



Spritzgiessautomaten

Innovative into the Future – BOY-Injectioneering



Product Range

Product Range

BOY injection moulding machines

Your advantages:

- Maximum flexibility
- Small installation surface
- Optimum production conditions
- Large clamping dimensions
- Flexible application of mould
- Intuitive control
- Easy operation
- Minimum power consumption
- Low cooling capacity

Machine type/ Clamping force		Clearance between tie bars	max. shot weight (PS)
BOY XXS 63 kN		160 mm / 205 mm diagonal	13.9 g
BOY XS 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 50 E 500 kN		360 mm x 335 mm (h x v)	157.6 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 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

Dimensions in the compact class

The range of BOY is convincing

- Most comprehensive range of servo hydraulic injection moulding machines up to 1,250 kN
- Cantilevered two-platen clamping system
- Efficient servo-motor pump drive
- EconPlast technology
- Economic and efficient operation
- High reliability and operating stability
- Intelligent control software for intuitive operation
- Small installation surface
- Low machine hourly rates

Product Range

BOY insert moulding machines (*parting line injection)

Machine type/ Clamping force		Clearance between tie bars	max. shot weight (PS)
BOY XS V 100 kN		160 mm / 205 mm diagonal	7.3 g
BOY 22 E HV* 220 kN		254 mm	58.2 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 (h x v)	69.5 g
BOY 35 E HV* 350 kN		280 mm x 254 mm (h x v)	69.5 g
BOY 35 E VH* 350 kN		280 mm x 254 mm (h x v)	69.5 g
BOY 55 E VV 550 kN		360 mm x 335 mm (h x v)	151.3 g

Your advantages:

- Insert moulding machines with clamping forces of 100, 220, 250, 350 and 550 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 40 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**.



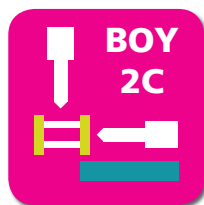
Servo-Drive



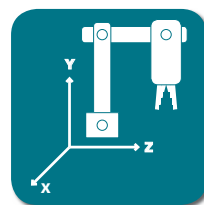
Procan ALPHA®



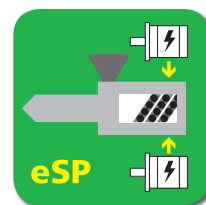
Technology



Multi-Component



Automation







E-Drive

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 280.5 cm³, as well as injection pressures up to 3128 bar are possible.
- The controls of both machines communicate with each other via special interface.
- Thus, flexible operation of the machine in innumerable options of application is possible in the area of the multi-component injection moulding.

Machine type		injection unit	max. shot weight (PS)
BOY 2C XS		SP 14	7.3 g
BOY 2C S		SP 11	4.1 g
		SP 16	5.6 g
		SP 45	27.7 g
		SP 56	18.6 g
		SP 81	27.7 g
BOY 2C M		SP 96	69.5 g
		SP 205	151.3 g
BOY 2C L		SP 370	255.3 g

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



Data and Equipment (complete overview)



Competence brochure



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