

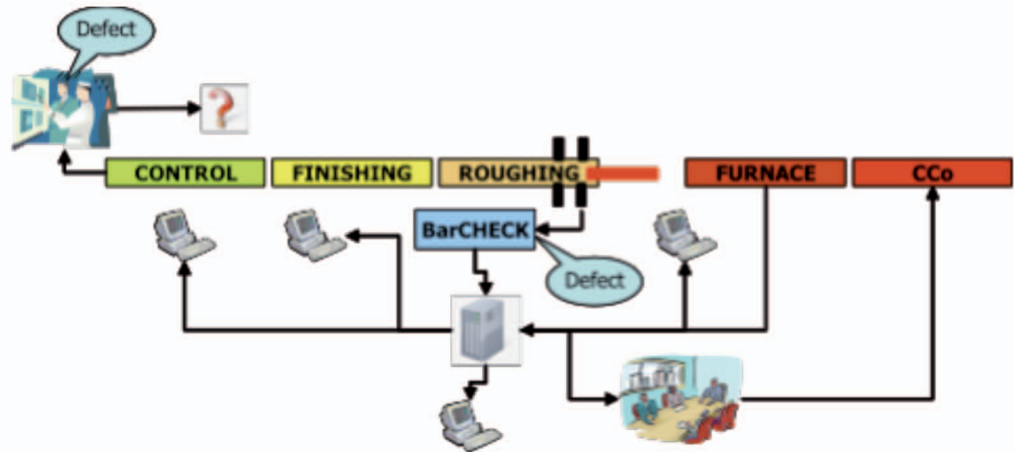


BarCHECK™

Problem:

After Continuous Casting, the billets undergo hot rolling (roughing and finishing mill).

Bars need to be visually inspected during and after rolling in order to check the presence of surface defects.



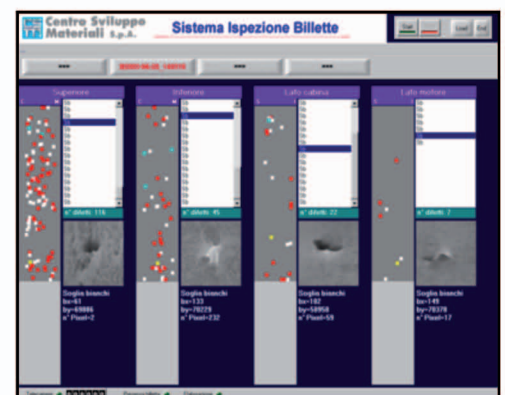
Solutions:

The analysis of thermal differences over the bar during hot rolling allows to automatically highlight defective areas.



Benefits:

- Crack & subsurface defect detection
- 100% automatic product inspection
- Early warning of defective bars
- Operator inspects only defective bars
- Possibility of on-time feedback to CCo operative practices
- Full report with each bar defect images
- Possibility of several reports viewing & management client stations

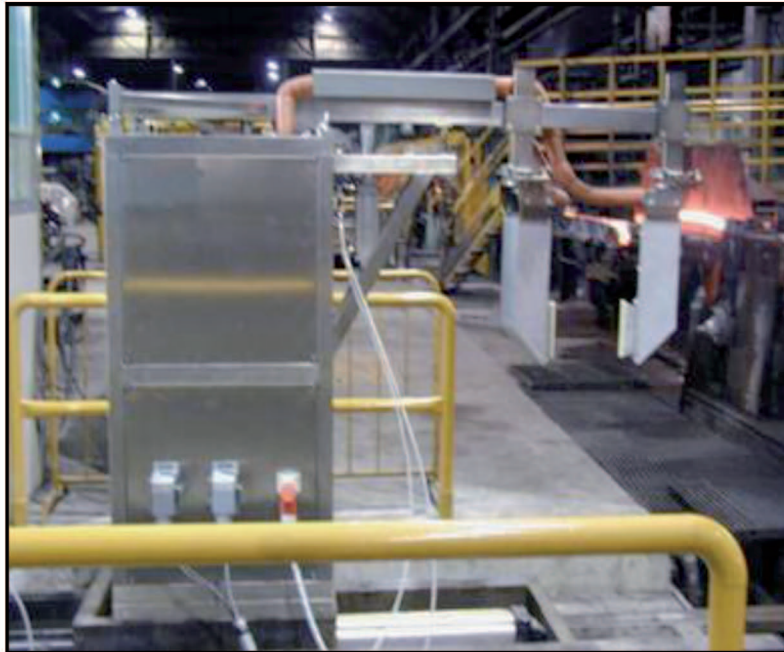







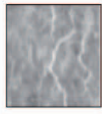
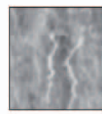
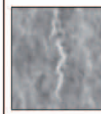
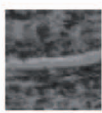


BarCHECK™

Industrial equipment arrangement:

- Robust case with easy maintenance design
- Custom arrangement to suit existing lay-out of roughing mill



BarCHECK™ can include Q-PRO² for data storage and mining, allowing off-line review of process conditions conducting to defect appearance.

Edge cracks			
Face cracks			
Face cracks			

contact:
Centro Sviluppo Materiali SpA
www.c-s-m.it
marketing.steel@c-s-m.it