

Pouring

Pressurized, inductive heated and unheated pouring systems Types OCC/OCU/OCN

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Types OCC – Pressurized heated pouring systems

Available systems

- For iron and copper alloys
- 2.900 – 31.500 kg capacity (related to cast iron, type OCC)
- 130 kW – 800 kW inductor power rating



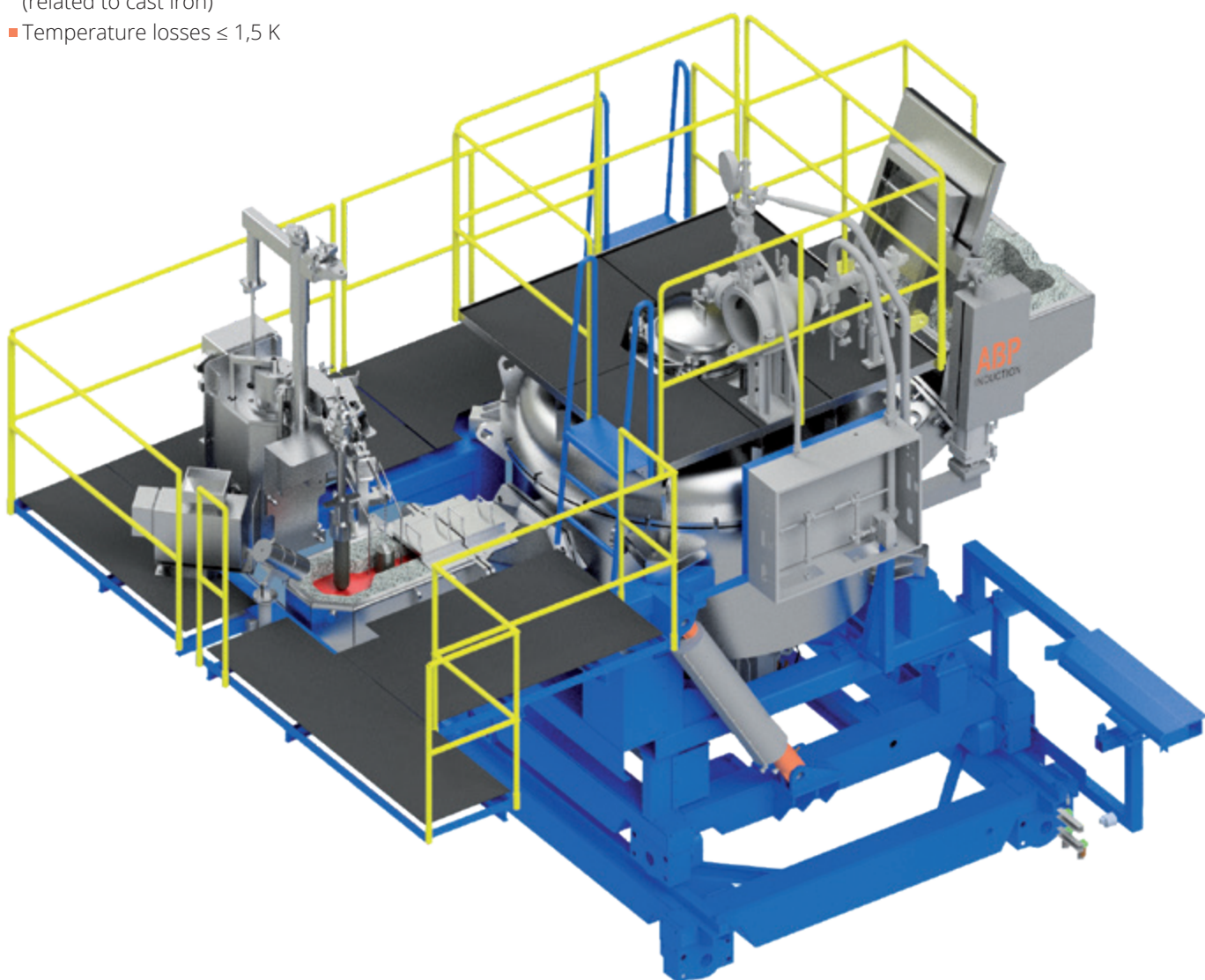
All advantages of types OCC/OCU/OCN at a glance

- For iron, steel and copper alloys
- Slagfree pouring by siphon principle
- Automated pouring
- Easy operation, maintenance and installation
- Double index pouring possible for high throuput with short pouring times
- Constant pouring temperature (OCC, OCN)
- Heat losses $\leq 1,5$ K (OCU)

Types OCU – Pressurized unheated pouring system

Available systems

- For iron and copper alloys
- 2.400 kg – 5.500 kg capacity (related to cast iron)
- Temperature losses $\leq 1,5$ K



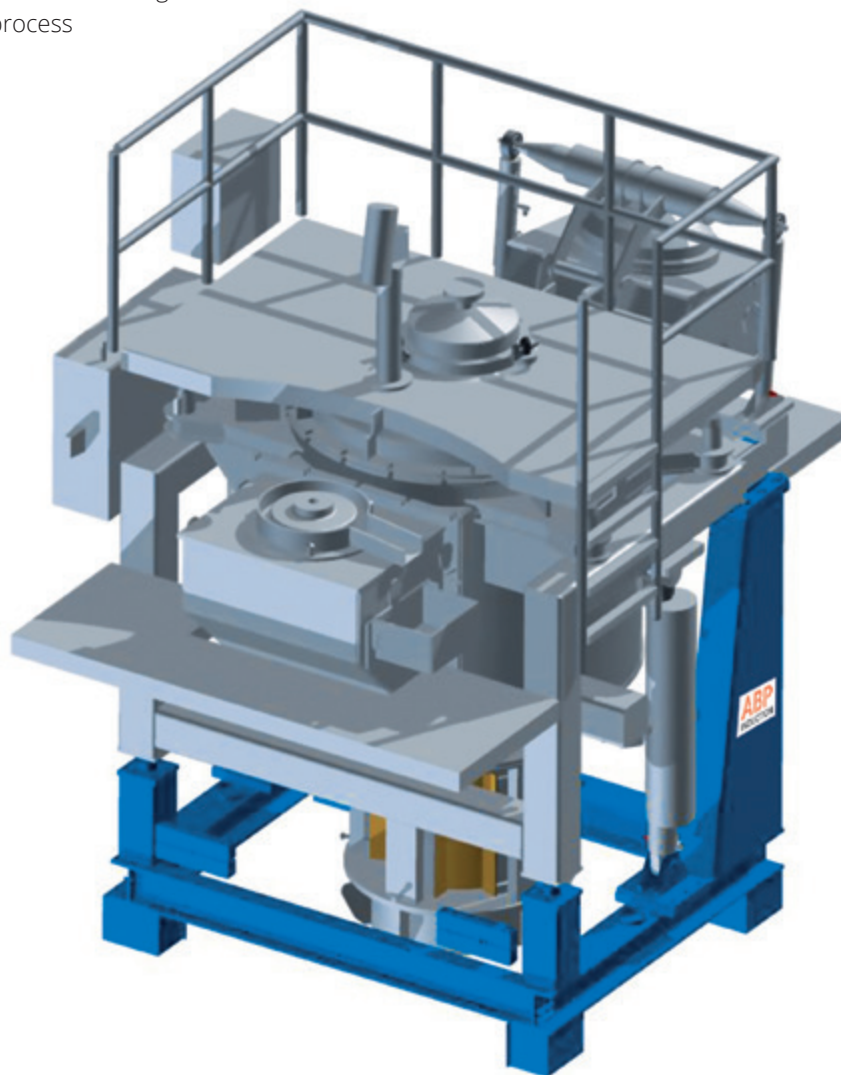
- Quick exchange of the vessel (OCU)
- Low heel for higher flexibility (OCU)
- Highly accessible channels beneficiary for magnesium treated melt

- Minimized heat losses
- Proven line frequency technology, (OCC/OCU) or
- Modern IGBT converter technology (OCN)
- Low-turbulence mold filling

Types OCN – Solutions for thin-walled casting in low-pressure casting

Available systems

- For iron and steel alloys
- 1.000 – 10.000 kg capacity
- 250 – 1.500 kW Crucible inductor
- For efficient filling of molds through the low pressure process



- Low Cycle times by sophisticated interface
- New possibilities in cast steel (OCN): Lightweight casting with reduced wall thicknesses and improved surface qualities

- Increased yield
- Improved quality and reduced returns
- Highest automation and repeatability

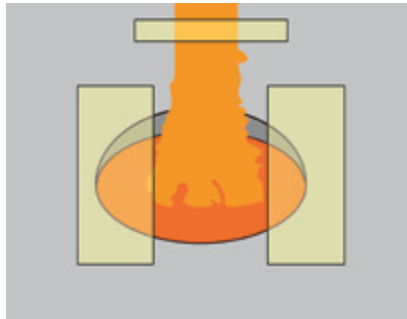
Pouring control system OPTIPOUR®

Teach-In process

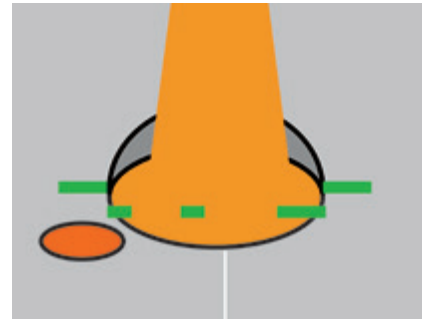
- For constant pouring conditions
- Repetition of stored pouring curves

Pouring control System OPTIPOUR®

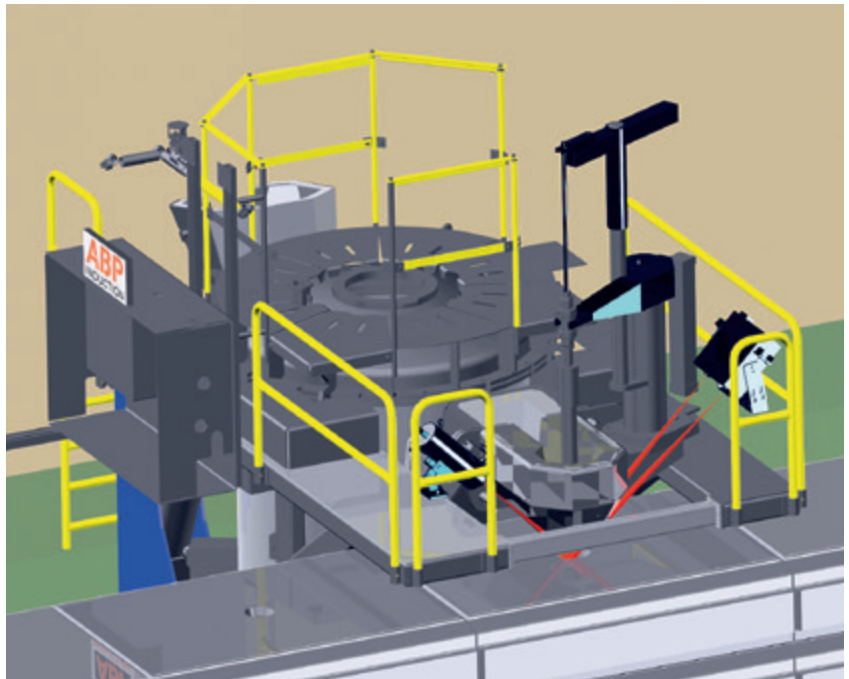
- Closed control circuit
- Available as camera system or line laser system
- Avoids over-pouring
- Saves metal
- Avoids under-pouring of moulds
- Reduced slag inclusions



OPTIPOUR®-Camera



OPTIPOUR®-Linelaser



OPTIPOUR®

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