

Online surface inspection

Hall 9, Stand 9C35 - AMETEK Surface Vision, a world leader in automated online surface inspection solutions, will showcase its online surface inspection and monitoring systems, as part of the Quality Alliance, at ALUMINIUM 2018. Celebrating its 20th year of successful, global use, AMETEK Surface Vision's SmartView® surface inspection system continues to deliver a high-performance, highly customisable solution that automatically detects, classifies and visualises metal defects, for a wide range of aluminium applications including the scalper, hot mill, cold rolling mill, annealing line, coating line and slitter.



AMETEK Surface Vision welcomes enquiries at ALUMINIUM 2018.

Developed in partnership with Surface Vision's customers, SmartView® has become one of the most trusted and valued automatic surface inspection solutions for the metals industry. Improving quality, increasing productivity and delivering a certified defect-free product, it is cost-effective and easy to implement. It combines powerful software with line-scanning camera technology and industry-leading application engineering. "Aluminium producers are looking to minimise defects and waste and to continuously produce defect-free product," comments Jason Zyglis, Divisional Vice President of

Project and Product Management at AMETEK Surface Vision.

Visitors also will have an opportunity to learn more about AMETEK Surface Vision's new edge cross-section monitoring system, SmartAdvisor® Edge for Metals. It enables trimmed material edges in a metal processing line to be continuously monitored to detect anomalies, such as cut-to-break ratios and burrs. SmartAdvisor® Edge for Metals magnifies, captures and stores high-resolution images at full production speed, providing a continuous smooth video stream. This allows the operator to detect subtle changes in the cut edge and provides the ability to pause and scroll back through the images at any time.

www.ameteksurfacevision.com

Anodising and painting



Hall 12, Stand 12G08 - Cisart, anodising and powder coating plants installed since 1973 are running successfully not only in Italy but also in several other countries all over the world, supplying quality products for demanding customers operating in aircraft, automotive, architectural and other industrial markets. Besides equipment, Cisart's products range includes full automation, efficient resource management, customised engineering, installation, training and an efficient after-sales service comprehensive also of online monitoring, when required.



Fully automated vertical anodising plant for architectural profiles with online additional powder coating facilities.

As well as many standard plants, distinctive installations supplied by Cisart include:

- The first ever made combined vertical anodising and powder coating plant, established in Turkey earlier this century, capable of

supplying anodic coats up to 25 microns on a regular basis as well as flash anodising

- A horizontal anodising plant for large profiles up to 15 m long recently handed over to Talex in the United Arab Emirates
- The first patented Compact powder coating line for architectural profiles.

www.cisartgroup.com

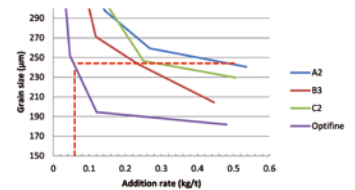
Innovative casthouse solutions



Hall 11, Stand 11G31 - MQP, is a UK based company operating on a worldwide basis. Its mission is to provide products to the Aluminium Industry that improve quality, increase production efficiency, reduce costs and minimise environmental impact. Innovation and excellence is fundamental to MQP's way of thinking and this is reflected in its range of products.

At ALUMINIUM 2018 MQP will be highlighting the following products on its Stand:

- **Optifine** - high performance, industry proven, grain refiner that allows standard TiBAl to be replaced at up to 80% lower addition rates (see graph). Successful grain refinement is achieved without the addition of unwanted borides.
- **Opticast** - unique grain refinement optimisation system used in conjunction with Optifine at customer casthouses. A fully operational system complete with electrolytic polishing and anodising of samples will be demonstrated on the Stand.
- **Optifilter** - three chamber, in-line, filter unit incorporating ceramic foam, grain refiner and efficient cyclone. Ideal for casthouses with frequent alloy changes or low volume operations. A full-size industrial trial unit will



Optifine achieves the required grain refinement (dotted line) at much lower addition rates (red plot) than standard grain refiner (blue plot).



A three stage Optifilter unit.

be on show and information on modelling work being carried out for MQP at Brunel University will be available.

- **Batchpilot** - innovative, casthouse proven, automated system for measuring transfer and furnace metal weight installed in several casthouses worldwide. An operational video will be shown on the Stand
- **Refinal** - a range of cost effective, environmentally friendly, fused fluxes for reducing alkali metals and inclusions. New and improved aluminium product packaging will be shown.

www.mqpltd.com

Casthouse supply expertise



Gautschi casting moulds.

Hall 10, Stand 10E15 - Gautschi Engineering GmbH, a member of the EBNER group, has served the Aluminium Industry for several decades in the field of casthouse equipment and is one of very few engineering companies worldwide

who can furnish a complete casthouse. Saying this implies, that Gautschi is a leading supplier of liquid metal furnaces, different kinds of casting machines as well as heat treatment equipment.

- The Gautschi product range includes:
- Melting and holding furnaces
 - Vertical D.C. Casters for rolling slab and extrusion billets
 - Compact coil furnace (Single coil annealing furnaces)
 - Pusher-type furnaces for rolling slab
 - Pit type furnaces for rolling slabs
 - Homogenising furnaces for extrusion billet
 - Multiple chamber furnaces for foil annealing
 - Open mould ingot casting and stacking plants
 - AIR GLIDE® and AIRSOL VEIL® mould technology.

www.gautschi.cc