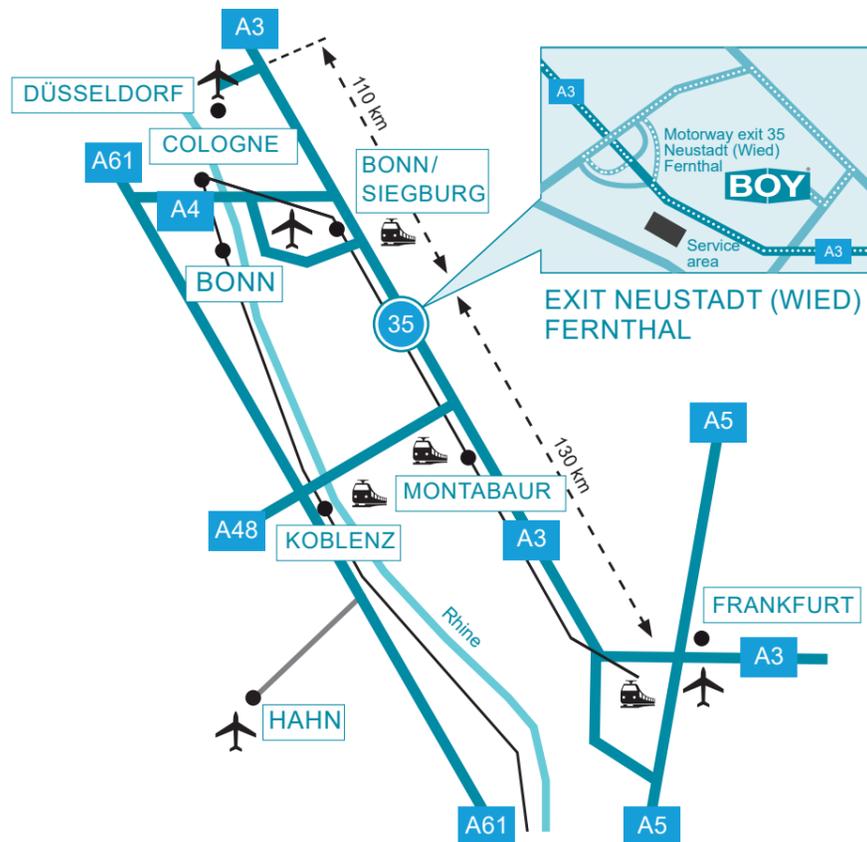




Time after time, we are able to prove in our showroom that BOY Injection Moulding Machines are capable of performing in a way that would hardly seem possible.

Furthermore, our machines manage this with extremely low machine hourly rates. This is your advantage over your competitors, which can make all the difference. So put us to the test.

Innovative into the Future – BOY Injectioneering



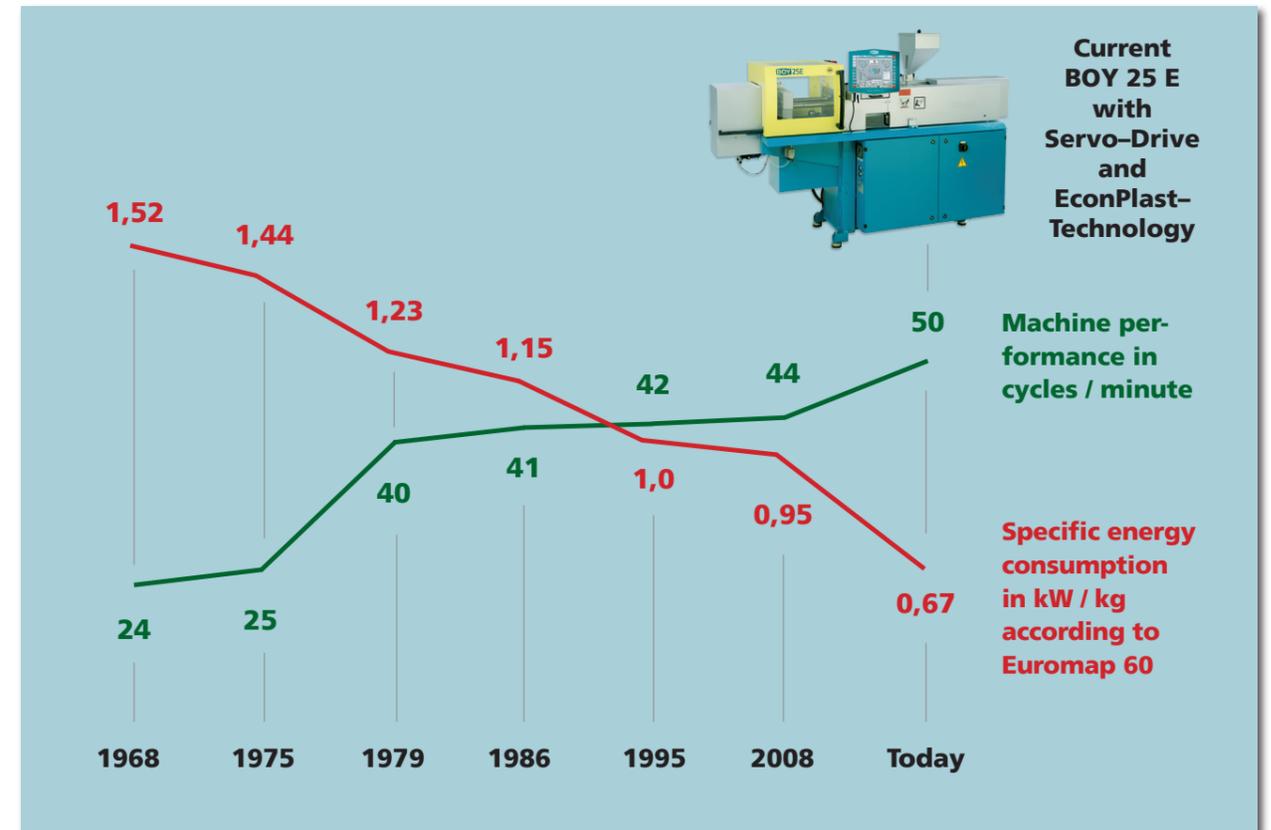
Spritzgiessautomaten

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Modification in design and equipment reserved

More economical production



Servo-Drive



Control

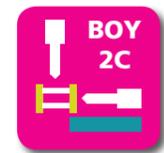


Injection Unit

BOY Injection Moulding Machines from 63 kN up to 1.250 kN clamping force



Insert technology



Multi-component



BOY-Handling

Continuity!

- As a privately owned and managed Company, we are your reliable partner.
- As specialist in Injection Moulding Machines in the range up to 1250 kN we offer you the best know-how.

Durability!

- Most of our almost 40,000 Injection Moulding Machines supplied since 1968 are still in operation, despite often being used in multi-shift productions.
- A high resale value enables you to retain the most advanced level for your machinery equipment.

Low maintenance costs!

- Take advantage of 50 years and more of experience in designing efficient Injection Moulding Machines.
- Reduced number of moving parts, due to our special design two-platen clamping systems, results in less wear and less maintenance requirement - no greasing points.
- BOY spare parts are calculated moderately, to keep your operational costs low.

Large moulds!

- On BOY injection moulding machines, heavy moulds can be assembled. Even on the critical moving side, in comparison to our competitors machines mould halves with a higher weight of about 45 % can be mounted.
- Extensive hole patterns on the mould fixing platens ensure secure mounting of variety of possible mould sizes.

Large Mould fixing dimensions!

- Despite the compact design, BOY machines feature large daylight between tie bars, enabling the assembly of large moulds for optimum utilization of the clamping force.
- For instance a maximum platen distance of 900 mm and a distance between tie bars of up to 470 mm for the BOY 125 E.

Machine type / clamping force	Injection Moulding Machines	Insert Moulding (VV)	Parting Line Injection	
			(HV)	(VH)
BOY XS E 63 / 100 kN				
BOY 22 A PRO 220 kN				
BOY 25 E 250 kN				
BOY 35 E 350 kN				
BOY 50 E 500 kN			Injection units for multi component	
BOY 60 E 600 kN				
BOY 80 E 800 kN				
BOY 90 E PRO 900 kN				
BOY 100 E 1000 kN				
BOY 125 E 1250 kN				

Smaller foot print for more open spaces!

- Need up to 30 % less space!
- Invest in your production. Minor capital commitment!

Minimal additional extra space needed for peripheral equipment!

- No machine concept offers more freedom for Automation, Integration into Automated Production lines, or Isolated cleanroom Applications and much more, than the cantilevered Two-Platen Clamping unit.

Just some of the available features from the BOY delivery range:

- Electromechanical drive of the eSP injection unit
- Electromechanical ejector
- Dual Pump
- EconPlast Technology*
- Differential Injection Technology
- Sprue Separating System
- Integral Sprue Picker**
- 5-axis linear robot LR 5*
- Electric tamper
- Sliding Tables
- UPC-UA interface package
- Clean Room Technology*
- Processing of a wide range of thermoplastics, elastomers*, LSR**, duroplastics**, hotmelt and rigid PVC
- PIM process (metal and ceramics)
- Multi-Component Technology* with various injection units** (see on the left)
- Injection blow moulding

* available brochures/flyers
** available sales information

Extremely Small Parts!

- Start to offer where others stop.
- Take advantage of the world's smallest standard plasticizing unit with a diameter of 8 mm to open up new markets.

Small machines instead of large machines!

- More flexibility.
- Faster start of serial production.
- Less material waste when starting with a new mould.
- Parallel production with various materials and/or colours.
- Less mould changes, taking less time.
- Higher precision and shorter cycle times, due to reduced number of cavities.
- Better exploitation of clamping force by way of centrally arranged cavities.
- Sensitive mould safety mechanism possible.
- Higher production safety during unattended „lights-out production“.
- Easier integration into automation processes.
- Maintenance, repairs only concern part of the production.
- Less capital needed during built-up phase.
- Holistic design concept for precise injection moulding machines (24/7 industrial operation).

Energy consumption / cooling!

- When compared to corresponding machines with identical drive systems, BOY injection moulding machines consume up to 30 % less energy.
- The Patented EconPlast technology reduces energy consumption during plasticizing significantly.
- Increase your production without the need to invest in large transformer stations.
- Reduced chilling capacity required, due to low current consumption and an efficiently designed Hydraulic System.

Intuitive control system!

- Reduction of set-up time, due to an intuitive and fast touch-screen operation with Windows-based surface.
- BOY Control Systems have held a leading position with regard to Precision, Information, and Operation for many years...