



Our Passion –  
Your Success



KePlast i3000 – Navigate to the future  
with the optimized automation solution  
for injection molding machines

**KEBA**<sup>®</sup>

Automation by innovation.



# Our passion – Your Success. Cutting-edge solutions with KePlast i3000

Simplicity, modern operation, and strong performance are particularly important in controlling injection molding machines. With KEBA, you can rely on innovative automation solutions with the highest service quality. In line with its credo, Automation by innovation, KEBA has been developing cutting-edge solutions accustomed and optimized to the needs of the plastics industry – because our passion is your success.

## We speak the language of your industry

What is the key success factor for being a leading machine producer? A strong partnership with KEBA! Over 30 years of experience in the plastics and die-casting industries enable the comprehensive understanding including the markets, processes, technologies, and customer-specific requirements.

## Premium technology meets customer needs

The new control generation KePlast i3000 stands out with the latest multitouch technology and a powerful controller with a future-proof software platform which enables several communication protocol & interface standards, such as OPC UA and EUROMAP 77, 79, 82, etc.

This ready-to-use turnkey solution consists of initial consultation on system design and installation up to series production support. The Linux-based platform enables state-of-the-art gesture operation and maximum individuality for customer-specific requirements & upcoming technologies.

With its high-performance control system and innovative, fast multitouch operating panel, KePlast i3000 is the perfect solution for hydraulic, hybrid, all-electric, and multi-component injection molding machines.

The integrated software libraries provide the latest state-of-the-art technologies for controlling complex injection processes and guarantee fast, user-friendly, and efficient application programming.

## KePlast i3000 highlights

- Multitouch HMI panels with established key operation
- Modern design combined with gesture control
- Linux-based and future-proof platform
- Compact controller with integrated I/Os
- High-speed EtherCAT fieldbus
- New & innovative closed-loop concepts
- Scalable product system range
- Smart product portfolio for Industry 4.0 readiness
- Open application framework

## Feel the innovation with KePlast i3000 and the latest multitouch technology

### HMI - Visualization

Modern & user-friendly operating panels  
OP 512, OP 515 & OP 518:

- 12", 15" & 18" display via DVI interface
- High-end PCT multitouch screen
- Including established machine keyboard & switches
- Fully customizable HMI hard- & software

Depending on the machine requirement, customers are offered with various opportunities of modular or compact control solutions in combination with the highest individualization in software. The integrated software libraries provide the latest state-of-the-art technologies for controlling the complex process of injection molding as well as modern multitouch machine operation.

The control solution of the KePlast i3000 series combines the latest multitouch technologies with a future-proof control platform. The Linux-based complete package offers modern gesture operation, top performance, and outstanding individuality. With its high-performance control system, KePlast i3000 enables fast-reaction control and new, improved closed-loop concepts for high-speed and maximum precision. Comprehensive software and technology libraries guarantee fast and simple application programming.

### The focus is on the user

The 12", 15", and 18" multitouch screen panels of the OP 500 series set new standards in operation. A smooth workflow with intuitive multitouch gestures allows process values to be set extremely quickly and reduces the time required for sampling and service.

Furthermore, KeView Style – the modern and Java-based HMI framework including tooling – offers several multimedia features, HTML 5, online help, PDF, videos, etc. This clear and modern design allows the highest usability of the user and enables the possibility of any future HMI.



### Modern HMI

Fast, user-friendly, and haptic elements for best operation



### i4.0

#### Ready for Industry 4.0

Smart assistance systems for highest productivity



#### Future-proof platform

High-end, modular, and scalable hardware & software platform

### Controller & I/Os

Powerful & scalable platform  
CP 056 & CP 057:

- Intel x86 multi-core CPU
- Compact control including onboard I/Os
- KeControl C5 I/O pin size of 3.81mm
- High-speed EtherCAT fieldbus
- Linux-based & future-proof architecture
- Fast-reaction & 500µsec cycle time
- Optional: CP 507 modular control

## Your benefits with KePlast i3000



### Premium quality & design

Best and fast support worldwide



### Strong partnership

Best & fast support due to over 30 years market experience & industry insights



# Future-proof platform for any requirements towards digitalization and technology trends

**With innovation cycles becoming frequently shorter, the market demands a broad portfolio of new technologies that needs to be integrated quickly and easily. At the same time, these systems must be scalable and highly flexible.**

## With smart technologies into the future

The KePlast i3000 series provides the latest Industry 4.0 technologies which enable worldwide connectivity with cloud-based data management and smart IT integration. Both the hardware and software are optimized for injection molding machines.

The series offers numerous communication protocol and interface standards, such as Ethernet with OPC UA and EUROMAP 77, fast and secure data storage for predictive analytics and maintenance as well as further customer-specific adaptations.

## KePlast Smart Industry – I4.0 portfolio for the smart IMM manufacturer

Through the partnership with KEBA, the IMM manufacturer benefits by having an expert at its side who plays a pioneering role in various areas, including the integration of Linux-based technologies and other cloud-based assistance services.

KePlast Smart Industry consists of several assistance systems, e.g. KePlast ServiceNet, which enables worldwide access to the machine and rapid problem solving by experts – the world-wide server infrastructure guarantees fastest communication. KePlast EasyNet monitors the machine productivity on stationary & mobile devices and is understood as Manufacturing Executing System (MES) for small and medium-sized companies.



# Fit for the future with KEBA.

Founded in 1968, KEBA AG is an internationally successful electronics company based in Linz/Austria with subsidiaries around the world.

In line with its credo, "Automation by innovation", KEBA has been developing and producing inventive, top-quality automation solutions for 50 years for industrial, banking, services and energy automation branches. Indeed, as a result of competence, experience and courage, KEBA is the technology and innovation leader in its market segments. Extensive development and production expertise represents a guarantee for the highest quality.

[www.keba.com/keplast](http://www.keba.com/keplast)

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