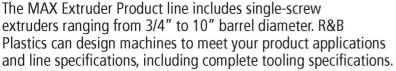


# MAX **EXTRUDER**





- 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

### **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















# MAX EXTRUDER

#### **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





- 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



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.





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.



