SIDER SISTEM SRL

MEASURING SYSTEMS FOR CONTINUOUS CASTING MACHINES

SIDERALPHA SISTEMI

RDLS

ROLL & WATER SPRAY CHECKER

RDLS is an innovative modular system for CCM strand's segments check.
Its lightweight modules are installed on dummy bar for data acquisition during DB movement operations.

The modular system's versatility allows that up to 6 modules can be placed in the DB Head during the normal introduction without waste of production time, allowing the CCM control when desired.

RDLS modules can acquire roll's gap, alignment and rotation status. Using an additional module, it can also check the water spray efficiency.

FEATURES

- Segment roll's gap, alignment and rotation check
- Secondary cooling system(water spray) efficiency check
- Lightweight module installed on dummy bar
- Top-Bottom or Bottom-Top measure during dummy bar movement
- Quick install/uninstall operation without lifting means
- From 2 to 6 modules installed for up to six lines of measure
- Measure database and measures comparison functions
- Auto calibration
- Wireless and battery powered

TECHNICAL DATA

Operator Interface	Rugged Tablet PC
Communication	Wi-Fi
Roll Gap	+/- 0.02 mm (resolution) +/- 0.1 mm (accuracy)
Roll Alignment	+/- 0.005° (resolution) +/- 0.05° (accuracy)
Roll Rotation	Qualitative indication: From 0% (blocked roll) To 100% (free roll)
Water Spray	Qualitative indication: From 0% (occluded) To 100% (fully functional)
Slab thickness	From 50mm to 300mm
Battery life	6 hours
Environmental IP	IP62
Weight	< 20Kg (single module)

The system can be composed by:

–From 2 to 6 modules for rolls data measurement (every module provides a line of measure for roll gap and alignment)

–An optional water spray check bar

Optionally, modules can be installed on a dedicated shell for permanent installation on dummy bar (In-Chain version).

RDLS OPTIONS & VARIANTS

SPRAY MODULE

THIN SLAB

IN-CHAIN

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