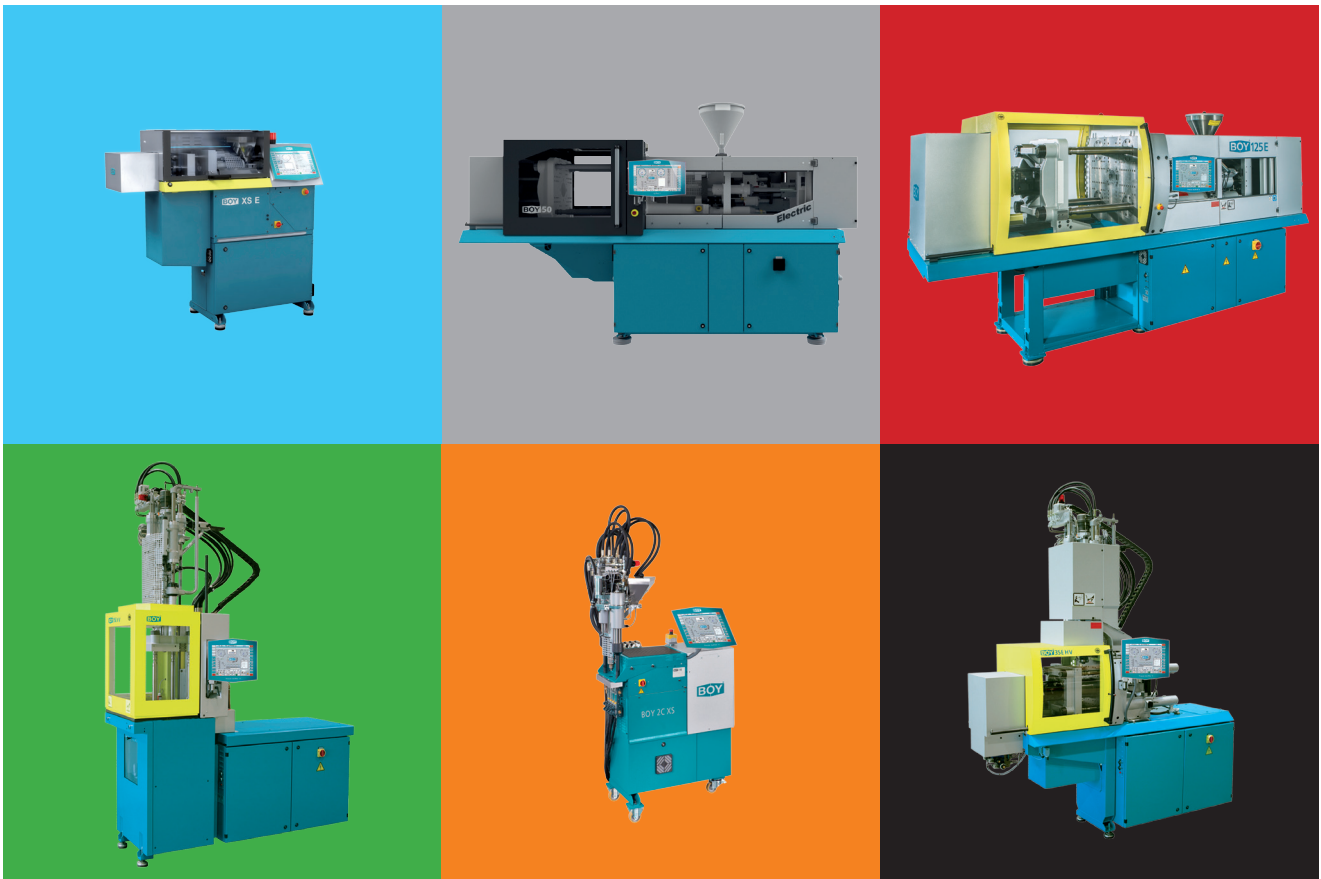




Spritzgiessautomaten

# Innovative into the Future – BOY Injectioneering



---




Product Range

# Product Range

## BOY injection moulding machines







### Your advantages:

- Maximum flexibility
- Small footprint
- Optimum production conditions
- Freely accessible two platen clamping system
- Large clamping dimensions
- Efficient and economical operation
- Low machine hourly rates
- Flexible application of mould
- Perfect control due to intuitive operation
- Intuitive control
- Minimal power consumption
- Low cooling capacity

Machine type/ Clamping force	Injection moulding machines	Clearance between tie bars	max. shot weight (PS)
BOY XS E 100 kN		160 mm / 205 mm diagonal	13.9 g
BOY 25 E 250 kN		254 mm	69.5 g
BOY 35 E 350 kN		280 mm x 254 mm (h x v)	69.5 g
BOY 35 <i>Electric</i> 350 kN		280 mm x 254 mm (h x v)	69.5 g
BOY 50 E 500 kN		360 mm x 335 mm (h x v)	157.6 g
BOY 50 <i>Electric</i> 500 kN		360 mm x 335 mm (h x v)	69.5 g
BOY 60 E 600 kN		360 mm x 335 mm (h x v)	157.6 g
BOY 80 E 800 kN		430 mm x 360 mm (h x v)	157.6 g
BOY 80 <i>Electric</i> 800 kN		430 mm x 360 mm (h x v)	157.6 g
BOY 100 E 1.000 kN		430 mm x 360 mm (h x v)	280.6 g
BOY 125 E 1.250 kN		470 mm x 430 mm (h x v)	309.2 g

# Product Range

## BOY insert moulding machines (\*parting line injection)

Machine type/ Clamping force	Insert moulding machines	Clearance between tie bars	max. shot weight (PS)
BOY XS V 100 kN		160 mm / 205 mm diagonal	7.3 g
BOY 25 E VV 250 kN		254 mm	69.5 g
BOY 25 E VH* 250 kN		254 mm	69.5 g
BOY 35 E VV 350 kN		280 mm x 254 mm	69.5 g
BOY 35 E HV* 350 kN		280 mm x 254 mm	69.5 g
BOY 35 E VH* 350 kN		280 mm x 254 mm	69.5 g
BOY 60 E VV 600 kN		360 mm x 335 mm	157.6 g

### Your advantages:

- Insert moulding machines with clamping forces of 100, 250, 350 and 600 kN
- Exceptionally small space requirements
- Ergonomic design
- Fixed lower clamping plate prevents the inserted parts from slipping
- Ideal options for extension and automation
- Perfect control due to intuitive operation

### Machine concepts of insert moulding machines:



For more than 50 years, BOY manufactures versatile insert moulding machines with **vertically arranged clamping unit** which can be used for moulding parts inserted. The mature designs are the result of many years of experience with the basic concept of a

**two-platen clamping unit** excellently suitable for this. With this basic concept, the BOY insert moulding machines are constructed **exceptionally ergonomically convenient**.



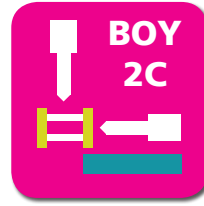
Servo-Drive



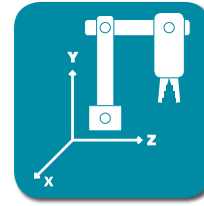
Control



BOY Electric



Multi-Component



Automation






Injection Unit

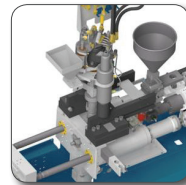
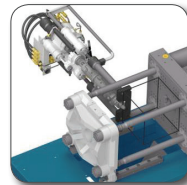
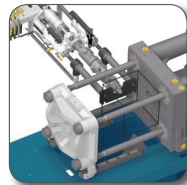
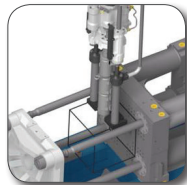
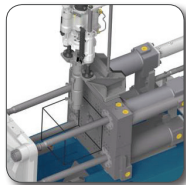
## Product Range

### BOY injection units for multi-component

#### Your advantages:

- Separate hydraulic drive unit and control.
- Available with different injection units.  
Plasticizing volumes up to 141.8 cm<sup>3</sup>, as well as injection pressures up to 3128 bar are possible.
- The controls of both machines communicate with each other via special interface.
- Countless application possibilities
- Easy attachment to BOY and competition machines

Machine type	Multi-component machines	Injection unit	max. shot weight (PS)
BOY 2C XS		14	7.3 g
BOY 2C S		11	4.1 g
		16	5.6 g
		45	27.7 g
		56	18.6 g
		81	27.7 g
BOY 2C M		96	69.5 g
		205	151.3 g



You would like to learn more about BOY injection molding machines?



Data and Equipment (complete overview)



Competence brochure

