

## Quality, Performance, Versatility:

- Designed and built in the USA with high-quality standards
- Over three decades of performance and customer satisfaction
- MS-H (Horizontal) Extruder offers a small footprint with great versatility for all extrusion needs
- Max Extruder design reflects advanced process technology
- PLC and PC Control Systems available for complete line control or extruder-only control



**MAX**  
EXTRUDER

## Mechanical & Electrical Features:

- Available in 1", 1 ¼", 1 ½", and 1 ¾" Diameters with 24:1 L/D (Standard) and 30:1 L/D (Optional)
- Base is precision machined with stress-relieved steel, mounting plates for all mounting services, industrial casters, and floor jacks for leveling
- MS-H extruder is offered in Standard 0-600°F operation and also available with high-temperature (600° Plus) and corrosion-resistant applications
- Direct-drive motor sized for a wide range of commonly processed materials
- Cast and cored (water cooled) feed section with a removable liner for wear resistance and precision pellet feeding (with E-Stop)
- Stainless steel hopper with slide gate, sight glass, dump chute, low-level sensors
- Barrel zones fitted with cast-finned aluminum heaters and separate blowers for each zone
- Stainless-steel hood guards for all applications
- Bimetallic-lined barrel offered with X102 (Standard) and X800 liners (Optional)
- Feed screw designed for your application – general purpose, barrier, and special screw designs offered
- Head flange is offered in a four-bolt flange (Standard) and a single-bolt heated clamp flange
- Control cabinet is mounted on the extruder base with full individual zone control, digital screw speed, digital motor load, speed potentiometer, start/stop push buttons, and E-Stop

## Field Service Capabilities:

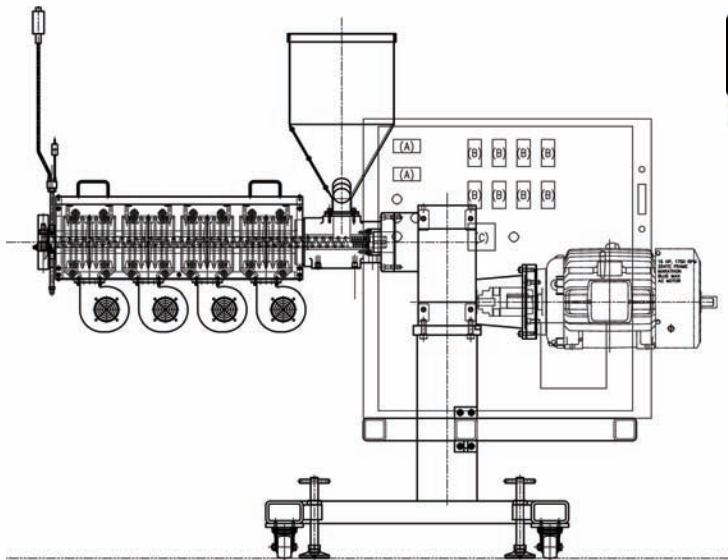
- Service/support by 18 field-service staffers with over 300-years collective experience in extrusion and blow-molding processing, machine building and repair/retrofit work (all makes and models)

To learn more about the MAX Extruder,  
contact R&B Plastics Machinery:  
734.864.9421, or FAX: 734.429.1805.



## Specifications:

| Model   | MS-075       | MS-10H     | MS-125H       | MS-15H        | MS-175H       |
|---|--------------|------------|---------------|---------------|---------------|
| L/D Ratio   | 24:1         | 24:1       | 24:1          | 24:1          | 24:1          |
| Screw Diameter  | 3/4" (19 mm) | 1" (25 mm) | 1 1/4" (30mm) | 1 1/2" (40mm) | 1 3/4" (45mm) |
| Standard Drive Size (hp)                                    | 3            | 5          | 7.5           | 15            | 20            |
| AGMA HPE Rating@100 RPM with Unity (1.0) S.F.               | 6            | 6          | 21            | 33            | 42            |
| Service Factor  | 1.25         | 1.25       | 2.8           | 2.8           | 2.1           |
| Thrust Bearing L-10 Life (hrs.) @5000 psi and 100 Screw RPM | 400,000      | 350,000    | 200,000       | 350,000       | 500,000       |
| Max Internal Pressure                                       | 10,000       | 10,000     | 10,000        | 10,000        | 10,000        |
| Machine Weight (lbs.)                                       | 800          | 800        | 1,000         | 1,600         | 1,700         |
| Barrel Zones  | 3            | 3          | 3             | 4             | 4             |
| Barrel Zone Wattage   | 1,000        | 1,200      | 1,600         | 2,000         | 2,600         |
| Die/Adapter Zone Wattage                                    | 1,700        | 1,700      | 1,700         | 1,700         | 1,700         |
| Standard Voltage  | 230/3/60     | 230/3/60   | 230/3/60      | 230/3/60      | 230/3/60      |
| Custom Designs Available                                    |              |            |               |               |               |



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