



RMS Equipment LLC

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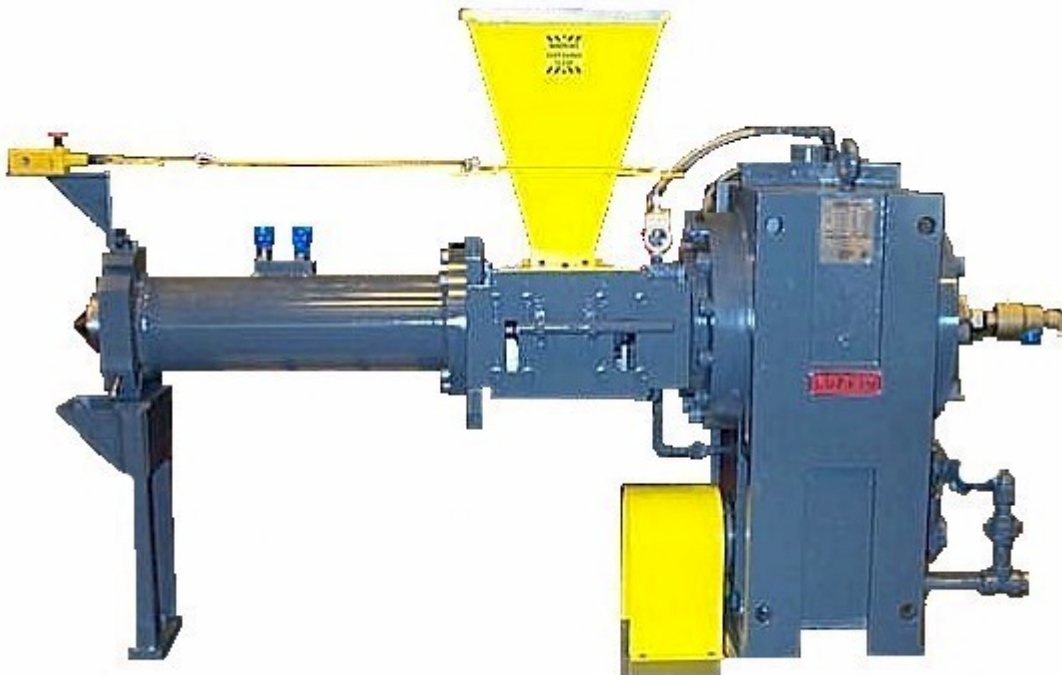
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SBE SERIES COLD FEED SMOOTH BARREL EXTRUDERS



The RMS SBE Series Cold Feed Smooth Barrel Extruders are designed and manufactured to extrude homogeneously mixed rubber compounds. These machines are provided with larger than normal hopper sections that allow for easy feeding. Our specially designed feed roller 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 Cold Feed Pin Type 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 SBE SERIES

SPECIFICATIONS:	SBE 1.5	SBE 2.0	SBE 2.5	SBE 3.5
L/D ratio	12:1	12:1	12:1	12:1
Screw speed	0-60	0-60	0-60	0-66
Maximum output (Lbs/Hr)	100	150	300	750
* (Kg/Hr)	45	68	136	341
Suggested feed strip **	1.25" x 0.25" 32mm x 6mm	2.25" x 0.375" 57mm x 9.5mm	3.5" x 0.375" 89mm x 9.5mm	16" x 0.375" 406mm x 9.5mm
Transmission reduction	25:1	25:1	17.3:1	26.5:1
Minimum service factor	1.5	1.5	1.5	1.5
Drive type	Belt/Pulley	Belt/Pulley	Belt/Pulley	Direct Coupled
Motor size (HP)	10	20	30	75
(KW)	7.5	15	22.5	56
Physical size (L x W x H)	15" x 14" x 36" 381x355x914mm plus base frame	22" x 24" x 52" 559x610x1321mm plus base frame	34" x 51" x 66" 864x1295x167mm includes motor & base	26" x 55" x 126" 660x1397x3200mm includes motor & base
Cooling zones (for extruder only) ***	2	2 or 3	2 or 3	3 or 4
Screw material Barrier/Plasticscrew	4140 with flame hardened flights	4140 base with Colmonoy 56 hard-facing		

* Actual outputs are dependent on compounds, RPM's and pressure.

** Actual feed strip size may vary depending on application.

*** One extra zone required for the head assembly.

STANDARD FEATURES:

- SBE 1.5 does not have a powered feed roller.
- SBE 2.0 has a chain driven powered feed roller system (with clutch safety) which ensures that the feed strip is under pressure to force the material into the screw flights for positive consistent feeding. The downstream bearing is isolated to prevent contamination.
- The SBE 2.5 and 3.5 have a special designed powered feed roll system that ensures that compound does not reach the downstream bearing assembly. Power is taken directly from the screw shank and geared for a positive drive. Special gear shear pins are included for jam-up safety.
- Units with feed rollers have scraper blades.
- Barrel liners are Xaloy 102 or equivalent.
- Hopper / barrels and screw are designed for temperature control.
- SBE 2.0, 2.5 and 3.5 have tapped holes for rupture disc in end flange.
- Pressure transducers are located in the head section.

NOTES:

- All extruder specifications are for the RMS standard extrusion systems. Specifications may change depending on specific requirements (ie. L/D ratios; motor horsepower; screw speeds; and 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
- 1st & 2nd Stage Tire Building Machines
- Single Roll Roller Dies
- Slab Feeders
- Temperature Control Units
- Complexing or Component Pre-Assembly