



## RMS Equipment LLC

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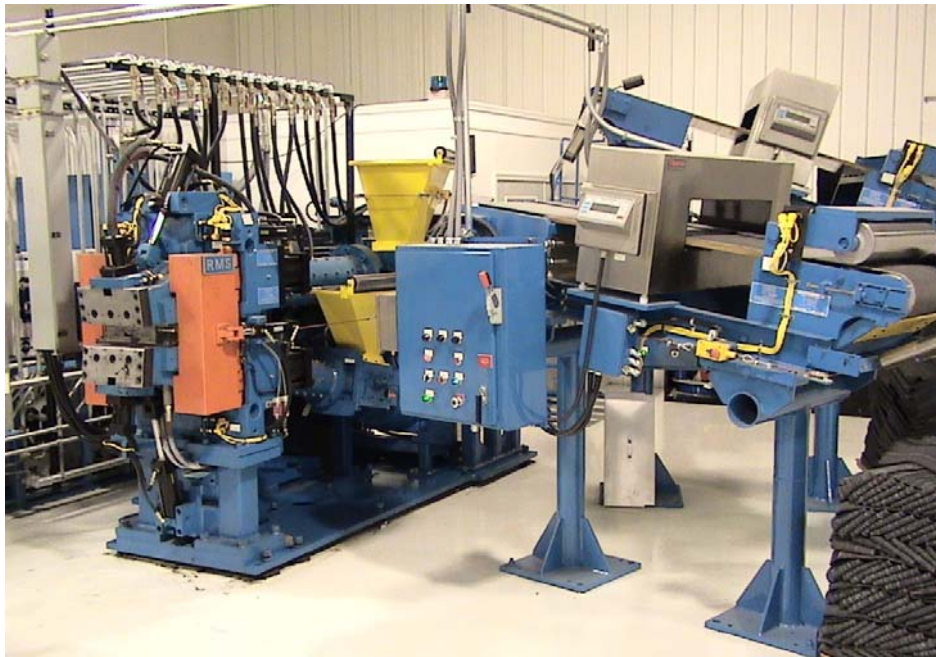
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## RMS PME SERIES COLD FEED PIN TYPE EXTRUDERS



The RMS PME Series Cold Feed Pin Type Extruders, extrude rubber compounds at reduced temperatures and consistent outputs due to a compressive screw design that compacts the compound as it is processed through the machine. Our specially designed hopper and feed roller section provides a larger than normal opening and spiral undercut liner to allow the feed compound to enter the machine more easily. The feed roller design is leak free as any compound that passes the scraper knife is directed around the roll and fed back into the hopper. The feed roll bearings are placed in positions that prevent contamination. A range of Smooth Barrel and Transfermix extruders are also available.

RMS Equipment Company is a major internationally recognized designer and manufacturer of state of the art extrusion and tire manufacturing equipment. Our equipment has been supplied to many of the major tire and general rubber product manufacturers and operate worldwide. Since 1917 we have been an integral part of the rubber industry and our equipment has been uniquely developed *within the industry for the industry*.

We continue our tradition of working closely with customers to design, manufacture and commission extrusion equipment that will meet or exceed their individual product requirements for accuracy, reliability, quality and higher productivity. This includes complex multi-extruder lines, single extruders, extrusion heads, single roll roller dies and slab feeders.

**RMS Pride – A Tradition**  
Member of the Pettibone Tire Equipment Group

## RMS PME SERIES

<b>SPECIFICATIONS:</b>	<b>PME 90</b>	<b>PME 120</b>	<b>PME 150</b>	<b>PME 200</b>	<b>PME 250</b>
Screw diameter	90mm (3½")	120mm (4½")	150mm (6")	200mm (8")	250mm (10")
L/D ratio (Including feed opening)	16:1	16:1	16:1	16:1	18:1
Screw speed (RPM)	66	54	45	33	27
Drive motor size (HP) (KW)	100 75	150 112	300 224	500 373	700 522
Motor base speed	1750	1150	1150	1150	1150
Gear reducer ratio	26.5 : 1	21.3 : 1	25.5 : 1	34.8 : 1	42.6 : 1
Service factor (minimum)	1.5	1.5	1.5	1.5	1.5
Output (Lbs /Hr) (Kg /Hr)	880 - 1200 400 - 550	1650 - 2500 750 - 1150	3000 - 4200 1360 - 1900	5000 - 7250 2250 - 3300	8000 - 12500 3600 - 5700
Number of pin rows	10	10	10	10	10
Number of pins per row	6	8	8	10	10
Thrust bearing (B10 Life in Hrs at 5000 PSI Load)	370,000	250,000	200,000	150,000	75,000
Number of zones – Screw	1	1	1	1	1
Hopper	1	1	1	1	1
Barrel	1	1 or 2	1 or 2	2 or 3	2 or 3
Cooling water consumption (Per Minute Per Zone) (US Gal) (Litres)	10 38	10 38	15 57	20 76	25 95
Extruder centerline height	42" 1067mm	42" 1067mm	42" 1067mm	42" 1067mm	42" 1067mm
Machine weight (Lbs) (Kg)	8000-10000 3600-4500	10000-12000 4500-5500	15000-18000 6800-8200	24000-30000 11900-13600	36000-42000 16300-19000

Actual outputs are dependent upon compounds, RPM's and pressures  
 Other gear ratios available, depending on the application  
 Motor HP may vary depending on the application.

### STANDARD FEATURES:

- Design normally contains: 1-zone screw, 1-zone hopper and 1-zone barrel. Optional 2 or 3 zone barrels.
- Temperature profiling capabilities via heating and cooling passages in the hopper, barrels and screw.
- Replaceable hardened liners in the barrel.
- High intake hopper with powered feed roller to ensure consistent feeding of slab or strip.
- Designed for maximum pressure of 5000 PSI (340 BAR).
- Barrel pins inserted into slots in the screw flights to break up and thoroughly mix the compound.

### NOTES:

- All extruder specifications are for the RMS standard extrusion systems. Specifications may change depending on specific requirements (ie. L/D ratios; motor horse-power; screw speeds; & reducer ratios).
- Machines are supplied as right hand. Left hand extruders can be supplied upon request.
- Customized modifications available depending on application.

### OTHER RMS EQUIPMENT:

- Single and Co-Extrusion Heads
- Downstream Equipment
- Mini Calenders
- 1<sup>st</sup> & 2<sup>nd</sup> Stage Tire Building Machines
- Single Roll Roller Dies
- Slab Feeders
- Temperature Control Units
- Complexing or Component Pre-assembly