


www.elletre.com

STEFANO TOSCHI - GRAPHIC DESIGN

automation

ELLE TRE s.r.l. Via del Commercio, 15 36050 Sovizzo (VI) | Tel. +39 0444 376277 | Fax +39 0444 551443 

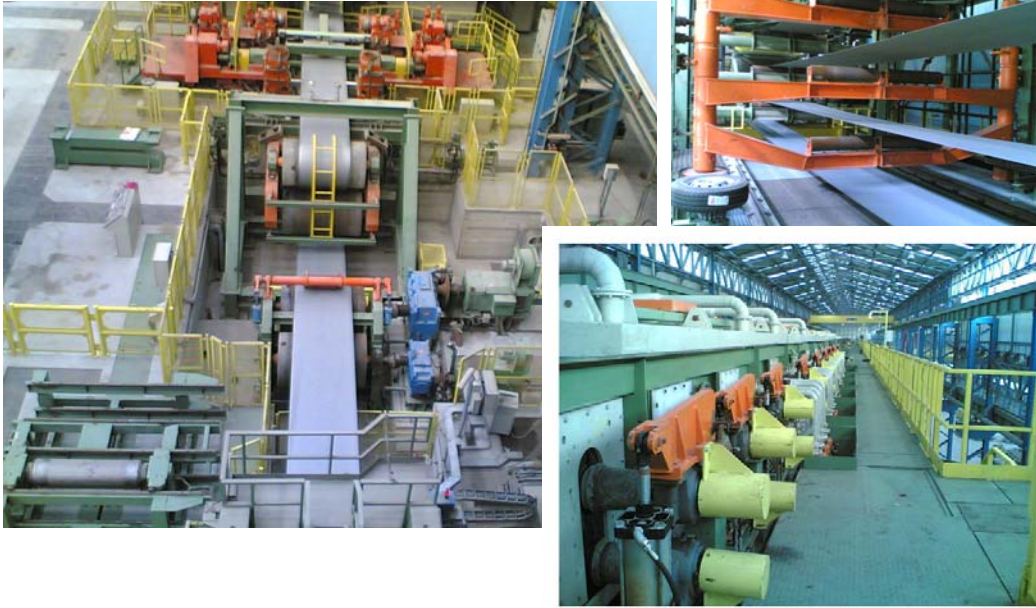
CCPL

Complete control of
Coil Continuous Pickling Lines

20
1988 - 2008

Turn-Key control for Coil Continuous Picking Lines

Complete automation systems for brand-new plants or electrical modernization of existing systems, with the supply or replacement of power switchboard, control desks, regulation & supervision software and field wirings.



Utilization of primary brands **hardware components** available on the market and selected in accordance with the User's country standards.

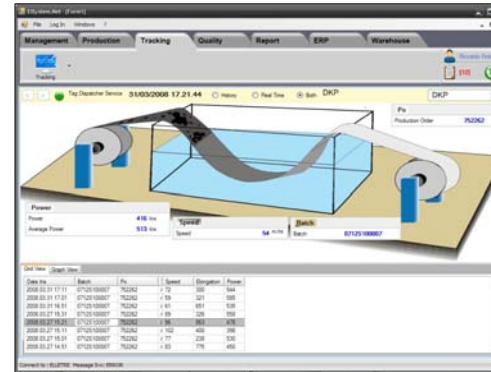
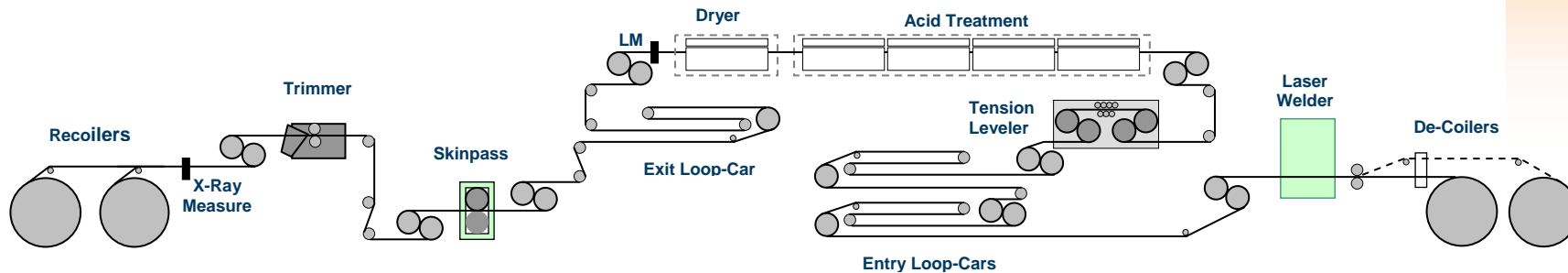
Realization of state-of-the-art **PLC software** to control the plant process with the use of customized algorithms. Design of PLC software to manage sequences and cycles tailored on the User habits to fully meet the Customer needs.

Field Wiring structured with concentration into PLC remote I/O units.

Use of a particular **Control Algorithm** that permits modulation of the line speed during the entry phase of the infeed conveyor.

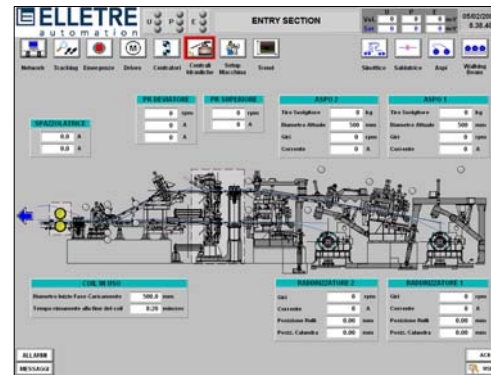
Measurement of the thickness of the trimmer's outfeed conveyor using an **X-ray thickness gauge**.

Measurement of the width of the conveyor that exits from the process using an **Optical device (LM)**.



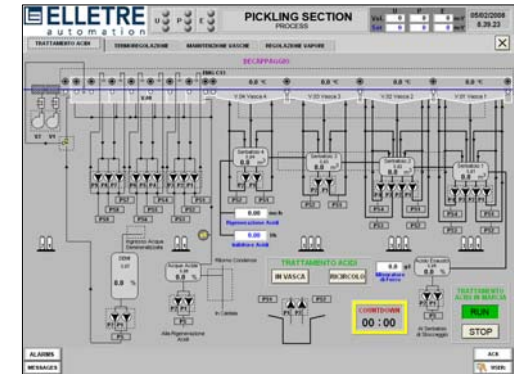
LEVEL 2

Human Machine Interface with customized mimic diagrams and guided trouble-shooting of the entire plant failures.



LEVEL 3

MES - Direct connection with ERP - Enterprise Resource Planning system to extract production orders and to send production reports.



LIVELLO 1

Automation with digital control (master reference, servo-diameters, PID, etc.) with process parameters regulations.

FDA

Fast data acquisition system with events recording for the historical analysis and statistics.

