PLASTIC

KePlast i8000

High-end technology
for hydraulic injection molding machines

The control solution of the KePlast i8000 series combines the latest multitouch technology with an open control platform. The Linux-based complete package offers state-of-the-art gesture operation, top performance and maximum individuality.

With its high-performance control system and innovative, realtime-capable multitouch operating panel, KePlast i8000 is the ideal solution for hydraulic, hybrid and all-electric multi-component injection molding machines. Comprehensive software and technology libraries guarantee fast and simple application creation.

Top control performance for highest demands

The new generation of the CP05x series has been optimized for the complete automation of injection molding machines in the demanding performance segment. Equipped with various processor classes, the platform offers optimal scalability for automation functions such as regulation, control and visualization. The open Linux control platform with extremely short control cycles enables seamless integration of the drive and I/O technology via EtherCAT and is equipped to meet all challenges of the Industry 4.0 automation environment.

The focus is on the user

The 15" and 21" multitouch widescreen displays of the AP500 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.

The sophisticated operating concept ensures that users can quickly come to grips. In addition, the graphical software support reduces operating errors. Machine manufacturers can create user-specific applications extremely quickly and optimize them to the appearance of the machine.

Easy Multitouch operation

Flexibility through openness

Maximum openness and flexibility mean that there are no limits to customer- and machine-specific modifications. The integration of the user's own technology libraries provides know-how protection and existing process know-how can continue to be used.
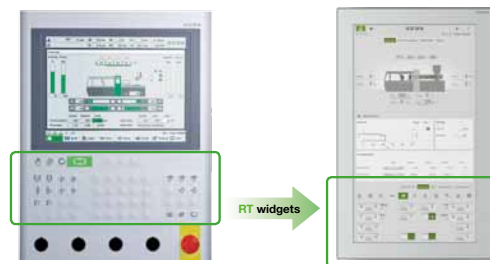
KEBA

Automation by innovation.

KePlast i8000

Intelligent solutions for innovative machines

Machine operation in real-time

Using the unique RealTime Multitouch and corresponding RealTime Widgets, hand movements are reliably and directly translated into machine movements. The realtime capability of the operating panel is also provided without expensive mechanical command devices. Mechanical built-in elements and membrane buttons are therefore a thing of the past – adaptation of the operating panel to various machine configurations has never been easier.

RT widgets

Multitouch gestures instead of buttons

	KePlast i8015	KePlast i8021
Control		
CPU	Multi-core CPU, CP 053: 1x 1,91Ghz, CP 054: 2x 1,91Ghz	
Interfaces & I/Os	1x EtherCAT, 1x Ethernet, 2x USB, CAN	

Operating panel	KeTop AP515	KeTop AP521
Display	15.6" WXGA (1366x768)	21.5" Full HD (1920x1080)
Touch	Projected capacitive multitouch	
CPU	Multi core CPU 4x1.91GHz	
Interfaces & I/Os	2x Ethernet, 4x USB, 12x DI, 4x DO, RFID	
Installation	Console mounting with quick lock, AP521: support arm optional	
Extension panel (optional)	2x3 freely selectable openings, 1x emergency stop, RFID module (Euromap 65 compliant)	2x4 freely selectable openings, 1x emergency stop, RFID module (Euromap 65 compliant)

Software technology		
Operating system	Linux / open architecture optional	
Visualization system	KeView Style, Java FX	
Options	Comprehensive KePlast app library	

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