

# Smart MC6-Upgrade

## Old controls limit performance

In modern production, the possible applications for older injection moulding machines are limited. This is often due to the controls and the installed computers. Limited by the performance of the processors and the memory, today's mostly very complex programs cannot be used here or older machines cannot be integrated into the production network because the required interfaces for data transfer are not available for them.

Last but not least, every discontinuation of an electrical component also increases the risk in the supply of spare parts for these control systems and thus endangers the availability of the plant.

## smart MC6-Upgrade, the rejuvenating cure for older controllers

The smart MC6-Upgrade combines the proven mechanics of the older machine with the modern control system of the MC6. For the operator, this is a very attractive modernisation option, both economically and technologically, which enables him to fully meet the production requirements again in a short time.

Even with the standard software package, the smart MC6-Upgrade offers numerous features for increasing performance which, depending on the application, shorten the cycle time, optimise energy consumption or enable the connection of additional systems and simplify their integration considerably. Special programmes and functions that were already installed are also adopted.

## Modernisation is sustainability

Modernisation with the smart MC6-Upgrade is synonymous with sustainability. The integration of existing control cabinets and electrics saves resources, costs and effort during installation, and also significantly extends the life cycle of the machine.

**KraussMaffei**  
*Pioneering Plastics*



MC6-Panel, 21,5" Touch

## Your benefits at a glance:

- **Performance increase**  
Reducing cycle time by up to 3 seconds, output can be increased significantly.
- **Energy savings**  
The new MC6 control unit enables the use of ecoAssist and weekly timer reducing energy and CO<sub>2</sub> consumption.
- **Extend lifespan**  
Upgrade your old machine with the latest machine control with a lead time of just four weeks. Thereby, making obsolescence challenges obsolete.
- **Enable digital products**  
Benefit from KM digital services like APCPlus and smartOperation.

# Scope of delivery examples



Heart of the smart MC6-Upgrade, integrated MC6 control



CPU-tool heating module



Closing control, completely converted to current MC6 modules



Examples of the emergency stop 2-channel safety concept with contactless circuit breakers on all door elements

## Delivery programme:

The smart MC6-Upgrade is focused on the machines of the MC series with MC3-F and MC4- controls.

A smart MC6-Upgrade solution for other series and versions requires a technical inspection and is available on request.

## Option2:

- Available is the complete MC6 retrofit programme and the MC6 additional equipment (ZE catalogue)
- Interfaces (hard- and software) for networking, communication and Digitization solutions
- Software for modular function extensions