



MEASURING SYSTEMS
FOR CONTINUOUS CASTING MACHINES





RGCBL

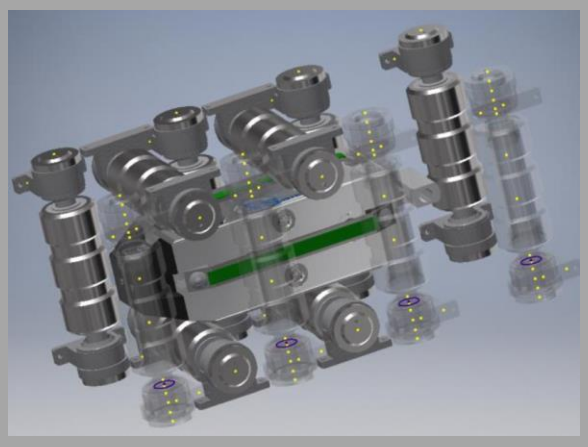
STRAND MONITORING FOR BILLET/BLOOM CCM

RGBL is a CCM strand monitor system. It's installed on dummy bar head and can be configured to measure mould profile, roll gap, roll alignment, roll rotation and efficiency of water spray along the CCM strand. It can operate both on top and bottom feeding CCM.



FEATURES

- Mould profile measurement
- Segment's roll gap measurement
- Segment's roll alignment measurement
- Segment's roll rotation status check
- Secondary cooling system (Water spray) efficiency check
- Lightweight module installed on dummy bar



The module is installed on dummy bar using a custom designed adapted and execute the measurement cycle during the bottom-to-top or top-to-bottom dummy bar movimentation.

TECHNICAL DATA

Supported CCM Types	Top/Bottom Feeding CCM for Billet or Bloom
Measurment Range	Square/Rectangular Billet/Bloom from 200 to 400 mm
Roll Gap	Accuracy +/- 0.05 mm Resolution +/- 0.02 mm
Roll Alignment	Accuracy +/- 0.05° Resolution +/- 0.005°
Roll Rotation	Qualitive indication from 0% (Blocked roll) to 100% (Free roll)
Water Spray Efficiency	Qualitive indication from 0% (Occluded) to 95% (Fully functional)
Operator Interface	Rugged tablet PC
Data Trasmission	WiFi
Battery operative time	6 hours

BENEFITS

- Removal of the quality defects
- Break-out reduction
- Mould life optimization
- Planning of the CCM Stop for mould and segments replacing
- Reduction of the mould overhauling
- Product quality
- Mould life
- Maintenance cost reduction
- CCM Stop reduction
- CCM productivity



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