

# **R&B** **MAX 1800 Series**



**Injection Blow Molding Machinery**  
**Hydraulic • Hybrid**



1605 East Woodland | Saline, Michigan | 48176

***Building Partnerships with Customers***  
[www.rbplasticsmachinery.com](http://www.rbplasticsmachinery.com)

PH: 734.429.9421 | FX: 734.429.1805

# ***R&B MAX 1800 Injection Blow Molder***

## ***Main Features***

- ◇ Heavy duty base frame construction provides support and durability.
- ◇ Hinged access panels provide easy access to hydraulic and electrical systems.
- ◇ Three station tie bar design keeps all hydraulic components under the molding table.
- ◇ Extra large transfer head shaft diameter provides long life.
- ◇ Pneumatic core rod locking system eliminates wear on locking components.
- ◇ All unpainted surfaces are treated for corrosion protection.
- ◇ Molding table surface is plated with high density chrome for long wear and corrosion prevention.
- ◇ Large 5" diameter preform clamp tie bars with super nuts for extra strength.
- ◇ Convertible mold center of pressure for use with competitive tooling.
- ◇ Automatic lubrication system keeps all bearings and bushings functioning.
- ◇ ANSI style safety systems protect the operators and other personnel.
- ◇ Lift up style operators gate for fast and easy start up function.
- ◇ Choice of Allen Bradley or Siemens touch screen controls with storage and recall of mold set-up.
- ◇ Optional remote connection feature via internet for service support.
- ◇ Mold sets can be lifted vertically from the molding table for mold changes.



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# R&B MAX 1800 Series Hydraulic & Hybrid (HB) Technical Data

MODEL		MAX 1835	MAX 1880	MAX 1835 HB	MAX 1880 HB
		Hydraulic		Hybrid	
Injection Clamp	US Tons	135	180	135	180
Blow Clamp	US Tons	18	18	18	18
Clamp Open Stroke	inches	5 (*1)	5 (*1)	5 (*1)	5 (*1)
Mold Stack Height	inches	10	10	10	10
Die Set Width	inches	45	45	45	45
Swing Radius	inches	31.5	31.5	31.5	31.5
Trigger Bar Length	inches	39.5 (*2)	39.5 (*2)	39.5 (*2)	39.5 (*2)
Dry Cycle Rate	seconds	3	3	3	3
(*1) optional 6 inch clamp open stroke; (*2) optional 42 inch trigger bar					
EXTRUDER		Hydraulic Drive		Electric Drive	
Screw Diameter	inches	3	3	3	3
L/D	ratio	25:1	25:1	25:1	25:1
Optional Extruder	inches	2.5		2.5	
Plastification Rate	gr/sec	70 (*3)	70	70 (*3)	70
(*3) optional 50 gr/sec plastification rate					
ELECTRICAL INFORMATION					
Service Connection	Vol / PH / HZ	460 / 3 / 60	460 / 3 / 60	460 / 3 / 60	460 / 3 / 60
Total Connected Load	kW	114	114	76	76
Motor	HP	100 (*4)	100	30	30
Extruder (5 zones)	kW	21 (*5)	21	21 (*5)	21
Mold Manifold	kW	15	15	15	15
Average Running Load	kW	70 (*6)	70	46 (*7)	46
(*4) 75 HP with optional 2.5 inch extruder; (*5) 17 kW with optional 2.5 inch extruder; (*6) 66 kW with optional 2.5 inch extruder ;					
(*7) 42 kW with optional 2.5 inch extruder					
UTILITY REQUIREMENTS					
Air Pressure	PSI/SCFM	150 / 35	150 / 35	150 / 35	150 / 35
Tower Water	PSI/Tons	45 / 15	45 / 15	45 / 4.3	45 / 4.3
Chilled Water	PSI/Tons	45 / 8	45 / 8	45 / 8	45 / 8
DIMENSIONS and WEIGHT					
Weight	lbs	44,390	44,390	44,425	44,425
Length	inches	252	252	252	252
Width	inches	112	112	112	112
Height	inches	102	102	102	102



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# At a Glance

## SERVICES:

R&B Plastics Machinery is a manufacturer of blow molding machines, single-screw plastic extruders and extruder process screws that can be custom configured to meet the most demanding of process applications.

Our experienced technical staff will engineer machinery to provide maximum output and superior performance. With one of the most comprehensive Field Service & Customer Support Team's in the industry, R&B Plastics Machinery can ensure your machinery remains current. This includes making sure plant personnel are properly trained to be safe, efficient plastics processors.

## CAPABILITIES:

With over 36 years of experience, R&B Plastics Machinery offers blow molding machinery designs and services, such as:

- Shuttle Blow Molders
- Industrial Blow Molders
- Accumulator Head Blow Molders
- Rotary Indexing Wheel Blow Molders
- Mechanical Wheel Blow Molders
- Injection Blow Molders
- Bottle Trimmer and Deflasher Systems
- Rebuild and Reconditioning Services for Blow Molding Machinery
- Comprehensive Field Service and Customer Support

## EXTRUDERS:

- Single Screw Extruders
- Extrusion Control Systems



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