



VERTICAL CONTINUOUS CASTING PLANT

Semi industrial and experimental direct chill casting machine for vertical continuous casting of Aluminium and Magnesium alloys in open-top or hot-top layout with real time control unit

OUR SERVICES

- Production of customized formats and alloys, also special alloys
- Rolling slabs and extrusion billets
- Process technology for high-quality, near net shape semi-products for direct processing of the semi-finished products (e.g. forging)
- Infrastructure for extended casting tests including peripheral equipment

TECHNICAL DATA

- **manufacturer:** HPI - High Performance Industries
- **furnace capacity:**
~ 100 kg to 1600 kg aluminum
~ 150 kg magnesium
- **maximum cast length:**
Al: approx. 2,500 mm incl. head and base
Mg: approx. 2,000 mm incl. head and base
Single or multi-strand casting possible



- **formats round ingots:**
HotTop: 152 mm to 203 mm (6" to 12")
OpenTop: 70 - 97 - 127 - 145 - 158 - 185 - 255 - 305 - 314 mm
(2,7" to 12,3")
- **rectangular bar formats:**
OpenTop: 430 mm x 140 mm, 780 mm x 250 mm
- **casting speed:** 0 mm/s to 8 mm/s
- **cooling:**
Two cooling systems
maximum power: 13 m³/min

As a subsidiary of AIT LKR Leichtmetall-
kompetenzzentrum Ranshofen GmbH is
pursuing a holistic research and
development approach to lightweight
construction in the vehicle sector - from
new metal alloys and process technology
to material-related structural design.
This makes LKR a powerful and independent partner for
your development projects.



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