

PLASTICS

KePlast i1 100

Top performance for hydraulic injection molding machines



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

The focus is on the user

While offering a unique and open KePlast framework, the series adapts control PLC and customizes 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 follow an easy-to-use menu structure.

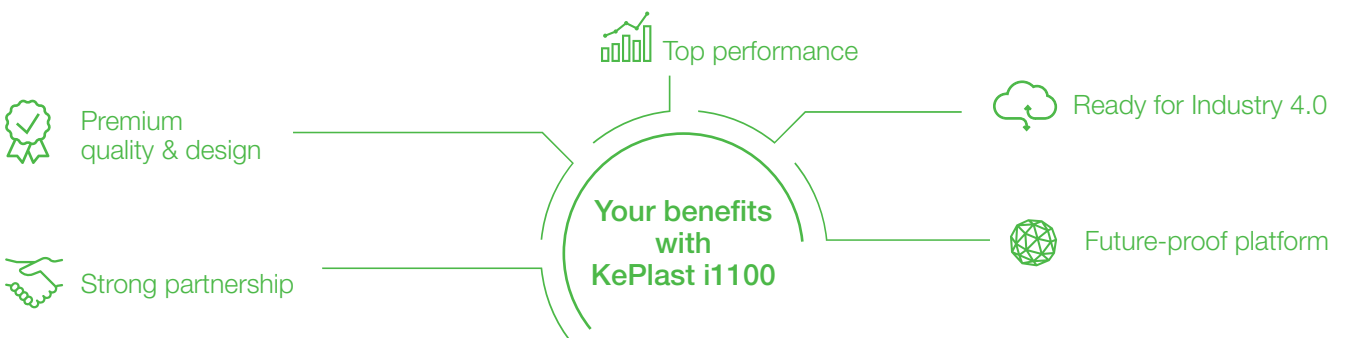
A smooth workflow with intuitive operation and best usability for eco machines provide an exceptionally rapid set-up for process values – with several features, e.g., Quick Access & Info Panel.

High-performance control for hydraulic machines

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

Control to the future with KePlast i1100

KEBA speaks the language of the plastics industry: We understand the markets, processes, and customer-specific requirements. You can benefit from a strong partnership and the KePlast system with premium quality on both hardware and software levels. Comprehensive technology libraries guarantee efficient and user-friendly application programming. The future-proof platform ensures the best performance towards any digitalization trends offering a broad Industry 4.0 portfolio, such as KePlast EasyNet MES for machine production monitoring.



KePlast i1100

Top Performance Control – CP 035



Modern design

In style of KeControl C5 & KeConnect C5 I/Os

Powerful CPU with I/O board

Intel x86 & 1ms cycle time
Various digital & analog I/Os

Interface bar

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

Removable service cover

Convenient service:
Micro SD, fan, battery

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