



PLC CONTROLLER REPLACEMENT WITH UNIKO

Nov. 2025

automa

by ^{SPA}magic _{MP}
MACCHINE E STAMPE
PER MATERIE PLASTICHE



UNIKO : NEW CONTROLLER for all brands of blow moulding machines

2



One PLC solution for all brands of continuous shuttle machines and accumulation heads ones.

Already applied on 16 EBM different brands

Some Numbers :

198 PLCs replaced in 7 years:

- 162 applied on EBM Continuous extrusion
- 36 applied on EBM Accumulator machines

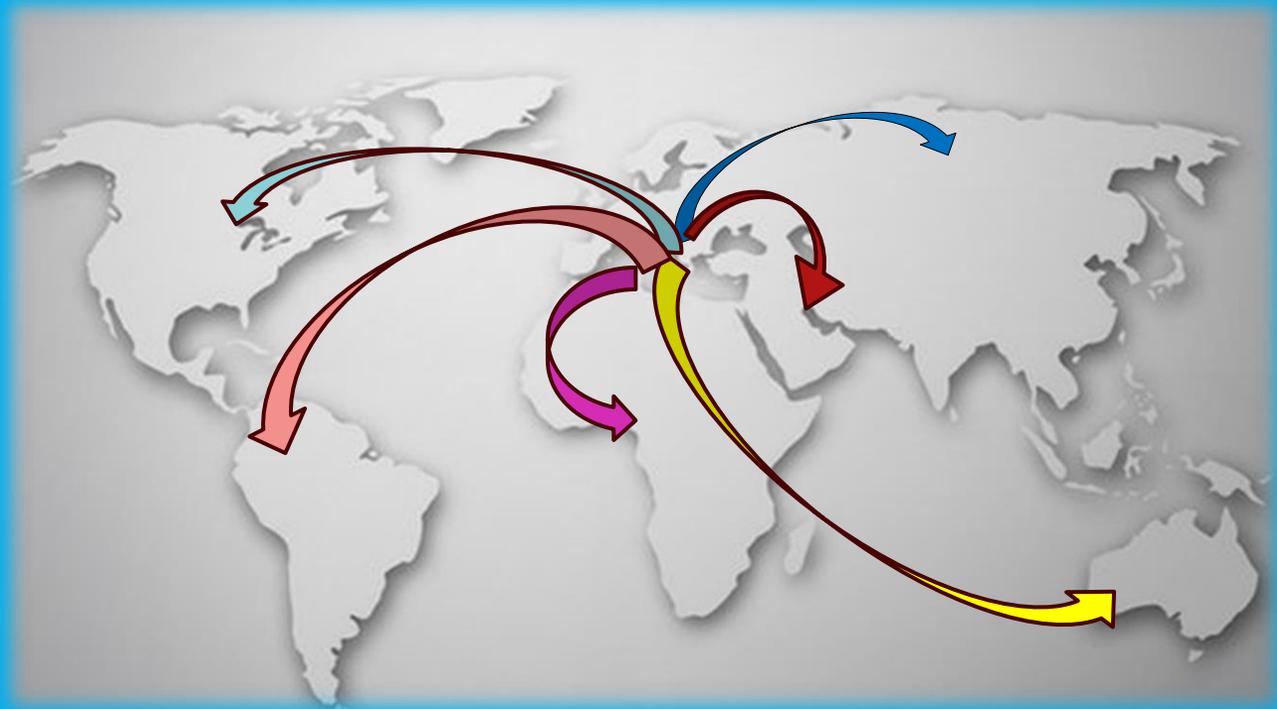
- 52% replaced on Automa machines
- 48% replaced on other brands

- 101 Automa
- 27 Uniloy
- 31 Magic
- 12 Kautex
- 7 Jomar Italia
- 20 on various brands >> Plastiblow, Blowmolding, Techne, Bekum, Fischer Battenfield, Extrusion, Ossberger, Mauser, ST,

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- 44% PLC installed In Italy
- 56% all around the world

37 countries
6 continents





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Starting from 2016, to positively reply to all customer enquiries, our R&D dept began developing a simple replacement of those old style and obsolete PLC, installed on several different brands of blow moulding machines and accumulation heads.

The obsolescence of these systems creates huge difficulties in spare parts availability and in providing adequate technical support to end users.

Our  fully replaces existing and obsolete PLC, HMI, keyboards, cards,..etc

The supply includes also a new electric diagram for the PLC and an User handbook.

Our software is registered at SIAE with registration number D000025982



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INSTALLATION:

We have a staff dedicated only to PLCs replacement, which includes 2 installers and 2 software engineers.

According to the machine complexity and accessories, in approx 8 days Automa By Magic technicians execute the new PLC assembly, training and machine re-start of, together with end-user team.



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TELE-ASSISTANCE:

The new system is always equipped with a Modem-router for remote connection which allows the updating of the control System when a new SW release becomes available.

In case of need, it gives the possibility of an immediate connection and assistance by our SW engineers who can verify the machine status in real time and act on the software if necessary.



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uniko^{2.0} is available on 2 different platforms:



MOOG

Moog -> 85%

B&R

B&R -> 15%



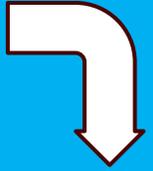
The Rack and software are tailor-made according to machine models and how they are equipped.



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SOME INSTALLATIONS with MOOG platform :

AUTOMA from MOOG BUHL to MOOG MARS 600



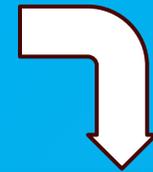
STEP 1: removal of obsolete screen and Keyboard



STEP 2 and 3: internal assembly of new Moog components and assembly of new touch screen HMI and components



STEP 1: removal of obsolete MASTER I/O



STEP 2 : assembly and wiring of new cards and Router for remote tele-assistance



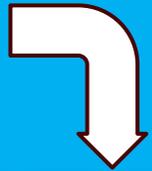


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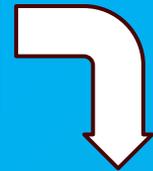
AUTOMA from A³MC to MOOG MARS 600



Existing HMI

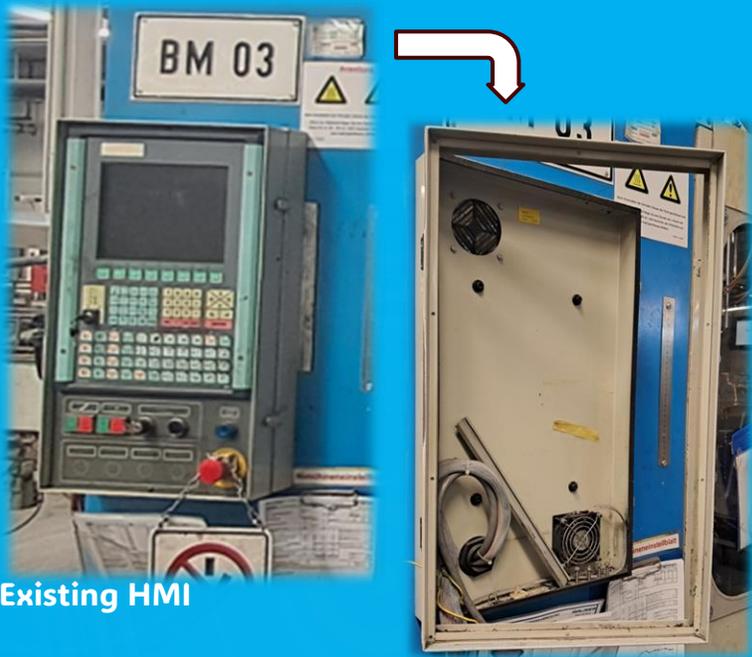


New UNIKO controller interface



UNIKO : NEW CONTROLLER for all brands of blow moulding machines

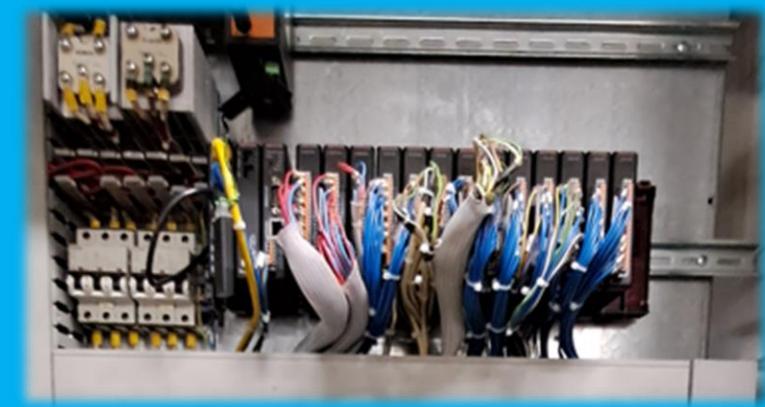
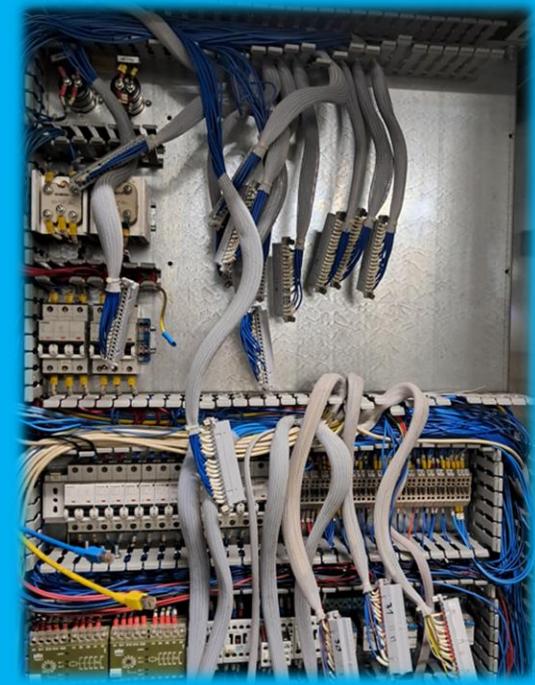
MAGIC MGL machines



Existing HMI



New UNIKO controller interface.



New hardware in the cabinet

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KAUTEX

Existing HMI



New UNIKO controller interface.

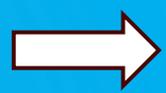


New hardware in the cabinet



UNIKO : NEW CONTROLLER for all brands of blow moulding machines

UNILOY



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UNILOY



Existing HMI



New UNIKO controller interface



New hardware in the cabinet, together with Router for tele-assistance



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MAUSER



Before



After



Before



After



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SOME INSTALLATIONS with **B&R** platform :



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AUTOMA machines
UNIKO **B&R**



New UNIKO controller interface

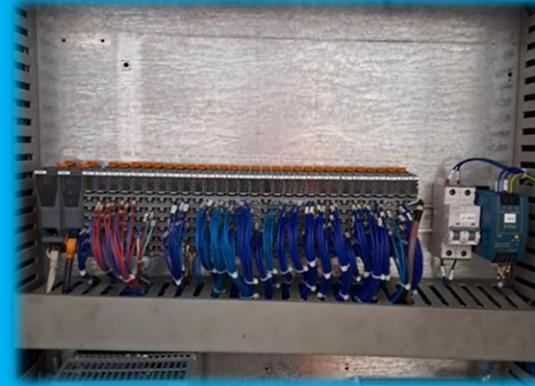
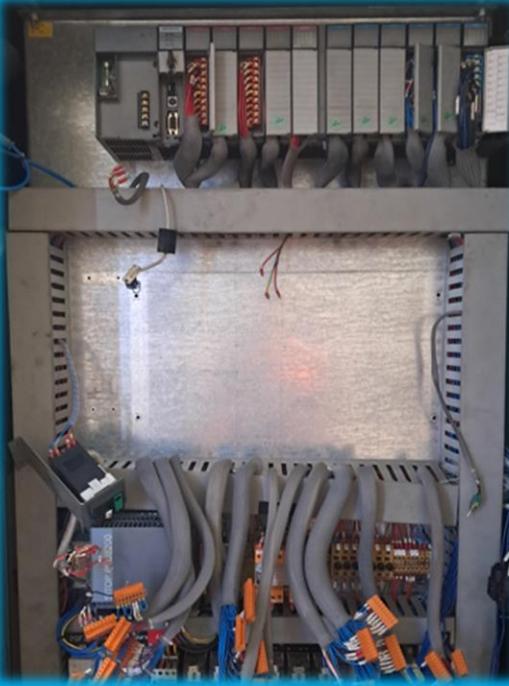


New hardware in the cabinet



UNIKO : NEW CONTROLLER for all brands of blow moulding machines

MAGIC MGL machines
UNIKO **B&R**



New UNIKO controller interface

New hardware in the cabinet



Magic MGL



Automa



Blowmoulding



SIG



Plastiblow

UNIKO : NEW CONTROLLER for all brands of blow moulding machines



Kautex



Battenfeld



Automa Accumulation head

Thanks for your attention

automa

by ^{SPA} **magic** _{MP}
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PER MATCHIE PLASTICHE