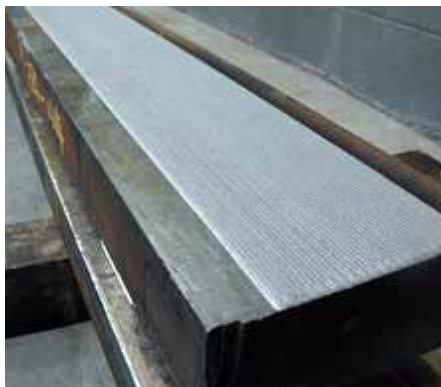


CASE STUDY



Conveyor Guide Panels | LaserClad®



The Challenge

Guide panels are located on both sides of a drag chain conveyor that feeds material into a chute. This mining customer was looking for long lasting solutions on the different components of the conveyor to increase the overall performance of this equipment. In the case of the guide panels, these parts were subject to heat, abrasion & friction. The main challenge to perform any maintenance on them was the minimal clearance between the conveyor chain/paddles and the guide panels.

The Solution

The **LaserClad** process was selected due to application-specific limitations such as tolerances. With this, our team has managed to apply 1/32"-1/16" of cladding material on both faces of the guide panels, leaving enough room for the chain and paddle. Castolin Eutectic's proprietary XHD powder was selected for surface protection based on its high deposition characteristics. The customer has also decided to use our CCO liners (CDP® OptiMax) to increase the performance of the conveyor.

The Outcome

After a successful installation, the parts have been in service for over a year, to this date, showing minimum sign of wear. Our wear management team has been asked to come on-site to help the customer with other wear problems.

- Unique technology with highly precise deposition
- Best-in-class laser cladding materials and services
- Global service network | Local support throughout North America



Eco-friendly
Solution



Turnkey
Offerings



Global
Support

Pioneering Industrial Sustainability



Pioneering Industrial Sustainability



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