

Erlenbach Engineering
> Hydraulic moulding machines
> EHV-B
> EHV-B-PP

EMBase

Cost-efficient moulding machines with hydraulic drives



Erlenbach
Maschinen



EMBase

– *Starting you up*

The **EMBase** product range makes it easy to start your shape moulding production. Developed and made in Germany, **EMBase** is distinguished by a low price that is unrivalled on the market. **EMBase** guarantees superior quality. The **EMBase** is ideal as a cost-effective starter model, or for expanding your production or as a replacement investment.

The application area comprises EPS and EPP processing of medium to large moulded part batches at high quality and process levels.

Consistent use of proven technologies and robust components in the product enables customers to continue to cost-effectively invest and produce in the future as well.

Developed as a standard machine, Erlenbach offers the **EMBase** in three standard machine sizes: EHV-B 745/545, EHV-B 1345/945 and EHV-B 1345/1145.

Areas of application

- EPS and EPP processing
- Medium and large batch sizes
- Operating pressures: max. 1.4 bar
- Machine stroke: 1,000 mm
- Monobloc holder

Advantages

- Low investment costs
- Solid and robust construction
- Long service life
- Flexible mould system
- High availability

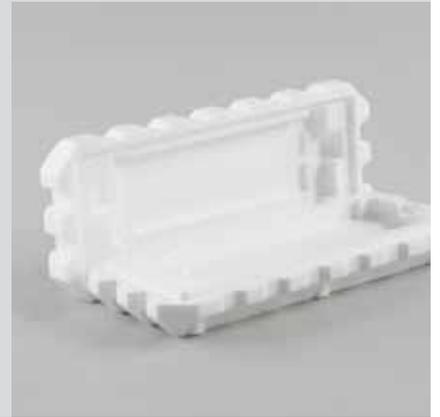
Drive concept

The **EMBase** range is equipped with a hydraulic drive, which is switched in engine cut-out operation and controlled with optimised pressure via the PLC.

Mould system

- Erlenbach EHV system
- Mould holder for competitive machines/products
- Monobloc mould holder
- Ejector system: mechanically mounted





Control concept

The machine is controlled by an electronic networkable, high-performance PLC which features process-oriented parameter input and user-friendly menu navigation.

In conjunction with the digital EM regulator, the rapid reactions of the controller lead to a reproduction of the set values, and thus to less energy consumption during the processing.

Filling system

The moulding machines of the **EMBase** are equipped with an EM pressure filling system as a standard feature. The pressure regulation is controlled by a quick-reacting PID regulator. The material is supplied to the pressure filling container via a central vacuum blower. Depending on the machine type, the pressure filling containers are tested for a maximum operating pressure of 2 bar and secured via the correspondingly preset safety valves. The standard equipment also includes 16 injector connections with quick couplings to the bottom of the pressure filler and the filling level indicator to ensure a safe and secure production process.

Machine accessories

- EHV steam chambers
- Crane way system
- Mechanical or electrical hoist for mould changes
- Part demoulding by a „product slide“
- Various extension steam chambers
- Second pressured filler
- Single or central vacuum system





- We reserve the right to make technical changes without prior notice -

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