



Automation



Made in Germany

Equipment

Injection unit		Electronics	
Pivoting injection unit	-	USB interface for access and data exchange	■
Preset screw speed values with ramping transition	■	Interface kit: Serial/Temperature device, USB/Printer and Ethernet	□
Cold start protection	■	OPC interface	□
Number of set points of injection speed	8	4 freely programmable inputs/outputs	□
Number of set points of injection pressure	2	Piece counter / interval signal	■
Start of holding pressure dependent on hydraulic pressure, stroke and time	■	Preselect cycle counter with auto shut-off	■
Start of holding pressure, cavity pressure-dependent	□	Grounded socket outlet 230 V ~ / 10 A (alternatively can be switched off)	■(□)
Number of set points of holding pressure	8	CEE socket outlet 400 V ~ / 16 A (alternatively can be switched off)	□(□)
Production monitoring at start of holding pressure	■	Socket distributor 3 x 400 V ~ / 3 x 230 V ~ switched (separate feed line required)	□
Closed loop control for the complete injection profile and back pressure	■	Energy distributor with four fixed connections, up to 5 x 400 V CEE + 3 x 230 V (sockets can be switched off optionally). Standard supply 125 A / 5 x 50 mm²	□
Control for intrusion-injection	■	Switch cabinet ventilation	■
PID microprocessor-controlled heating zones for cylinder + nozzle set and temp. display	5	Standardized interface for handling units (EUROMAP 12)	□
Hydraulically actuated needle shut-off nozzle (pneumatic for XS-LSR)	○	Separate feeder (heating and motor current)	○
Slide-away for quick material change (25 / 35 / 55 VV / 35 HV / 2C M / L without hopper)	○	7-day timer	■
Automatic material loader / feeder	□	Additional temperature control	□
Adjustable nozzle force	■	Brush control	□
Delayed nozzle retraction	■	Connector for safety switch to inhibit mould closing	□
Servo-electric screw drive (separate feed line required)	○	Integrated hot runner control, 8/16-fold (separate feed line required)	□
High wear-resistant plasticizing units	○	Air conditioning unit for control cabinet	□
High wear-resistant EconPlast unit	-	Alarm signal with sound	□
Speed injection	-		
Clamping unit		Hydraulics	
Reduced mould height by 50 mm	□	Electronically controlled variable pump	■
Moving platen support to improve the precision when using large moulds	-	Servo-motor pump drive (Servo-drive)	-
Number of set points of mould closing speed / opening speed	8/8	Oil preheating circuit automatic	■
Number of reopening attempts after mould closing	■	Oil temperature gauge / Controlled oil cooling / Oil level indicator	■
Hydr. ejector with dig. adjustable pressure, speed, position + no. of strokes, intermediate stop position	■	Oil level and temperature monitoring	■
Hydraulic ejector with adjustable stroke 80 mm (for XS = 50 mm)	■	Optical oil filter contamination indicator	■
Hydraulic ejector with adjustable stroke 130 mm	-	Proportional action valve for the clamping unit	○
Hydraulic ejector with adjustable stroke 150 mm and 42,7 kN force	-	Proportional valve with stroke feedback and positioning action for clamp unit	-
Hydraulic unscrewing device, one or two directions of rotation with intermediate stop	□		
Hydraulic unscrewing device, two directions, proportional valve and pulse generator	□	General	
Core pull control with 4/3 way directional control valve and freely selectable operational programmes	□	Cooling water distributor with electric shut-off valve for injection mould	○
Injection compression (coining) and breathing	■	Temperature control for feed throat	□
Injection compression (coining) and breathing with mould degassing control	□	6- / 8-zone water distributor	○
Hydraulic guard safety device	■	Tool kit	□
Self adjusting mechanical drop bar safety system with electronic monitor	□	Spare parts package	□
Safety gate for handling devices	○	Oil filling	□
Electronically operated safety gate	-	Anti-vibration mounts	■
Selection flap	○		
Air ejection	□		
Mould lifting crane	-		
Simultaneous ejector movement (with double pump)	-		
Integrated sprue picker	□		

■ standard ○ alternatively □ optional - not available

A 000754

E 02716

Modification in design and equipment reserved

Innovative into the Future – BOY-Injectioneering



You would like to learn more about this BOY injection moulding machine?



Data and Equipment (complete overview)



Competence brochure

