



***UR SERIES  
RECIPROCATING SCREW***

***BLOW MOLDING SPECIFICATIONS***



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## BLOW MOLDING SPECIFICATIONS

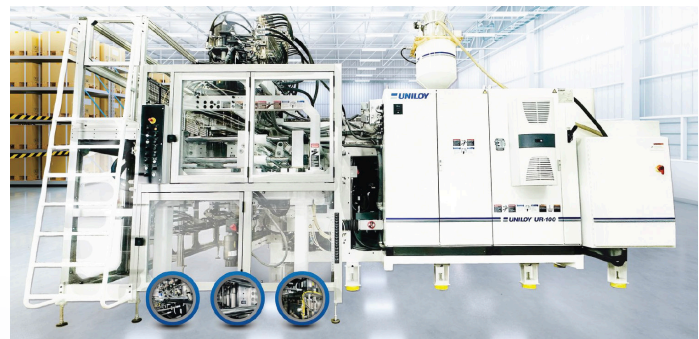
Based on size of extruder, bottle dimensions, type, and number of heads.

EXTRUDER	UR90	UR100
Standard Drive Horsepower	100-125	125-200
Standard Shot Size	1200 grams	1900 grams
Throughput lbs/hour / kgs/hour (L/D 24.1)	750 / 850 lbs/hour 340 kgs/hour	1000 / 1200 lbs/hour 454 kgs/hour
UTILITIES	UR90	UR100
Electricity	160 kW	227 kW
Chilled Water Requirement	20-30T @ 45°F	25-40T @ 45°F
Maximum Air Requirement	96 CFM @ 100 PSI	160 CFM @ 100 PSI

CLAMP SIZES WIDTH X HEIGHT	UR90	UR100	MINIMUM SHUT HEIGHT	MAXIMUM SHUT HEIGHT	MAXIMUM STROKE	NUMBER OF ROTACS
48"x15" Single - Shift/Non-Shift 1219x381 mm	•	•	6.0" / 152 mm	13.5" / 342 mm	11.8" / 299 mm	2
48"x21" Single - Shift/Non-Shift 1219x533 mm	•	•	6.0" / 152 mm	13.5" / 342 mm	11.8" / 299 mm	2
56"x12" Single - Non-Shift 1219x381 mm	•	•	6.0" / 152 mm	12.0" / 304 mm	11.8" / 299 mm	2
56"x15" Single - Non-Shift 1219x533 mm	•	•	6.0" / 152 mm	13.5" / 342 mm	11.8" / 299 mm	2
56"x21" Single - Non-Shift 1219x533 mm	•	•	6.0" / 152 mm	13.5" / 342 mm	11.8" / 299 mm	2
28.5"x15" Double - Shift/Non-Shift 1219x381 mm	•	•	6.0" / 152 mm	13.5" / 342 mm	11.8" / 299 mm	2
28.5"x21" Double - Shift 1219x533 mm	•	•	6.0" / 152 mm	13.5" / 342 mm	11.8" / 299 mm	2
30"x27" Single - Non-Shift (PP & PC Heads) 1219x381 mm	•	•	11.0" / 279 mm	18.0" / 457 mm	14.6" / 370 mm	2
36"x15" Double - Shift/Non-Shift 1219x533 mm	•	•	6.0" / 152 mm	13.5" / 342 mm	11.8" / 299 mm	2
36"x21" Double - Shift/Non-Shift 1219x533 mm	•	•	6.0" / 152 mm	13.5" / 342 mm	11.8" / 299 mm	2
48"x21" Single SS - Extended Stroke 1219x533 mm	•	•	12.0" / 304 mm	24.0" / 609 mm	20.0" / 508 mm	2
48"x15" Double - Shift/Non-Shift 1219x533 mm	•	•	6.0" / 152 mm	13.5" / 342 mm	11.8" / 299 mm	4

### Notes:

1. Periodic design improvements may alter specifications.
2. All dimensions and weights are subject to change without notice.
3. Consult factory for exact dimensions for a specific machine.
4. Other configurations are available upon request.



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UR90-UR100 SPACING OF HEADS	1	2	3	4	5	6	8	10	12	16	20
30"x27" Single 762x685 mm	PP Side Fed/ PC Top Fed										
48"x15" Single 1219x381 mm			16" 406 mm	12" 304 mm		8" 203 mm	6" 152 mm				
48"x21" Single 1219x533 mm		24" 609 mm	16" 406 mm	12" 304 mm		8" 203 mm					
56"x12" Single 1422x304 mm								5.5" 139 mm	4.5" 114 mm	3.5" 88 mm	
56"x15" Single 1422x381 mm								5.5" 139 mm	4.5" 114 mm	3.5" 88 mm	
56"x21" Single 1422x533 mm								5.5" 139 mm	4.5" 114 mm	3.5" 88 mm	
28.5"x15" Double 723x381 mm						8", 9", or 9.5" 203, 228, or 241 mm	6.125" or 7" 155 mm or 177 mm				
28.5"x21" Double 724x533 mm						8", 9", or 9.5" 203, 228, or 241 mm	6.125" or 7" 155 mm or 177 mm				
36"x15" Double 914x381 mm				16" 406 mm		11" or 12" 279 or 304 mm		7" 177 mm	6" 152 mm	4.5" 114 mm	3.5" 88 mm
36"x21" Double 914x533 mm				16" 406 mm				7" 177 mm	6" 152 mm	4.5" 114 mm	3.5" 88 mm
48"x15" Double 1219x381 mm								9" 228 mm	8" 203 mm	6" 152 mm	4.5" 114 mm

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MACHINE CONFIGURATION SIZES	UR90	UR100
Maximum Configuration Length	243" 6172 cm	264" 6706 cm
Maximum Configuration Width	102" 2591 cm 33,000 lbs 15,000 kg	144" 3658 cm 33,000 lbs 15,000 kg
Maximum Configuration Height	123" 3124 cm	123" 3124 cm

### ADDITIONAL FEATURES

- > Meets applicable ANSI, CE, and E.U. safety requirements. UL available (optional).
- > Ergonomic design that is operator compatible with safety and serviceability.
- > High-output, lower-melt temperature extrusion system.
- > Reduced energy consumption.
- > Fixed die head for improved alignment.
- > Front die adjustment.
- > Improved clamp design.
- > Enhanced mold cooling system.
- > Proportional clamp hydraulics.
- > Hydraulic oil temperature safety system.
- > Hydraulic low level safety switch.
- > Hydraulic pressure line filter.
- > Separate hydraulic cooling and filtration system.
- > Air-cooled extruder barrel.
- > Mechanical parison weight adjustment.
- > PLC controller (Parison Programming Control optional).
- > Air-conditioned electrical panel (optional).
- > Pre-blow air on for each head.
- > Bleed screws.
- > Plated front and center platens.
- > Split water system.
- > Central manual lube system.
- > Side-shift clamp (optional).
- > Capable of running a wide range of different blow molding grade resins.
- > Adaptable to accept molds configured for Uniloy UR Series, 250-350-400 Series, R2000 Series, and Liberty Series reciprocating screw machines (optional).

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