

RFID-transponder for identification for extreme system conditions and requirements

Improvement of production and quality by saving energy and time.

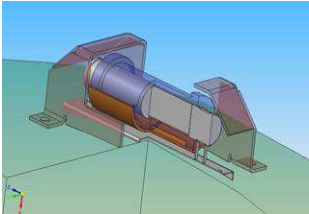
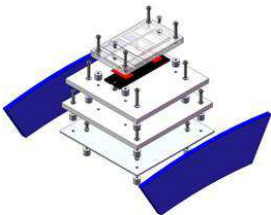
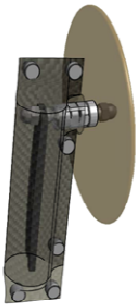
A key contribution hereby is, localizing and identification of alloy materials, scap metal etc. up to the point of liquid transportation.

RFID-Systems are characterised thru some advantage compared to known identification systems:

- **Identification in real-time** even **without** intervisibility (errors in handling are widley impossible)
- Registration of **multiple products at one time** (bulk reading)
- Unauthorized copy or **modifying is not possible**

Even under **extremly difficult conditions**, **sensors** are giving reliable measurement results.

A special developed **softwareapplication** evaluates the results and sends the data to a defined monitoring and controll centre.

	area of use and features / characteristics
	<ul style="list-style-type: none"> • Plant with ambient temperature up to 300°C • Sandblasting systems, cleaning systems • Radio direction adjustment +/-30° • Applicable in extrembly robust and rough surrounding
	<ul style="list-style-type: none"> • Plants with ambient temperature up to 450°C • Holding and transport laddle, in surrounding of liquid metal • Outdoor • Applicable in extrembly robust and rough surrounding
	<ul style="list-style-type: none"> • Plants with ambient temperature up to 250°C • plants, where no optimal alignment is possible, and a lot metal surrounding • surrounding of liquid metal • fork lift – laddle transports, impeller, melting furnace, casting machines, scrapbox, scrapyard • Radio direction adjustment +/-25° • Applicable in extrembly robust and rough surrounding

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