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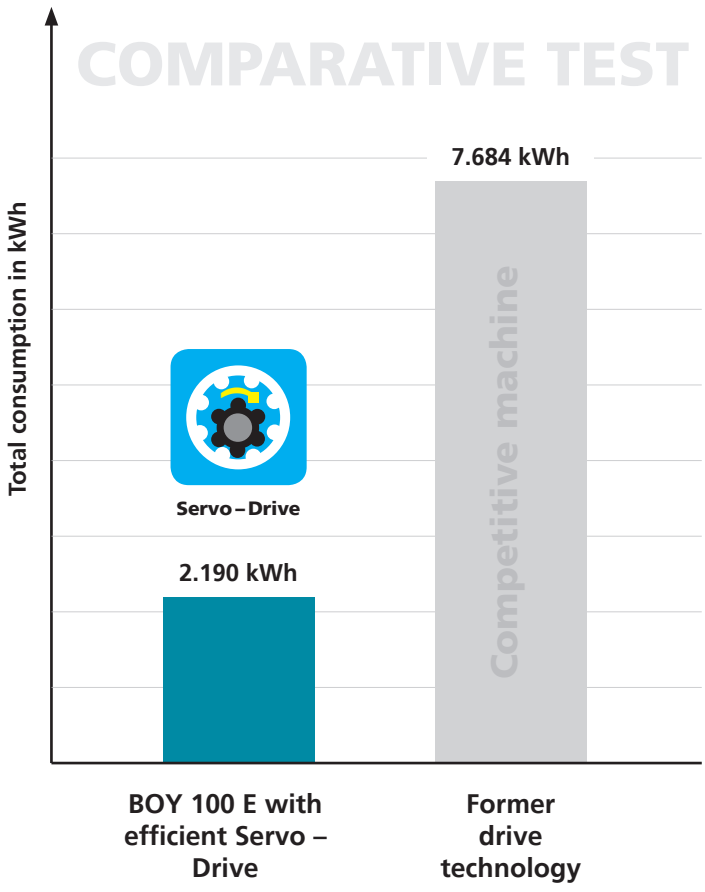
BOY Spritzgiessautomaten

Minimise the ecological footprint of your injection moulding machines by consequent energy savings

„**Profit lies in purchasing**“ - this basic commercial rule can also be applied to the production of plastic parts. The less energy an injection moulding machine consumes in the production process, the better its cost-benefit analysis.

This underlines a practical example:
For the production of a plastic cover with a weight of approx. 50 g our modern BOY 100 E injection moulding machine requires a total of **only 2.190 kWh** of heating and drive power per hour. An older comparable machine consumes **7.684 kWh, which is more than three times as much** under exactly the same conditions. The difference is around 5.5 kWh per operating hour, which adds up to 33,000 kWh per year in three-shift operation.



In terms of costs, this is **a savings potential of € 6,600 per year (!)** - at a power purchase price of € 0.20 per kWh.

With a lower parts price and lower machine hourly rates, the operator gains considerable competitive advantages. Thus, acquisition costs for economically viable new machines can be quickly compensated.

Savings reduce the ecological footprint
With each kWh saved, approx. 400 g of CO_2- emissions are being prevented, according to recent data from the Federal Environment Agency. For the example described **more than 13 tons (!)** less emissions would be produced per year. The smaller ecological footprint of these new plastics-processing machines impresses with further savings potential not only the highly committed climate activists but also the machine operators: Since the beginning of this year electricity producers have been paying an annually increasing CO_2 – tax. It is highly probable that these costs – converted to the respective consumption quantities - will be passed on to their customers, i.e. to you, too.

Emission

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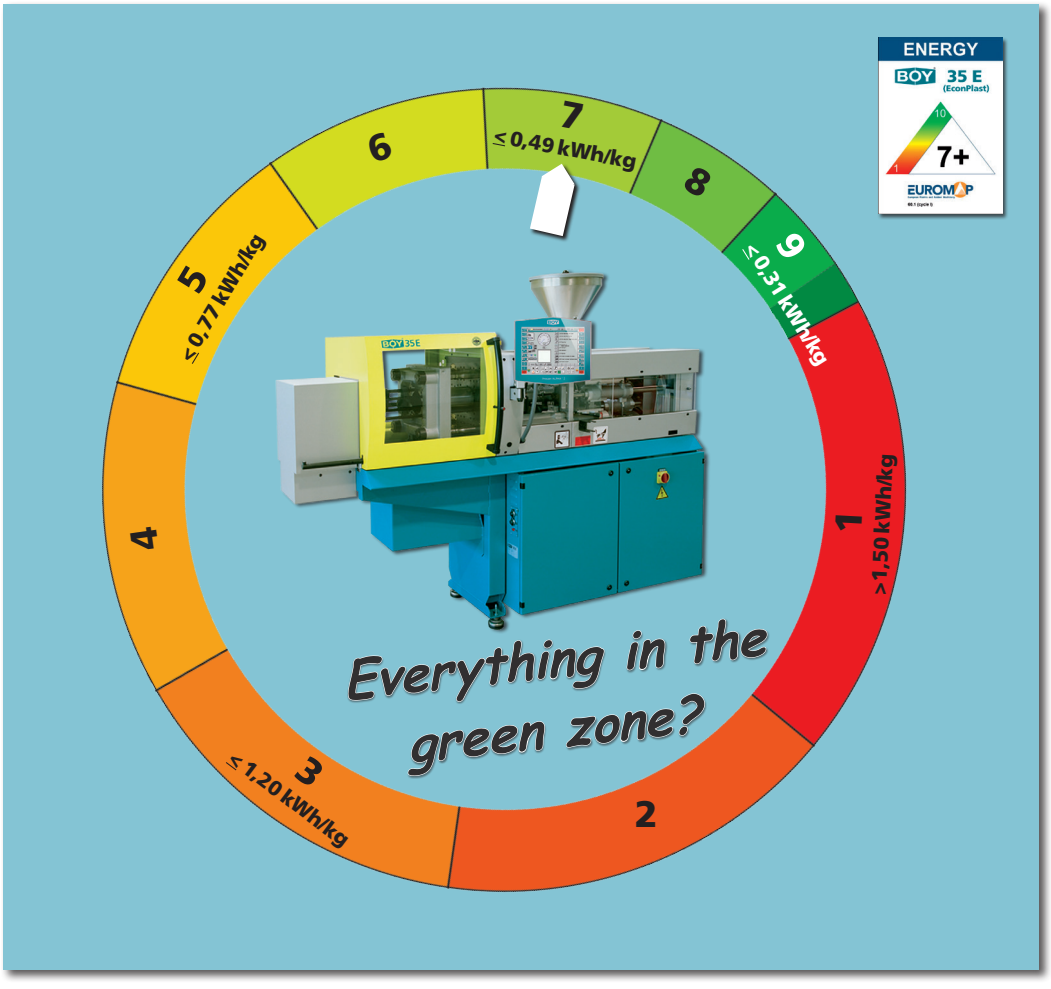
The time has come to replace old injection moulding machines by new and more efficient ones. Even in the current troubled waters in the plastics processing industry, operators should part with their "old treasures" and **take a step forward** economically as well as ecologically with modern BOY injection moulding machines.

With award

BOY injection moulding machines show extremely good energy classifications according to **Euromap 60.1.**

These guidelines focus on the most environmentally friendly and resource-saving operation of injection moulding machines. From **performance class 1** (worst assessment) to **class 10** with an energy consumption of only **250 Watt per processed kg of plastic**, fixed efficiency classes have been created which are manufacturer-independent in terms of machine technology. Depending on the machine size and its equipment, the BOY **E-series** has a Euromap classification of **9+**

Further classifications according to Euromap 60.1



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