

UMA.SE Shuttling Extruder



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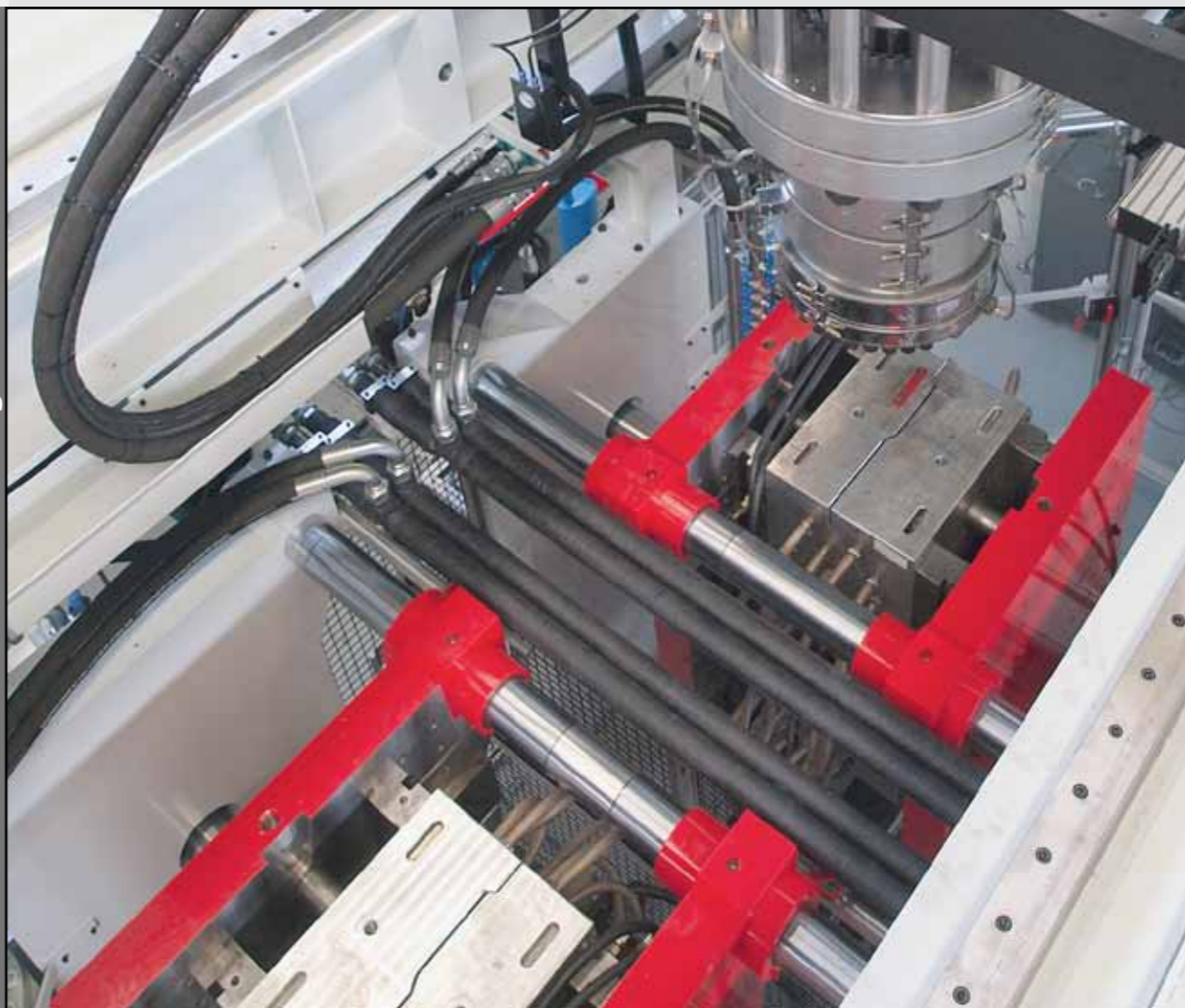
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□ ACCUMULATOR HEAD BLOW MOLDING MACHINES

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UNILOY MILACRON UMA.SE Shuttling Extruder Series



Shuttling Extruder Series

UMA.SE

- AUTOMOTIVE
- CONSUMER
- INDUSTRIAL
- MEDICAL
- TECHNICAL

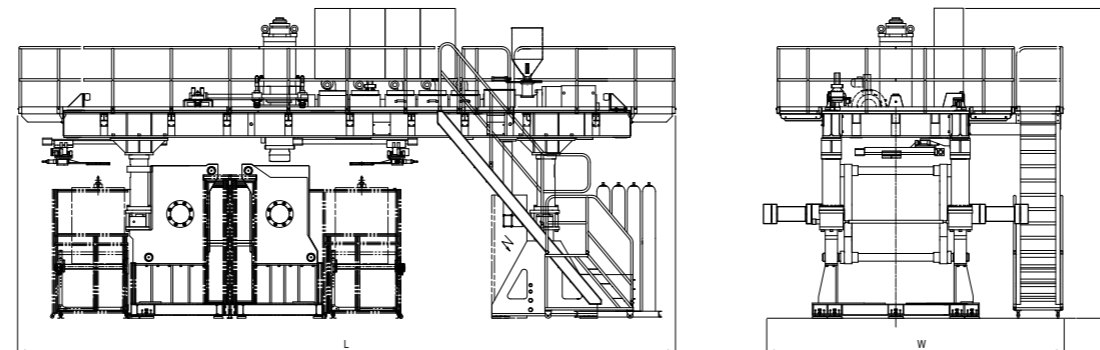
□ Accumulator head blow molding machines

UMA.SE Shuttling Extruder

MODEL		UMA.SE 40-D	UMA.SE 50-D	UMA.SE 60-D	UMA.SE 70-D	UMA.SE 80-D	UMA.SE 90-D
Standard extruders (screw diameter)	(1) mm	100 - 120	100 - 120	120 - 150	120 - 150	150 - 150 L	150 - 150 L
Standard heads (model)	(1)	GP6 - GP8 - GP11 HV6 - HV9	GP6 - GP8 - GP11 HV6 - HV9	GP8 - GP11 - GP17 HV9 - HV12 - HV16	GP8 - GP11 - GP17 HV9 - HV12 - HV16	GP11 - GP17 - GP21 HV12 - HV16 - HV20	GP11 - GP17 - GP21 HV12 - HV16 - HV20

CLAMP UNIT								
Clamp force		kN	400	500	600	700	800	900
Platens net dimensions (w x h)	(1)	mm	800 x 1000	800 x 1000	800 x 1200	800 x 1200	900 x 1300	900 x 1300
Daylight between platens (minimum / maximum)	(2)	mm	400 / 1200	400 / 1200	500 / 1300	500 / 1300	600 / 1400	600 / 1400
Maximum mold weight		kg	2200	2200	2800	2800	3500	3500

MACHINE DIMENSIONS								
Width (W)		mm	4500	4500	4800	4800	5100	5100
Length (L)		mm	9800 ÷ 10500	9800 ÷ 10500	10500 ÷ 11200	10500 ÷ 11200	11200 ÷ 12500	11200 ÷ 12500
Height (H) + extra stroke for head adjustment	(3)	mm	5100 (+ 400)	5100 (+ 400)	5300 (+ 500)	5300 (+ 500)	5400 (+ 600)	5400 (+ 600)



EXTRUDERS		100	120	150	150 L
Screw diameter / L:D ratio	mm	100 / 24	120 / 24	150 / 24	150 / 28
Max. screw speed	rpm	70	65	52	52
Electric motor power / Motor type	kW	88 / AC	138 / AC	206 / DC	280 / DC
Heating zones number / Total heating power	(4) n° / kW	6 / 31	7 / 38	7 / 49	7 / 56
Max. output (HDPE with HLMFI ≥ 2)	(5) kg/h	320	430	660	820
Standard output (HDPE with HLMFI ≥ 2)	(6) kg/h	225	300	460	630

ACCUMULATOR HEADS - GP TYPE		GP 6	GP 8	GP 11	GP 17	GP 21
Accumulation volume	lt	5,6	8,3	11,1	16,7	21,3
HDPE accumulation capacity	kg	4	6	8	12	16
Die diameter (minimum - maximum)	mm	60 - 300	60 - 300	100 - 350	100 - 350	125 - 450
Heating zones number / Total heating power	n° / kW	4 / 22	5 / 24	6 / 30	6 / 32	7 / 45

ACCUMULATOR HEADS - HV TYPE		HV 6	HV 9	HV 12	HV 16	HV 20
Accumulation volume	lt	6	9	12	16	20
HDPE accumulation capacity	kg	4,3	6,5	8,6	11,5	14,4
Die diameter (minimum - maximum)	mm	80 - 250	80 - 250	115 - 320	115 - 320	150 - 400
Heating zones number / Total heating power	n° / kW	6 / 26	6 / 32	6 / 27	6 / 38	9 / 45

(1) Other configurations are available on request.
 (2) Mold thickness must exceed the minimum daylight between platens.
 (3) Vertical dimensions do not include any hopper, feeder, or other accessories.

(4) AC motors with inverter are available on request for the 150 mm extruders.
 (5) Max. output is measured at 100% screw speed with 100% virgin resin.
 (6) Standard output is measured at 80% screw speed with 70% virgin resin and master batch + 30% regrind material. Special screws for higher percentage of regrind material are available on request.

Data are subject to change without notice.