PantoCheck
Automatic video inspection system for Pantographs

Other examples

Extraneous object on pantograph

Left pantograph horn damaged

good

damaged

3D reconstruction

PantoCheck Measurements

- pantograph shape
- pantograph integrity
- pantograph geometry
- pantograph horns
- missing parts of carbon
- carbon strips wear
- pantograph thrust
- wire uplift
- wire tension
- wire voltage
- wind direction and speed
- pantograph temperature

Automatic control of Pantographs
High speed

Qualified by RATP
Paris Metro

Via delle Nazioni, 3/5/7 - 44123 Ferrara - Italy - Tel. +39 0532 09.72.09
www.selectravision.com - info@selectravision.com
The complete solution for checking pantographs

**Working modes**
- **Cameras:**
  - high resolution
  - high speed
  - multiple cameras

- **Lightning:**
  - day and night acquisition

- **Laser Scanners:**
  - 3D reconstruction
  - high accuracy

**Examples**
- Measurement of carbon strips wear
- Damages on pantograph

**Software:**
- Computer vision image processing for automatic detection

Real example of train with 6 pantos. The computer shows in real time the 3 different views of each pantograph: frontal, rear and lateral view.