

# Strip breaks reduced by 75 %, availability increased by 1 %



“The team approach employed by Corus and Parsytec enabled us to meet our deadlines and achieve quantifiable process improvements – 75 % reduction in coating line strip breaks attributable to edge defects – with no disruption to normal mill operation.”

Mike Churm,  
Manufacturing Manager  
Secondary Rolling



## Parsytec’s value creation at Corus Packaging Plus (CPP) Trostre DR Mill

- ▶ Short payback period due to rapid production usage
- ▶ Decision making changed from subjective to objective
- ▶ Efficiency increased by 75 % reduction of strip breaks

### Challenges at CPP Trostre Works Double Reduction Mill

Edge cracks which were created by the Trostre Double Reduction Mill caused strip breaks at the subsequent coating lines. Mike Churm, Manufacturing Manager Secondary Rolling, comments: “With increasing internal demands, the requirements for split edge detection evolved into a surface inspection system with the room to grow the capabilities.”

### Short payback period due to rapid production usage

Parsytec’s state-of-the-art inspection solution – espresso by Parsytec – benefits from the experience of more than 120 installations worldwide. This knowledge continuously shapes Parsytec’s technology as well as its implementation services: With DriveCycle™ 2.1, Parsytec is the world’s only surface inspection supplier offering a standardized methodology for surface inspection commissioning. This ensures a rapid production usage, which leads to a short payback period. Mike Churm: “The professionalism of the entire Parsytec team helped us to commission the inspection system without disruption to the normal mill operation. Even better: It took only 13 weeks from installation to final acceptance.”

## Project Data

### The Production Line

- Double Reduction Mill, CPP Trostre Works
- Max. inspection width: 1,250 mm
- Max. inspection speed: 1,700 mpm

### The Inspection System

- espresso by Parsytec
- InstantClassifier™
- Automatic Classifier Build Environment
- Control Panel
- ODIS

### Installation Process

- Oct. 2003: Order Entry
- Dec. 2003: Installation
- Jan. 2004: Start commissioning
- Mar. 2004: Final acceptance



**Mike Churm,**  
Manufacturing Manager  
Secondary Rolling

## Why Parsytec?

Installed more than 120 times worldwide, the Parsytec solution – espresso by Parsytec – is the by far most applied surface inspection product worldwide. The resulting unmatched wealth of experience enables Parsytec to continuously push the limits of surface inspection by realizing new value propositions for its customers. The extent and depth of industry knowledge was a key reason behind Corus Packaging Plus Trostre DR Mill's decision to choose Parsytec. Mick Churm explains: "From the experiences of our colleagues at both CPP Trostre ETL5 and Pickling, it was clear that Parsytec is the only choice in surface inspection – and in the resulting overall quality improvement."

## Decision making changed from subjective to objective

With the Parsytec solution, CPP Trostre DR Mill receives a comprehensive and reliable view on their produced quality. Quality criteria, which were only assessed before, now get precisely monitored. As such, the surface inspection solution improved the basis of central quality- and efficiency-related decisions. Mike Churm: "Previous decision making was subjective, now it is objective."

Moreover, the reliable detection and classification of defects like edge cracks, which directly impact the efficiency at the subsequent lines, created a high initial confidence in the Parsytec solution. This helped to further streamline the decision process, and to become more pro-active. Mike Churm explains: "The mill operators use the Parsytec system primarily along with the mill performance improvement team. The operators now actively use it for other defects on their own initiative!"

## Efficiency increased by 75 % reduction of strip breaks

The internal efficiency of the CPP Trostre DR Mill is measured by the "Right First Time" performance. By applying the Parsytec solution, this benchmark could get increased by far, because precautionary re-routings of suspected material to inspection lines are no longer necessary. Mike Churm summarizes: "Any diversions can get quantified as required: this makes the Trostre DR Mill operations more accurate. With fewer shipments to the inspection line, our 'Right First Time' performance has been increasing. However, the efficiency gains after implementing the Parsytec solution can also get measured with additional benchmarks: There has been a 75 % reduction in strip breaks since the project was put into production use. This increased the availability of the coating lines by 1 %."

## espresso by Parsytec

- The InstantClassifier™ guarantees fastest implementation with classification according to Parsytec's defect catalog. Only mill specific defects need to be added.
- Operator Display Software ODIS with numerous report functions supporting fast coil reviews and quality decisions.
- Parsytec DriveCycle™ 2.1 is the world's only standardized methodology for surface inspection system commissioning and ensures shortest implementation times.
- The defect recognition software is entirely geared to reflect material specific settings together with an outstanding set of advanced recognition methods.