



stripFlat

Problem:

Flatness measurement represents an important information useful for product quality control and as effectiveness and compliance control element of production process.

In treatment and finishing lines these aspects have assumed particular importance, requiring specific reliable measuring systems

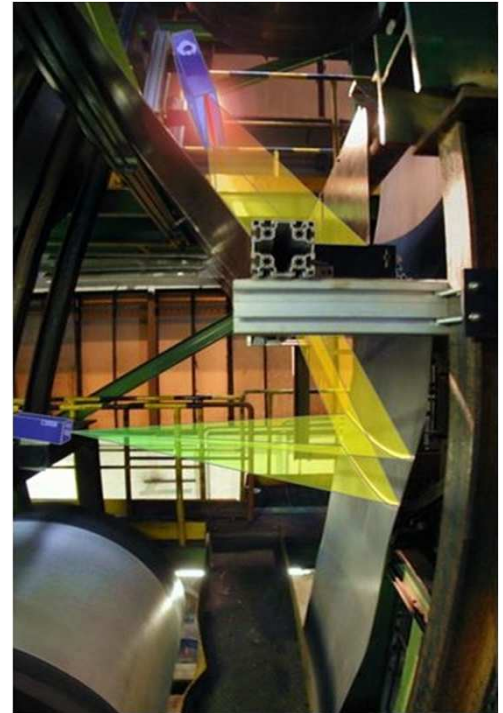
Solution:

stripFlat is a a new technology to optically detect the flatness of a strip.

Thanks to its innovative approach, stripFlat directly assess fibers stretch, thus avoiding any influence from edge displacements and/or vibrations.

An image acquisition and computing system with proprietary algorithm processes camera images, computes fibers relative elongations, assesses flatness indexes (IU) and produces trend reports.

Built in network communications tools are fully configurable.



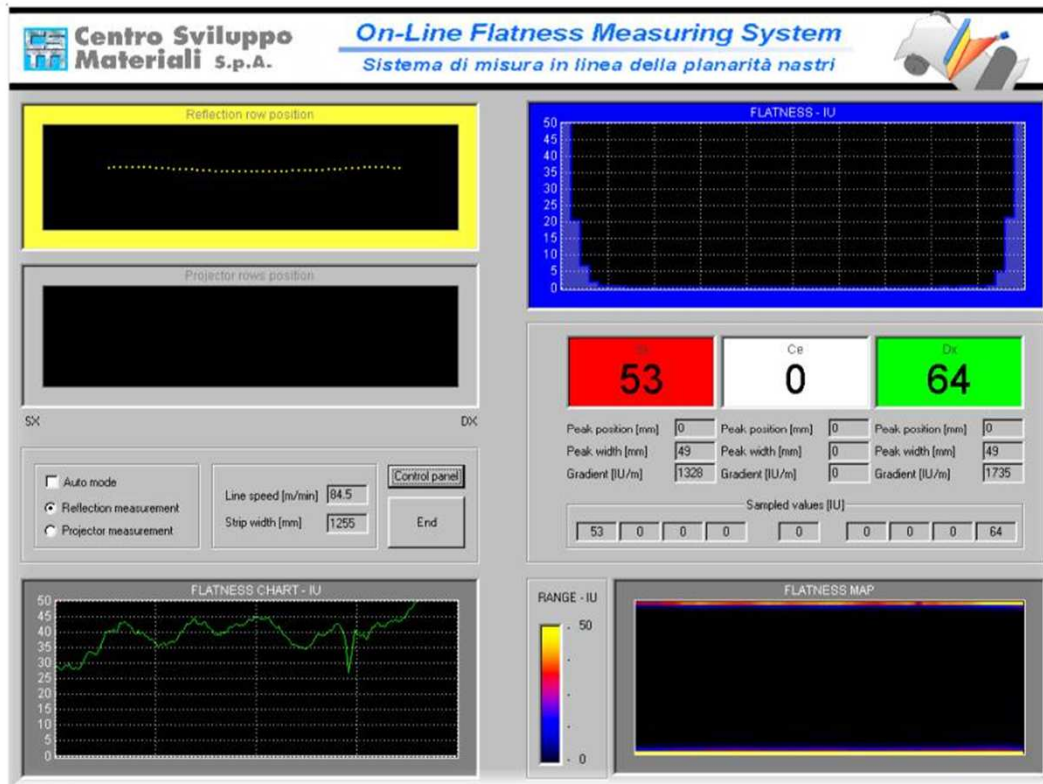
Benefits:

- A robust on-line device to qualify the production.
- A real help for identifying possible origin of defects.
 - Reduction of sampling and analysing costs.
 - Line speed up to 500m/min.
 - Strip width up to 5000mm.

Industrial Arrangement:

stripFlat is robustly installed along the line.

stripFlat includes HW and tailor made SW for storage and data mining.



Two arrangements are available:

- for matt surfaces (i.e. hot rolled steel)
- for bright surfaces (i.e. cold rolled steel).

In case of mixed production both solutions can work at the same time.