



# COLD RUBBER EXTRUDERS



MECF series Cold Rubber Extruder is a technologically superior product over Warm Rubber Extruder because:

1. Uses Cold Raw materials so saves power required & also less heat history of Rubber Raw-material.
2. More Shear and mixing of ingredients at high pressures inside barrel.

3. Higher L/D Ratio over Warm Extruder ensures homogenous mixing and higher output. 4. End product has good finish and better dimension control.

Can have vacuum pump vent for producing void free product with good finish. Useful to produce wide products like Rubber Hoses for Domestic/Industrial use, high pressure products, AC insulating hoses, intricate gaskets, sections ,tire treads, tubes, insulation on cables, many more... from Rubber, EPDM, Silicon, etc.

Models	MECF-45	MECF-65	MECF-75	MECF-100	MECF-120
Screw Diam.	45mm	65mm	75mm	100mm	120mm
L/D Ratio	16/1	16/1	16/1	18/1	18/1
Main Drive AC	15 HP	25 HP	40 HP	75	120
<b>Output/Hr*</b>	<b>50KG</b>	<b>150KG</b>	<b>200KG</b>	<b>500KG</b>	<b>700KG</b>
Heating Zones	3	3	3	4	4
Screw Speed	10-56RPM	10-56RPM	10-56RPM	10-56RPM	10-56RPM
Variable speed	Yes	Yes	Yes	Yes	Yes

Notes: All Models have Temperature control unit using water as heating/cooling medium. Various die shapes can be supplied as per client demand. The shape and dimensions on die take care of die swell and shrinkage factors while providing the die to customer. This ensures end product meets dimensional requirements. The Screw and Barrel are made in EN 41-B and Nitrided for long life of these elements.



Nitrided Compression type Cold Rubber processing screw

Precision CNC Cut die shapes

Manufacturers:

## MALIK ENGINEERS

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# Temperature Control Units (TCU)

These are integral part of a Polymer Extrusion system and can maintain accurate temperature on Extruder as both high as well as very low temperatures are detrimental in final product quality. They usually use water as thermic fluid to add or remove heat from the process to maintain required process temperature.

**Temp. control range** of Inlet water temperature+15 °C

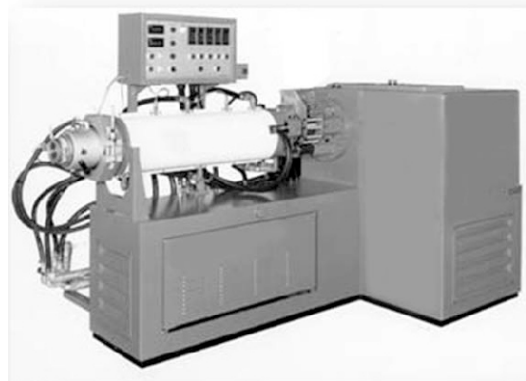
Power supplyTemp. control range Inlet water temperature+15 °C~ 120 °C

Temp. control accuracyPID±1 °C

Power supply	AC3Φ 440V 50HZ , (220~440V 50 Hz)						
Heat transfer medium	Water						
Cooling method	Direct cooling	(Indirect cooling optional)					
Heating power	KW	6	9	9/12	18/24	6+6	9+9
Pump horsepower	KW	0.5	1	2	3	0.5+0.5	1+1
Flow rate	L / Min	95	165	236	315	95+95	165+165
Pump pressure	Bar	2	2.2	2.4	3	2+2	2.2+2.2
Max. power consumption	KW	7	10	11/14	21/27	13	20
Cooling water pipe	Inch	1/2	1/2	1/2	1/2	3/4	3/4
Circulation pipe	Inch	3/8×2	3/8×4	1	1	(3/8×2)×2	(3/8×4)×2
SizeDepth	mm	650	625	625	755	625	625
Width	mm	280	325	325	360	650	650
Height	mm	520	650	650	855	650	650
Weight	KG	62	68	75	90	120	130



9 Kw Cap TCU for Rubber Extruder.



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