



The MAX Extruder Product line includes single-screw extruders ranging from 3/4" to 10" barrel diameter. R&B Plastics can design machines to meet your product applications and line specifications, including complete tooling specifications.

- Made in USA with high-quality standards and 32+ years of superior performance
- Useful for diverse applications in Pipe, Profile, Tubing, Sheet, Reclaim, Compounding, Fiber, and Film
- Smooth bore and grooved-feed technology
- Non-Vented and vented designs in all L/D ratios
- Standard 460V with all other power requirements available
- Customized extruder designs available for special processing needs
- Service/Support: 18-field service professionals with over 300-years collective experience

**MAX
EXTRUDER****Mechanical Advantages:**

- Extruder base precision-machined at component mounting surfaces for durability
 - Stress-relieved steel
 - Convenient mounting pads
- Hinged motor mount-support for easy belt tension
 - Direct coupled motor mounting available
- Zambello gear box with cast-iron housing
 - Double-Reduction and Triple-Reduction available to fit your application
 - Helical gears ground to AGMA 10
 - 1.50:1 (Std) Safety factor with higher safety factors available
 - Thrust-bearing assembly sized for HIGH B10 life
- Cast-iron feed section
 - Replaceable feed-section made from wear-resistant steel
 - Water-cooled internal flow
 - Grooved-feed designs also available
- Bimetallic-lined barrel
 - X102 (Std) Liner, X800 (High Wear) liner, and Inconel butt-welded X800 (High corrosive resistance)
 - Non-Vented and Vented designs in all L/D ratios
- Screw Design Technology
 - General purpose and barrier-screw designs with a myriad of mixers that meet your processing needs
 - Supports all types of wear-resistant materials from Colmonoy 56 to specialty coatings for highly abrasive applications
- Barrel Temperature Control
 - Air-cooled, cast aluminum finned heaters with integral shrouds
 - High-velocity blowers for individual zone temperature control
 - Water-cooling temperature control systems available
- Single-bolt heated clamp and bolt style available
 - Hinged die-head support available





Specifications:

Extruder Size	2 inch (50 mm)		2 1/2 inch (65 mm)		3 inch (75 mm)		3 1/2 inch (90 mm)	
L/D Ratio	24:1	30:1	24:1	30:1	24:1	30:1	24:1	30:1
Reduction Ratio	17.56:1		17.26:1		17.26:1		17.39:1	
AGMA hp Rating@ 100RPM @ 1.25 S.F.	51		128		176		228	
Thrust Bearing L10 Life@ 100 RPM, 5000 PSI Cont. Operation	216,000		150,000		411,000		225,000	
Max Internal Barrel Pressure (PSI)	10,000		10,000		10,000		10,000	
Heat Zone Data								
Barrel Zones	3	4	4	5	5	6	4	5
Die Zones	2		2		2		2	
KW/Die Zone	2		2		2		2	
Heater Voltage	230/460		230/460		230/460		230/460	

Above are estimates and actual values may vary due to extruder designs.

Electrical Advantages:

- PLC, PC, or Discrete control systems available for simple extruder control to complex line control – Allen-Bradley, Siemens, Danaher VARIO, West, Eurotherm
- R&B Max Supervisory SCADA System available
- NEMA-12 enclosure; NEC & NFPA 79 compliant; usable Short Circuit Current Rating; high speed fuse protection for Solid State Relays; On/Off Selector at die plug plate offers operator protection; only standard readily available parts are used
- Digital melt temperature, melt pressure, and screw speed readouts
- Marathon NEMA frame motor standard



See our fully equipped manufacturing plant (19' crane height) with machine-building in progress, including "before and after" comparisons of retrofitted extruders.

MAX Extruders designed and built in Saline, Michigan, USA – 50 minutes west of Detroit, 30 minutes from DTW Airport. Corporate rate available at nearby hotels, contact us for details.

Complete rebuilding/modernization capabilities available for all extruder makes and models.

MAX
EXTRUDER

Call R&B Plastics Machinery to learn how the MAX extruder will boost capacity at your facility: 734-429-9421, or FAX: 734-429-1805.



www.rbplasticsmachinery.com