

## Press Release 16/2020

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The BOY 35 E stands for efficiency, compactness, connectivity and versatility

The BOY 35 E injection moulding machine offers five strong advantages which means a benefit with every shot for the operators in the plastics processing industry:

- An energy-optimised servo-drive with high dynamics and smooth running
- Up to 50 % more efficient EconPlast plasticising unit
- The smallest footprint (1.96m<sup>2</sup>) in this clamping force class
- Most simple connection of automation, also of the BOY-Handling units of 2K-technologies with additional injection units and vertical insert moulding technology
- Digitalised connectivity with OPC UA and according to EM 77 / 83

The four-tie bar injection moulding machine BOY 35 E offers a clamping force of 350 kN and a universal injection unit with screw diameters from 14 to 32 mm.

With a footprint of only 1.96 m<sup>2</sup>, the BOY 35 E is particularly suitable for the production of precision parts within narrow tolerance ranges with a part weight of up to 69.5 g (PS). A wide variety of thermoplastics, elastomers and silicones, as well as thermosets, metals and ceramics can be processed with the BOY 35 E.

The fully hydraulic reciprocating-screw injection moulding machine with two-platen clamping unit, swivel-out injection unit and energy-efficient servo drive has been proven to achieve the lowest possible machine-hour rates. Equipped with the optionally available EconPlast

plasticising unit, the energy consumption of a BOY 35 E is significantly reduced. Awarded with the efficiency classification 7+ according to Euromap 60.1 (energy consumption only 0.49 kWh/kg material throughput), the BOY 35 E maintains an unrivalled top position in its clamping force class.

Injection into the parting line - no problem with the BOY 35 E HV. Especially in this segment, BOY has a very large market share worldwide. With a horizontal clamping unit and a vertically arranged injection unit, the materials are injected into the parting line of the mould. Thus, injection points on decor surfaces are avoidable. Expensive and complex hot runner techniques are not necessary. Sprues can also be avoided by the injection into the parting line.

The BOY 35 E is available in a total of four different machine types, where the clamping unit and the injection unit are each arranged horizontally or vertically.

A closer look with regard to the design and the advantages of the different machine configurations is provided on the website ([www.dr-boy.de](http://www.dr-boy.de)) of the medium-sized manufacturer of injection moulding machines with clamping forces up to 1250 kN, based in Neustadt-Fernthal, Germany.

