

## PLASTICS

# KePlast i3000

Navigate to the future – When premium technology meets customer needs



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

### Premium technology meets customer needs

The Linux-based platform enables state-of-the-art gesture operation and a maximum individuality for customer-specific requirements & upcoming technologies.

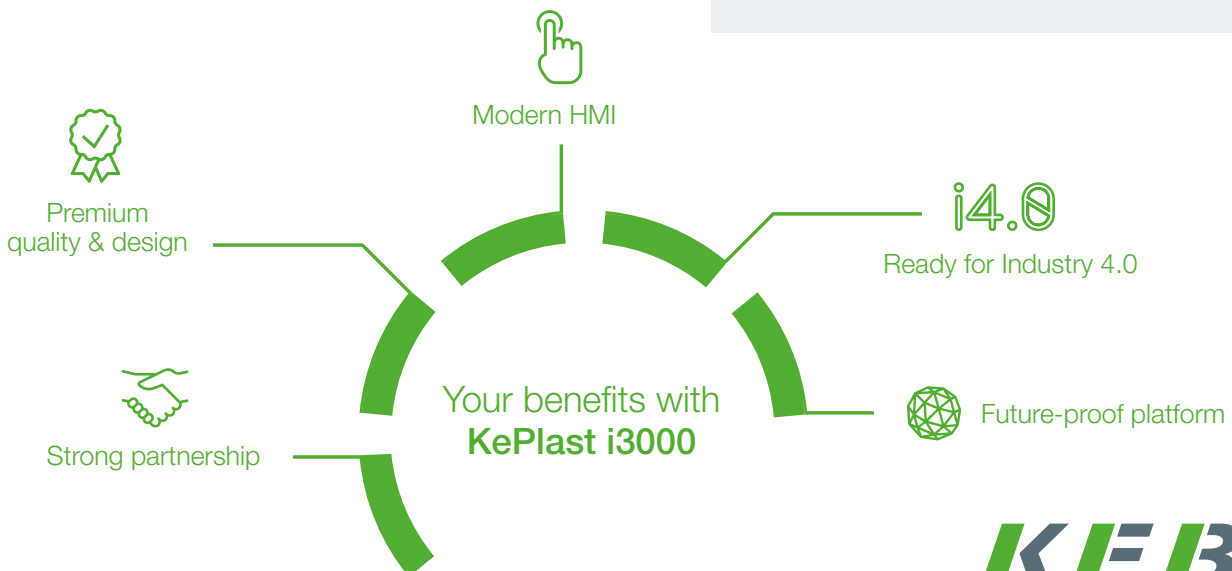
With its high-performance control system and innovative & fast multitouch operating panel, KePlast i3000 is the perfect solution for hydraulic, hybrid, all-electric, and multi-component injection molding machines.

### Navigate to the future

The 12", 15" and 18" multitouch screen panels of the OP 500 series sets 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.

### 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



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

## HMI – Visualization

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

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

## 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



Control	KePlast i3012	KePlast i3015	KePlast i3018
CPU	CP 056: Intel x86, 3x 1.91GHz, CP 057: Intel x86, 4x 1.91GHz		
Memory	CP 056: 2GB RAM, CP 057: 4GB RAM, Micro-SD card slot		
Interfaces	1x EtherCAT, 2x Ethernet, 2x USB, 1x CAN, 1x RS232/485		
Graphic interface	DVI interface for OP 300 / OP 500 monitor panels		
Onboard I/Os	48 DI, 56 DO, 8 AI, 6 AO, 10 TI		

Operating panel	KeTop OP 512	KeTop OP 515	KeTop OP 518
Display	12.1" 4:3	15.6" 16:9 Widescreen	18.5" 16:9 Widescreen
Resolution [px]	1024x768 XGA	768x1366 WXGA	768x1366 WXGA
Operation	Multitouch gesture operation, max. 5 finger		
Touchscreen	PCT capacitive multitouch screen, glass front		
Machine operation	Membrane foil keys		
Digital inputs / outputs	12 digital inputs / 4 digital outputs for external switches, push-buttons and lamps		

Software technology	
Operating system	Linux OS
Cycle time & features	500µsec cycle time, 62.5µsec fast cut-off reaction
Visualization system	KeView Style multitouch framework
Options	Comprehensive KePlast app library, fast reaction control, fast closed-loop control