

PLPR Robot Automation



The implementation of Precimeter Technology provides many advantages

- Quality improvements
- Increased productivity
- Documentation of the process
- Raw material savings
- Energy savings
- Better use of manpower

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As an alternative to electrode scanning, Precimeter offers a purpose-built proximity probe to allow positioning of the exact operating point of the spoon.

The advantages are:

- No contact with the melt
- Less down time than electrodes
- No robot arm repairs
- No oxide adherence
- No corrosion
- Accurate approach of the point of reference

This contact free measuring probe is made for smaller measuring ranges. The measuring range depends on the diameter of the probe. For the standard probe with a probe diameter of 115 mm, a measuring range of 100 mm is achieved.

A major advantage is remote operation in relation to the melt. The probe should not come into direct contact with liquid metal. For extreme applications in which heavy splashing cannot be ruled out, the probe should be protected with a monolith protection hood.

The probes can withstand up to 800°C and can also be used in closed systems without forced air cooling.

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