

The specialist for small parts

- Bench
- Chiller
- Drier
- Loader
- Temperature controller
- Sprue separator



The machine for micro injection moulding Babyplast 6/10P

Maximum performance - minimum space

Babyplast 6/10P is one of the smallest, fully hydraulic, injection moulding machines. Thanks to the unique concept of the machine platens which act as mould bolsters, The cost and dimensions of the moulds are reduced considerably.

Babyplast 6/10P occupies less than 0,6m² of floor space and is extremely quiet (< 68dB). It is the ideal machine for producing small and microscopic parts and is suitable for processing all injection grade thermoplastic materials.

Babyplast 6/10P Guarantees the highest precision thanks to the injection piston and pre-plastification of the material.

To obtain the optimum volume of material, there are 5 interchangeable pistons available. It is also possible to move the injection unit off centre.

Vertical machine Babyplast 6/10VP

The specialist for insert moulding

Babyplast 6/10VP Vertical injection moulding machine provides the maximum precision, thanks to injection by piston and pre-plastification.

To obtain an optimum shot weight, 8 different piston diameters are available.

Advantages:

- compact moulds that take up little space
- Easy to use
- low power consumption
- perfectly adaptable for installation in a production line



Control panel : Easy to use

- Touch screen colour display.
- Easy to consult pages and user friendly display
- Handles and stores over 100 tool settings
- Back-up on USB memory drive
- Record of last 20 cycles
- Ethernet connections: modbus TCP



The Babyplast Autonomous Injection Unit I/10P

A small "add on" injection unit for big machines

The original concept of this Autonomous Injection Unit has been developed, based on the experience accumulated from thousands of applications using the Babyplast injection moulding machine.

The main advantage of the Babyplast injection unit for multi-component moulding is that the unit is completely autonomous from the main machine, as far as the electronics and hydraulics are concerned.

Considering the fact that, in most applications using multi-component moulding, the main

component is usually of a much greater volume than that of the second component, thanks to the low shot weight (from 3 to 15cc for the standard unit and upto 36cc for the augmented unit) the Babyplast injection unit permits precise injection shots and minimum resident times at melting temperature.

The Babyplast Injection Unit (UAI), offers an economical and practical solution for transforming an existing, standard, traditional single component injection moulding machine, into a multi-component machine.



Babyplast 6/10P
Babyplast 6/10VP (vertical)
UAI I/10P (Standard injection unit)

Babyplast 6/10VP (vertical)
UAI I/25P (Augmented injection unit)

		10	12	14	16	18	16	18	20	22	24
Piston diameter	mm	10	12	14	16	18	16	18	20	22	24
Volume (cm ³)	cm ³	4	6,5	9	12	15	16	20	25	30	36
Injection pressure	bar	2030	1850	1340	1030	815	1535	1250	980	830	680

Clamp		Babyplast 6/10P	Babyplast 6/10VP	Injection Unit	
Locking force	kN	62,5	62,5	-	
Opening stroke	mm	110	110	-	
Ejector force	kN	7,4	6,4	-	
Ejector stroke	mm	45	60	-	
Min. dist. Between platens	mm	30 (55)*	119	-	
Max. dist. Between platens	mm	140 (165)*	229	-	
General data		Babyplast 6/10P	Babyplast 6/10 VP	Uai I/10P (stand.)	Uai I/10P (Aug. inj. unit)
Hydraulic pressure	bar	130	130	130	
Oil tank capacity	l	~ 16	~ 16	~ 16	
Power supply		3ph-230V/400V - 50/60 Hz			
Power consumption	kW	3	3	3	3,2
Weight	kg	150	350	~ 25 (~ 120)**	~ 35 (~ 130)**
Dimensions L x B x H	cm	110 x 55 x 70	70 x 100 x 165	100 x 50 x 80 control	
* +25mm configuration **Total weight control unit + injection unit. We reserve the right to make modifications at any time.					

