

AMAZING
HIGH
PERFORMANCE
for **SO**
little Money



the **e-machine**.



e-magine ...



All electric and precise

Imagine a machine that has state-of-art all electric drive technology. A machine that works extremely precisely. And thus manufactures parts to exacting precision requirements, safely and with a high degree of process stability.





e-magine ...



Staying **flexible**.

Imagine a machine that helps you to stay flexible. Because it offers you enough options to be able to realise increasingly complex injection moulding applications in future.

em



e-magine ...



Save space

Imagine a machine that takes up very little of your valuable shop floor space. Because it has a very compact design. No matter whether working as a stand-alone system, or combined with a robot to produce an efficient production cell.

Imagine the floor space you could free up thanks to this extremely compact machine. What would you do with it?



Save energy and cut costs.

Imagine a machine that uses your valuable energy so sparingly that it saves you cash. Shot for shot.

e-magine ...



e-magine ...



Fast acceleration!

Imagine a machine with impressive dynamic values. With an acceleration that outperforms everything that has gone before in its class, thus ensuring fast cycle times and maximum productivity for your application.

e-mac

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ENGEL e-mac. A machine that achieves even more for you. A machine that combines great performance with amazing precision. All electric. A machine that offers you a huge amount of freedom. Freedom enough to design your individual injection moulding applications with the required degree of flexibility.

The innovative ENGEL e-mac does not use up too much of your floor space despite offering excellent performance. It is a machine that is extremely frugal. In ongoing operations, because it uses very little energy. But above all in terms of capital outlay: **keyword: unbeatably inexpensive purchasing price.**

the **e-machine.**

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2

Flexible thanks to many options

3

Save space and cut costs.



1

All electric drive technology meets precision

4

Cost savings thanks to energy efficiency.

5
The fastest acceleration. Worldwide.

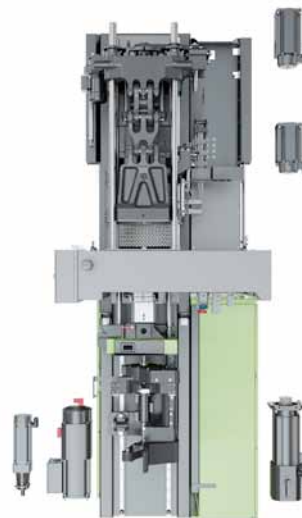
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1

All electric drive technology meets precision

Some machines claim to be electric. Because one or two drives use servo-electrics. **Compared to them, the ENGEL e-mac is not just electric, but all electric.** Through and through. Because all movements are performed by servo-electric drives. From injection and plasticising, through the nozzle unit, to the mould and ejector movements. The results:

- **Best of class efficiency** for the whole machine
- **Maximum precision** of all movements, and thus ideal for components that need to be highly precise
- **Impressive process stability** for a maximum number of good parts



3

Save space and cut costs.

The ENGEL e-mac helps you save space: length x width x height. Thanks to its extremely compact dimensions*), the machine makes optimum use of your valuable floor space. This means more performance per square meter – or to be more precise, per cubic meter. Or, to put it another way: more machines – and thus more productivity – per shop floor. **No matter which way you look at it, the ENGEL e-mac gives you more for your money.** After all, none of us has money to give away?

Do you need an intelligent automation solution for your injection moulding application? The matching extension package 6/7 converts your ENGEL e-mac into a **highly efficient production cell.** And one that still makes sparing use of your shop floor space.

*) Dimensions ENGEL e-mac 50/50: Length: 3.7 meters; Width: 1.5 meters; Height: 1.7 meters

2

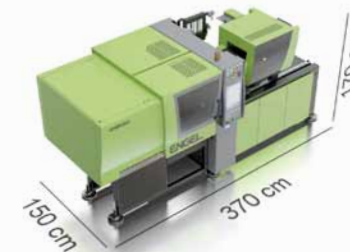
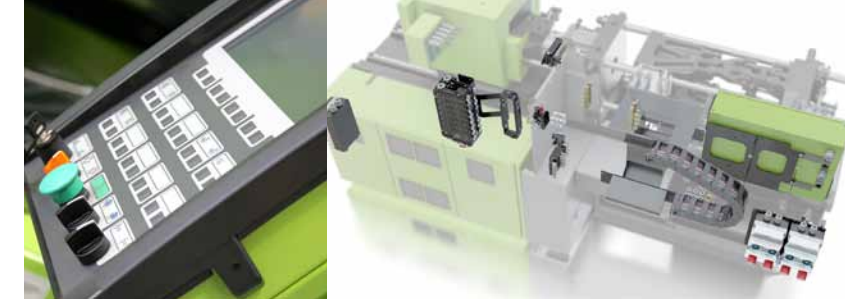
Flexible thanks to many options

The new ENGEL e-mac is extremely attractively priced, but also uncompromising in terms of flexibility. After all, you can rely on it to implement very complex injection moulding applications in a highly efficient and user-friendly way. Whether now, or in future when your requirements change. After all, it **uses the proven ENGEL CC 200 control unit** which offers all ENGEL machines maximum feature scope.

Robot control unit = Machine control unit

Of course, these control benefits also apply if you rely on intelligent automation. Thanks to the simple ENGEL equation of „Robot control unit = Machine control unit“, you can simply control your robot with your machine. **This means: one control unit, unified data management, and: improved productivity thanks to synchronised move sequences.**

All contributing towards an efficient package solution. **This is full integration as ENGEL understands it. This is ENGEL e-mac.**



the-machine.

Cost savings thanks to energy efficiency.

The ENGEL e-mac is an energy saving champion. Thanks to all electric drive technology and best of class efficiency. And thanks to a number of further energy saving solutions, such as intelligent energy recuperation. This recuperates energy generated by braking movements and feeds it directly back into the power grid.

The machine's impressive energy efficiency translates into **cash savings for you**. Shot for shot. This helps you keep your ongoing operative costs down to an amazingly low level. This is the intelligent way to save. **This is: the ENGEL e-mac.**

4



5

The fastest acceleration. Worldwide.

The ENGEL e-mac's acceleration is breath-taking. At 22 m/s² it sets a new standard in the acceleration of the injection axis. Worldwide. This and a number of additional, impressive performance parameters help the ENGEL e-mac to ensure fast cycle times and maximum productivity for your application.

the-mac
the-mac





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ENGEL **e-mac**

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