



HMG High Tech Tyre Machinery & Consultancy
An ISO 9001:2008 Certified Company

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HMG
G

Always in the
process of providing
new developed & high quality
machines to our customer
in the **21st century**.

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www.hmgrubbermachinery.com

COMPANY PROFILE

Mr. Gurcharan Singh started his professional carrier in Rubber Machinery in 1985 with Ralson India Ltd. After that, in 1992, he was joined Metro Tyres Ltd. as a G.M.(Head of Engg.) development & maintenance. In this time, he has as opportunity of taking training from Continental Germany He make high end machinery in Metro Tyres. Mr. Gurcharan Singh was only person who knew the technical developments in the industry of Auto & Cycle Tyre Plants and having a sound knowledge with technical background from parents and grand parents. Then he started his own firm by the name of HMG High Tech Tyre Machinery & Consultancy.

The contributions of Mr. Gurcharan Singh and his Son Mr. Manpreet Singh have supplemented the much-needed support to take the company to today's position. Now a days HMG High Tech Tyre Machinery & Consultancy is a well known name in the Auto & Cycle Tyre Machinery with its quality products High Fi Calendar Machine, Internal Mixer Machine, Bagomatic Press, Extruder, Strainer, Tube Jointing Butt Splicer, Automatic Tube Conveyor Line, Bais Cutter, Hydraulic Press, Mixing Mill, TCU, Tyre Building Machine, Batch off Unit, Wheel Indarace Machine, Bladder Press, Tyre Packing Machine, Kneader Machine, Tyre Curing Press.

The company is marketing all its products under its popular brand HMG. The Company is having its business through out the world. The Company is also serving the highly reputed exporters and suppliers. The company is not only having its products in the local market but also exporting to various developing and advanced countries.

The Company is achieving new heights under the dynamic leadership of all team of HMG High Tech Tyre Machinery & Consultancy. This is only because their understanding and in-depth experience in the technology of Auto & Cycle Tyre Machinery and others that today HMG, High Tech Tyre Machinery & Consultancy stands for Quality Perfection Precision and durability, Its brand name HMG have become synonymous to perfection not only in the local Indian markets but as well as in the abroad.

Product Range

- ➔ Banbury Mixer (internal Mixer) 65 LT, 75 LT, 110 LT, 160 LT, 250 LT, 270 LT, and Batch off Units.
- ➔ Hydraulic Presses & Automatic Curing Presses
- ➔ Begomatic Curing Press Hydraulic & Mechanical Presses
- ➔ Mixing Mill Bearing Type & Bush Type
- ➔ Cord Calender and Profile Calenders
- ➔ Extruder and Complete Conveyor Line
- ➔ Tead Skiver
- ➔ Tyre Building Machine (TBM)
- ➔ Bais Cutter with Servo
- ➔ Tread Extruders for Auto / Cycle Tyre
- ➔ Tube Splicers / Pneumatic and Hydraulic
- ➔ Tyre Painting and Tyre Pocking
- ➔ Jaming Machine for Green Tyres
- ➔ Hot Chambers and Bale Cutter
- ➔ Tyre Endurance Machine
- ➔ Tyre Cord Testing Machine
- ➔ Tyre Packing Machine
- ➔ Tyre Wobbling Machine
- ➔ Lab Machine & Equipment
- ➔ Bead Wire Grommete Machine
- ➔ Tyre Moulds



INFRASTRUCTURE

HMG High Tech operates from Punjab Ludhiana, India where the main manufacturing plant is located, spread over a land area of 5000 Sq. Yard is built up area. The manufacturing plant house three divisions.

- ➔ Machine Manufacturing Division.
- ➔ Component Manufacturing division.
- ➔ Fluid power division.

A state -of-the art 3000 Sq yard machine shop with the latest CNC boring and machining facilities provides accurate parts required for the three divisions. In addition, we have full - fledged and well equipped facilities for heavy fabrication, hydraulic power pack assembly, electrical control panel/sub- system assembly and electronic servo drives and PLC assembly.

A Complete set -up to produce all sub - system in house makes HMG a one stop-shop for the customer's requirements. A qualified and well trained workforce assist customers in selecting, developing and manufacturing the product most suitable to their requirements.



BEGOMATIC (DUAL CAVITY)



TECHNICAL PARAMETER

Type		HMG - 380 x 2	HMG - 600 x 2	HMG - 1000 x 2
Specification		12 ½" - 28" (bicycle tyre and industrial tyre)	8" x 18" (motor bicycle tyre and industrial tyre)	2.50-8-3. 25-21-4. 50-10
BOM Dig 2	KN	609 x 2	750 x 2	1000 x 2
Heating plate number	PCS	2	2	2
Internal Diameter of heat preservation cover	mm	300	350	400
Sulfuration Mould height	mm	55-200	70-230	100-230
Mould opening height	mm	800	900	1000
Max. Raw rubber height	mm	320	360	560
Mould opening/shutting time	S	10-15 Sec.		
Steam pressure on heating plate	Mpa	Max. 250 PSI		
Sulfuration inner pressure	Mpa	150-200 PSI	150-200 PSI	150-200 PSI
Hyd. water for injecting	Mpa	200 PSI		
Pressure of controlling air source	Mpa	82-100 PSI		
Vaccum degree	Mpa	Mpa 0.013-0.026		
Oil cylinder specification	mm	s140 x s90 x s800	200 x 110 x 900	250 x 140 x 190
(motor power)	KW	15 HP	15	15
weight	Kg	3500	4800	5500
dimension	mm	1800 x 2500 x 3300	2600 x 1700 x 400	2700 x 1700 x 3800

MOTORBIKE TUBE CURING PRESS (TRIPLE CAVITY)



BUTT SPLICER



TECHNICAL PARAMETER

Surface width	32 -250 mm
Next Machine	55 - 750 mm
Operating Power Voltage	220 / 440°
Clamping Pressure	175 Kgs Adjustable
Temp. of Heating Knife	0-500° Variable
Full Range	Scooter / Tractor OTR
Rubber joining pad 3 layer rubber type	Replaceable
Thickness of one Layer Max.	3.5m
Normal Butting time	8 Sec to 15 Sec
Max. Joining pressure	400 Kgs - 500 Kgs

AUTOMATIC TUBE CUTTING & COOLING CONVEYOR

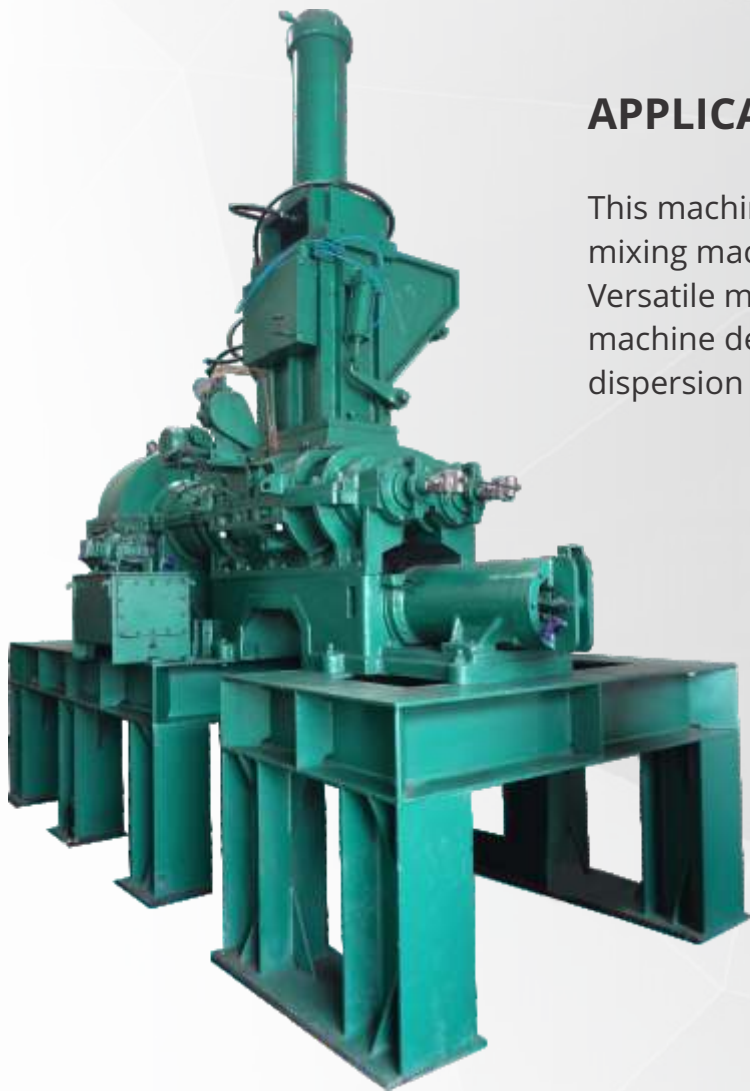


APPLICATION :
This machine is used for Automatic tube cooling, Tube Cutting, Holling, Valve body fixing, Powdering, Outside and Inside.

TECHNICAL PARAMETER

Specification	Working width	Speed of Line	Electric Power	General length of line
Bicycle TUBE,	340MM / 500MM	B/C 35.7m/mm	4.5 Kw	22m
Motorcycle TUBE		M/C 21.4m/mm	440Kw	27m with Cooling line

INTERNAL MIXER (BUNBERI)



APPLICATION :

This machine is Rubber and Plastic Compound mixing machine. Internal mixer is a Rugged and Versatile machine for fast mixing of material. The machine designed to suit for varied nature of dispersion mixing jobs.



TECHNICAL DATA :

We make 60 LT, 75LT, 120LT and 250LT. Mixer.

The machine operation Totally Automatic with Rubber Temperature Control System (Programable)

ROTORS:

The Rotors manufacturing of Two Type one is Two wings Type and Four wings Type Rotors manufactured is very good Alloy steel Forged. The edges of the Rotors are hard Facing (Stellite or Chromium Carbide) welding Rod are used from Germany & L & T Co. The temperature in the Rotor can be varied through the water with Temperature control system.

TYRE BUILDING MACHINE



Application :

This machine is used for series of bicycle/auto bike tire building

Note :

We make Fully Automatic Tread Cutting & Feeding System with CNC Control

TECHNICAL PARAMETER

Applicable Tyre	Bicycle/Auto Bike
Drum Diameter	16" x 28" / 8" to 18"
Control System	(PLC control) (Manual. auto)
Height of drum center above floor	900mm
Main Shaft Motor	AC 3HP 4p
Required Air pressure	8kg/cm2
Electrical Power	440 V 50 Hz
Dimension	2200 x 2100 x 1600 mm to 2000mm
Fully Programming PLC control	

BEAD WIRE UNIT

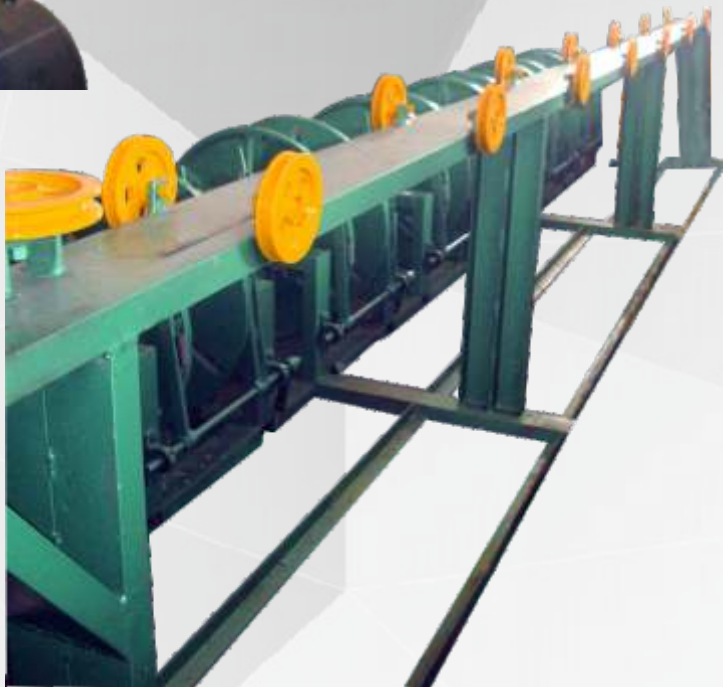


APPLICATION :

This machine is for Bed Rubberizing and Automatic Bed Coiling / Ring making Bicycle and Motor cycle size manufacturing 8" to 28" Dia for 2 no's wire let off unit to 10 no's wire let off unit :

MODEL NO. HMG 301 BD 2 x 2 - 1 x 3 - 2 x 3

- a). Let off unit 10 no's with self breaks.
- b). Wire heating unit with D.C. and A.C. variable.
- c). Cold feed and Hot feed extruder 65mm screw dia.
- d). Dia 650 mm cooing Drum with Festtooner cap 30min/hrs.
- e). No's.of wire One to Ten.
- f). Panel 5 HP, 7 1/2, 3 HP wtih D.C. and A.C. drive variable controls



BAIS CUTTER



BAG FILTER



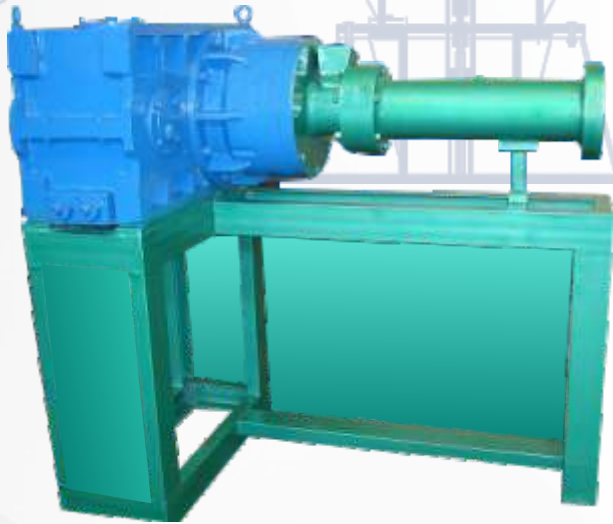
BAIL CUTTER



COOLING DRUM



HIGH SPEED EXTRUDER



TYRE PRESS

