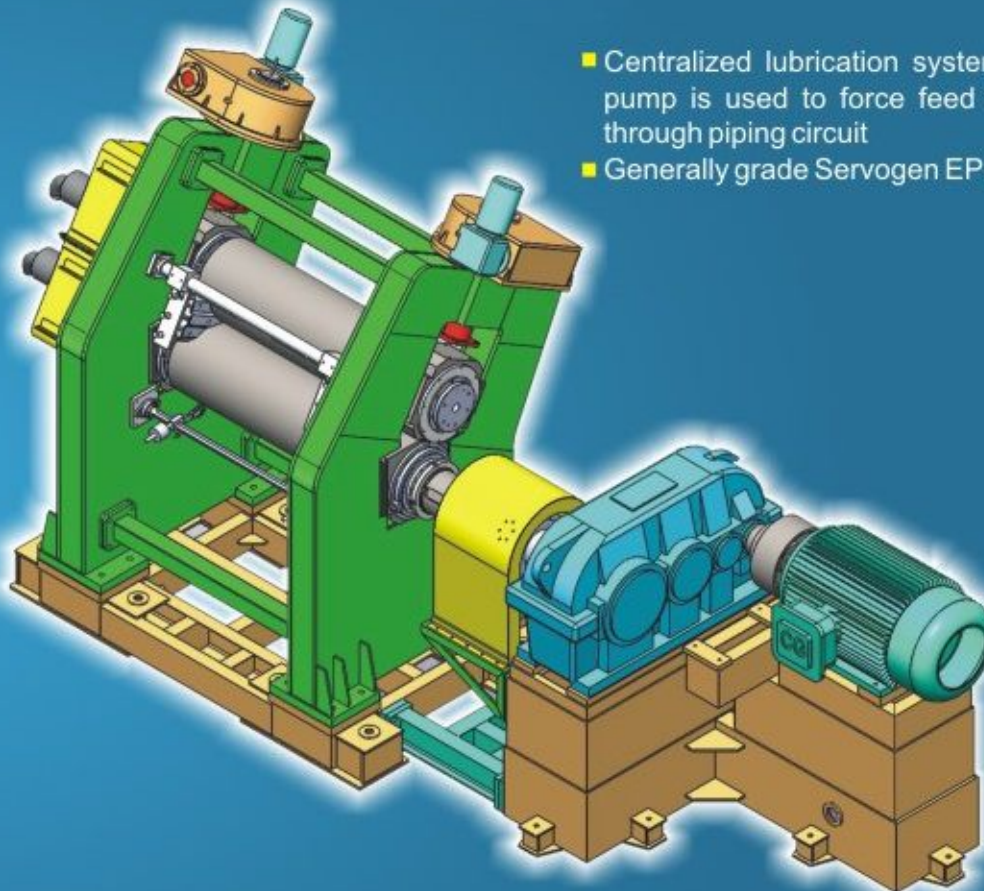
- LVDT Sensors are used to adjust the nip gap between the rollers
- Two different geared motors are synchronized with VFD to provide uniform linear motion and adjust the roll gap through PLC

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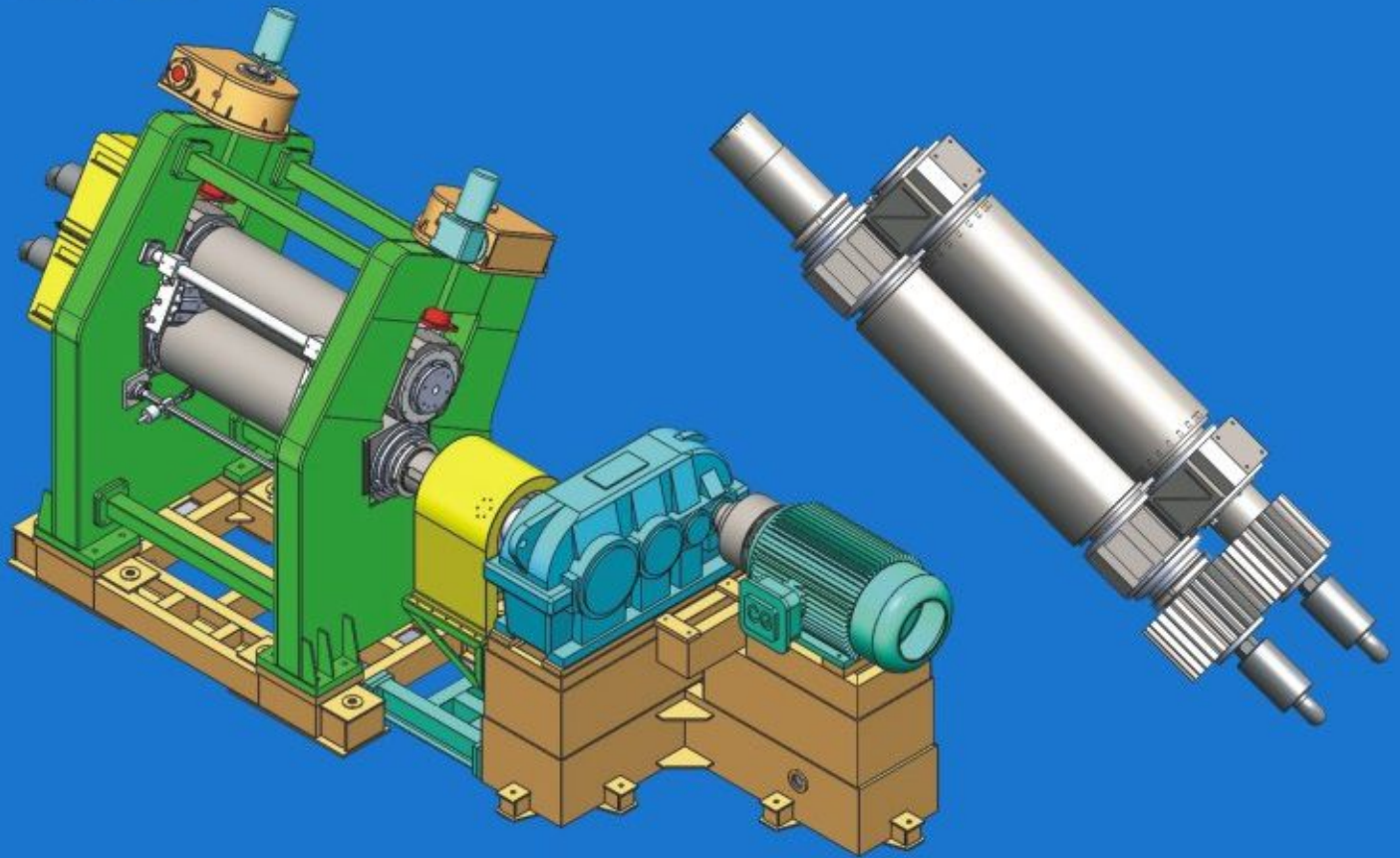
Size of Roll Dia X Length	2 Roll	3 Roll	4 Roll
	Motor Power (kW)		
10" X 30"	20	30	40
12" X 36"	30	50	50
14" X 42"	40	50~75	75
16" X 48"	50	75~100	100
18" X 54"	75	100~125	125
22" X 66"	125	125~150	150~175
24" X 72"	150	150~200	200~250

Available in various configurations viz. **Vertical, Inclined, Inverted, L Type, Z Type**

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



- Centralized lubrication system is incorporated in which a pump is used to force feed the lubricant in the bearings through piping circuit
- Generally grade Servogen EP is used for lubrication



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

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.



Works at Nagpur



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