PLASTICS

KePlast i1100

Top performance for hydraulic injection molding machines

KePlast i1100 combines an outstanding and user-friendly operation with established keyboards and a top performance control for highest productivity – perfectly designed for hydraulic standard injection molding machines. The series' future-proof Linux-based software platform enables any Industry 4.0 (I4.0) requirements, communication protocol and interface standards, such as OPC UA & EUROMAP 77.

The focus is on the user

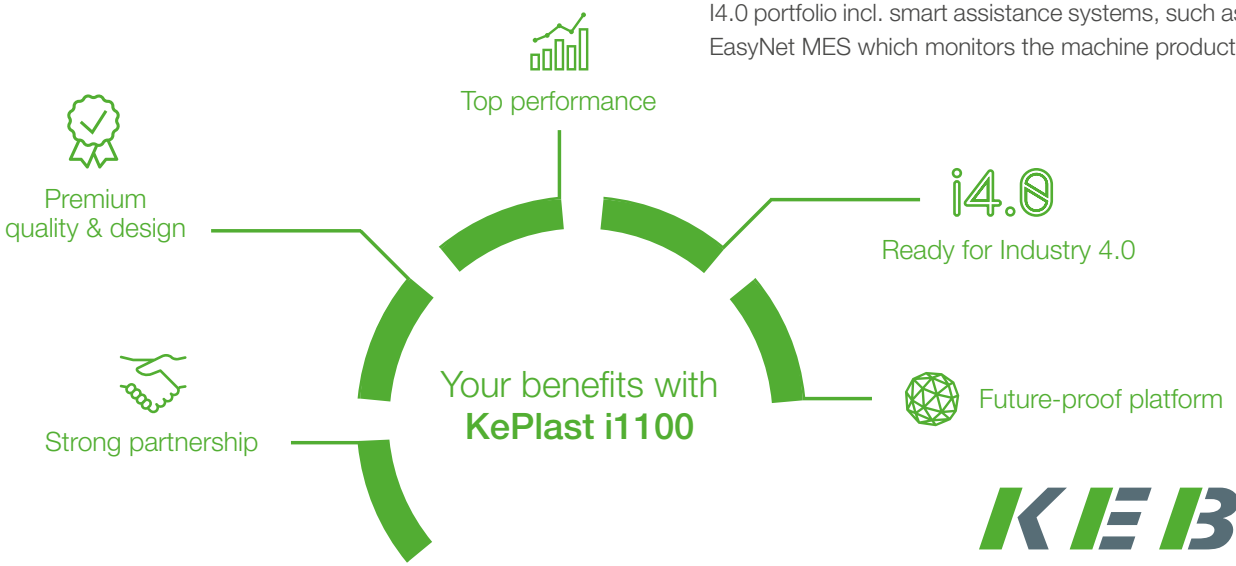
The entire series offers an unique and open KePlast framework for the adaptation of control PLC as well as customizing of HMI user screens via a modern and user-friendly tool suite. The operation panels cover a wide range of 7" to 12" brilliant TFT displays and follows a clear and easy-to-use menu structure. A smooth workflow with intuitive operation and best usability for eco machines allow process values to be set extremely rapidly – with several features, such as the Quick Access & Info Panel.

High performance control for hydraulic machines

With its powerful control CP 035, KePlast i1100 is optimized for both vertical and horizontal machines in combination with servo pumps or other peripheral devices that can be connected via high-speed EtherCAT. Due to the increased performance of the controller, maximum process accuracy can be achieved for perfect results.

Control to the future with KePlast i1100

KEBA speaks the language of the plastics industry including the understanding of the markets, processes, technologies, and customer-specific requirements. In addition to a strong and reliable partnership, you can benefit from the KePlast system and its premium quality both on hardware and software level. The modular and scalable future-proof platform ensures the best performance for all machine requirements towards any digitalization trends. Comprehensive software & technology libraries guarantee fast, efficient, and simple application programing. KePlast Smart Industry offers a broad I4.0 portfolio incl. smart assistance systems, such as KePlast EasyNet MES which monitors the machine productivity.



www.keba.com

KEBA®
Automation by innovation.

Top Performance Control – CP 035

Powerful CPU with I/O board
Intel x86 & 1ms cycle time
Various digital & analog I/Os

Removable service cover
Convenient service:
Micro SD, fan, battery

Interface bar
Panel OP 3x1 series
CAN & serial interface
Status & control switch

Modern design
In style of KeControl C5 &
KeConnect C5 I/Os

Connectivity bar
EtherCAT high-speed fieldbus
Ethernet & USB interface

Fast cut-off reaction for best process quality

Due to a sophisticated solution on the hardware level, a fast cut-off reaction of 62.5µs and a minimized jitter is guaranteed for an absolutely stable process. Various digital and analog inputs and outputs can be freely configured according to specific machine requirements. The implemented cut-off detection on the CP 035 controller – in combination with an immediate output reaction – is the optimized solution for perfectly molded parts.

Control	KePlast i1170	KePlast i1175	KePlast i1180
CPU	CP 035: High-speed Intel x86, 1x 1.46GHz		
Memory	1GB RAM, Micro SD card slot		
Interfaces	1x EtherCAT, 1x Ethernet, 2x USB, 1x CAN, 1x RS232/485		
Graphic interface	LVDS interface for OP 3x1 monitor panels		
Onboard I/Os	48 DI, 56 DO, 8 AI, 6 AO, 10 TI		

Operating panel	KeTop OP 331	KeTop OP 341	KeTop OP 351
Display	8.4" SVGA TFT	10.4" SVGA TFT	12.1" SVGA TFT
Resolution [px]	800 x 600 SVGA		
Keys	Micro switch keyboard		
Operation	Cursor navigation, numeric keypad		
Machine operation	31 keys / 10 leds	36 keys / 15 leds	36 keys / 15 leds
Digital inputs	16 digital inputs for external switches and push-buttons		

Software technology	
Operating system	Linux OS
Cycle time & features	1ms cycle time, 62.5µs fast cut-off reaction
Visualization system	KeView Basic
Options	Comprehensive KePlast app library

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