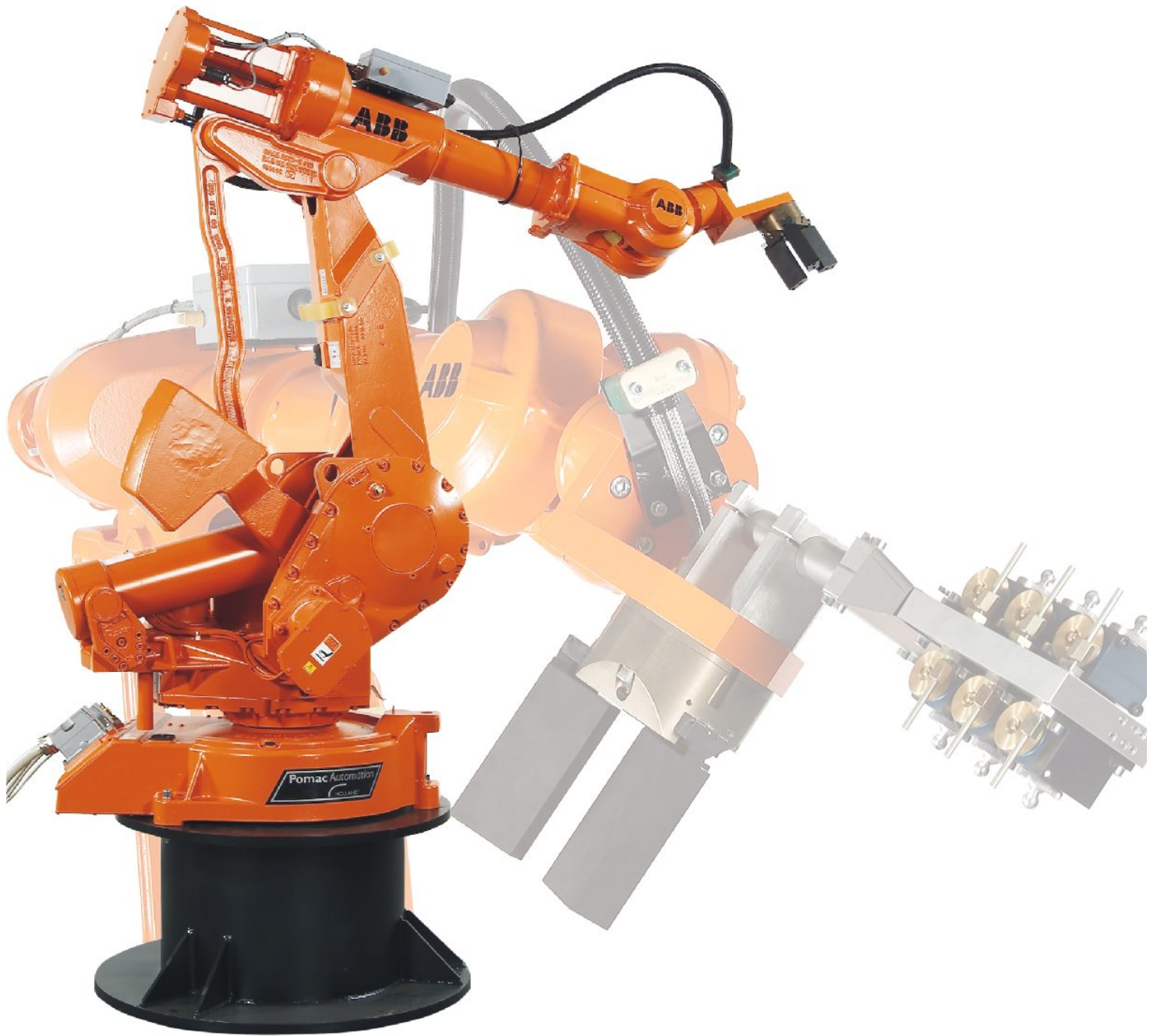


Robotic solutions

for the casting industry

**Complete cell design and integration !
Extraction - Insert loading - Die-spray - Ladling**



Pomac Automation

Robotic solutions

For increased productivity, safety and consistency!

Extraction

- Six axis flexibility to incorporate secondary operations
- User friendly extraction software
- Complete cell design and integration
- Platen tracking

Insert loading

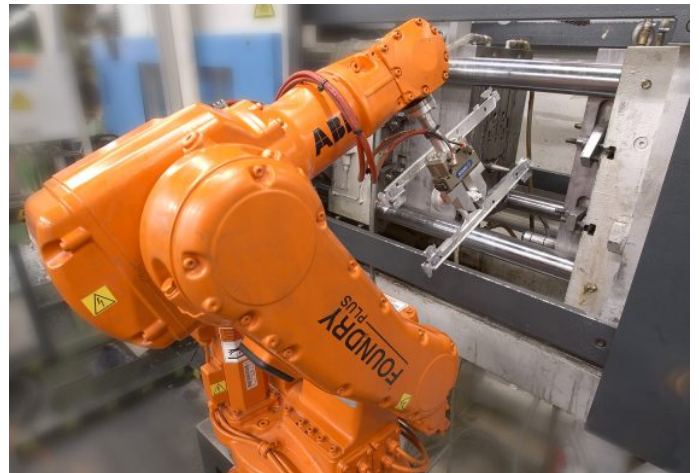
- Six axis flexibility
- Reduced die-open time during insert loading phase
- User friendly insert loading software

Die Spray

- Six axis articulation for complex dies
- Independent control of nozzles
- Proportional control of spray air and lube supply
- User friendly die spray software

Ladling

- Seven or eight axis flexibility for very complex pouring
- Special extra ladling arm for large drawdown
- User friendly ladling software
- High pouring weights up to 80 kg



Applications

Robot Extracting

Pomac Automation offers dedicated robot solutions for extracting castings out of the DCM.

Casting extracting

Six axis flexibility to incorporate secondary operations

User friendly extraction software by Pomac Automation

Complete cell design and integration

Insertloading

Casting check by sensor board

IP67 Foundry plus

Combined solutions for extracting and die spray

Saving time with combined extraction and die- or core spraying

User friendly extraction and spray software by Pomac Automation

Spray nozzles with internal or external mixing

Independent control of spray nozzles

Dedicated manifold design for accurate and fast spray cycle

Robot machine tending

Pomac Automation offers dedicated robot solutions for machine tending.

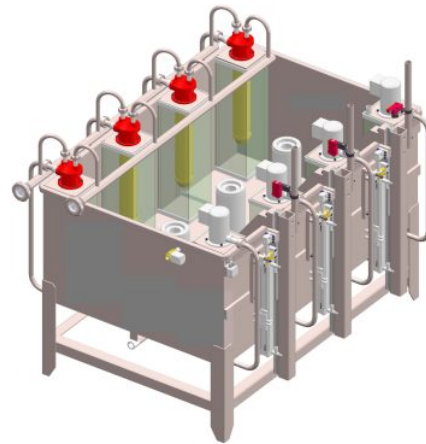
Machine tending

Six axis flexibility to incorporate secondary operations

User friendly software by Pomac Automation

Complete cell design and integration

Cooling systems



The cooling basin is ideally suitable to cool down the cast part immediately after die casting. The two metal filters, which can quickly be cleaned when needed, are operated in the change time. The basin is cooled by a tube heat exchanger, which is attached to the cooling system of the foundry and a circulation pump. A metal filter prevents glitter and casting remainders entering the circulation pump. This concept is a simple and economic solution and supports full cell automation.

Description of the cooling basin

Fully automated cooling basin

PLC control with display over clear text messages

Unit is ready pre-mounted for operation

Simple handling

To the equipment:

2 easy to clean metal filters

1 tube heat exchanger

1 circulation pump

Integrated into the robotic control

Indicate the operating conditions

Pipework system in stainless steel

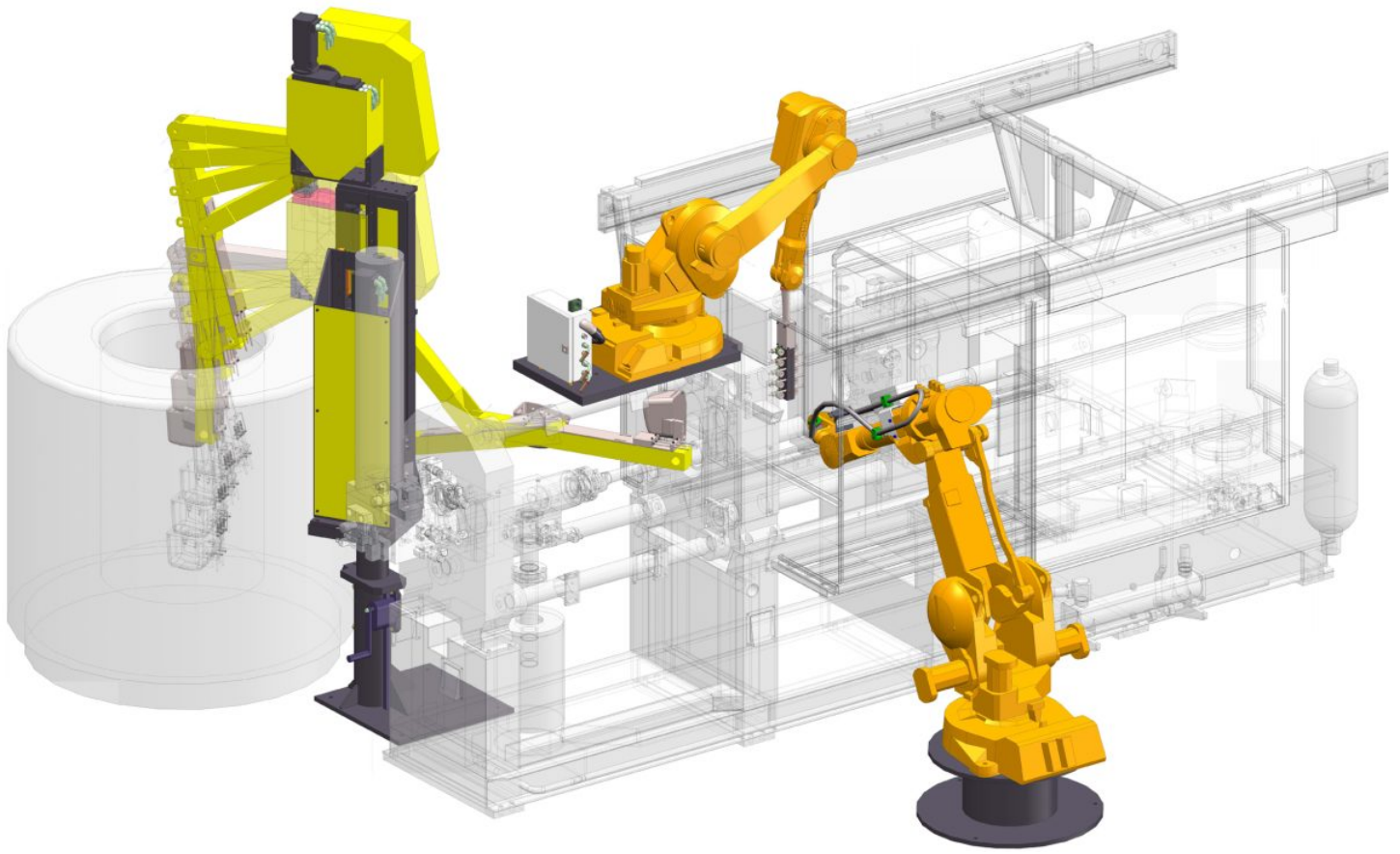
Stainless steel tub with approx. 1,5m³ water contents.

Drain valve, level monitoring in stainless steel



Robotic solutions

Cell integration



Pomac Automation has got more than 30 years of experience in cell integration. The ladlers, sprayers and robots are installed on all types and sizes of die casting- and gravity machines.

Contact us when you need more information about integration of your casting process.



Pomac Automation

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