

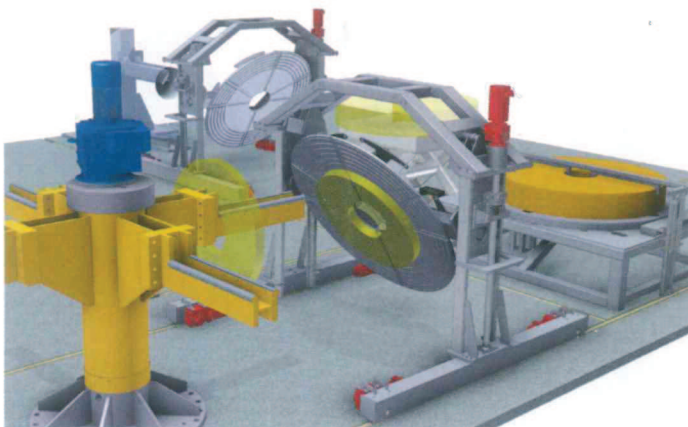
hpl-Neugnadenfelder Maschinenfabrik GmbH

Hall 3, Stand F54 – The new handling system “Coil-Hover” is presented by hpl-Neugnadenfelder for the first time at Metec 2015. It simplifies and accelerates the handling of split rings. Since only a vacuum or magnetic forces are applied to the split rings, their transport from the turnstile to the storage area bears practically no risk of damage to the material. The largely automated operation also reduces personnel costs, as only one person operates the complete machine.

The Coil-Hover largely automates the separation of coils and their take over from the turnstile as well as their tilting, strapping and further transport to the storage area. The core of the new system is a swivelling

table on slides, superseding the use of a commonly used crane. The Coil-Hover avoids any damages of the strip edges or surface, because the coils do not get in contact with a crane hook and do not run on rollers. The system is designed to handle coils with an outer diameter of up to 2,000 mm and a width of up to 300 mm. It can be used for almost any kind of ferrous and non-ferrous metals. Ferromagnetic strips are held on the swivelling table by electro permanent magnets. For handling non-ferromagnetic strips, the swivelling table is equipped with an aluminium suction plate with several suction rings holding the split ring securely in place.

www.hpl-group.de



The core of the new system is a swivelling table on slides on which the split rings are transported to the strapping table.

BLOOM ENGINEERING (EUROPA) GmbH

Bloomengineering
GLOBAL ENERGY AND ENVIRONMENTAL SOLUTIONS

Hall 9, Stand F22 – Bloom Engineering is one of the worldwide leading manufacturers of industrial burners and combustion systems with a 70 year history. Founded in the U.S. in 1934, Bloom is specialised in burners for the high temperature range with worldwide distinguished Low NOx technology and reduced emissions of CO₂ for the steel and aluminium industries. Worth special mention are its regenerative burners, which are not only environment-friendly due to most advanced technology, but which also facilitate an increase in production. They guarantee stable combustion behaviour and have an excellent turndown range. The product range also includes cold air and warm air burners with high heat capacity and pollutant reduced NOx emission for different application areas of the steel, aluminium and waste

industries, as well as flare systems for low calorific gas. All burners are designed for a minimal emission of pollutants but also with maximum capacity and durability. Before delivery the products are tested extensively in-house to guarantee a smoothly running assembly and perfect functionality. Due to reduced energy consumption and low shut down times the systems amortise very fast.

A Bloom speciality is bespoke optimisation of furnace plants and the rebuilding of existing combustion systems to recuperative or regenerative heating. With more than 200 experienced technicians and staff stationed worldwide, customer proximity and international exchange of experiences guarantee efficient problem solving and a fast and qualified service.

www.bloomeng.de

Atherm S.A.



A heater with mobile station used during maintenance means 2 hours are gained per furnace monthly.

Hall 10, Stand A73 – Atherm is attentive to the specific needs of its customers and tries to meet their expectations. To this respect it recently faced a challenge. How to go about maintaining aluminium temperature during maintenance operations? The customer has 28 vault furnaces of 45 kW each, with corundum. At each maintenance, twice per month, they lose 4 hours of production per furnace while reheating the aluminium from 630°C up to 665°C.

Atherm proposed a mobile station “Heat Pack” piloting a 12.5 kW heater. This mobile station comprises a small control board on a trolley, dimensioned to pilot one immersion heater powered up to 15 kW. There are 2 different electric immersion heaters: according to the size of furnace they can use either a heater of diameter 32mm with a heating length of 250 mm for 8 kW, or a heater of diameter 55 mm with a heating length of 200 mm for 12.5 kW. The result is very positive, and they gain 1 hour of maintenance on each furnace 2 times a month, totalling 56 hours of production monthly. To meet your need, any heater diameter, heating length and power up to 15 kW are possible. Should you require more power, Atherm will design for you the corresponding solution.

www.atherm.com

SECO/WARWICK Europe Sp. z.o.o.



Hall 9, Stand C26 – SECO/WARWICK continues to enjoy another outstanding year with number of great orders and latest technologies development. The Aluminium Process Team is proud of their achievements. After numerous drop-bottom furnaces were commissioned and significant improvements were implemented, this equipment became a top product in the portfolio. In order to emphasise the product catchiness, SECO/WARWICK registered drop-bottom furnace under the new brand name VertiQuench®. The name describes the process of very fast vertical quenching. The heat treated material is being dropped into the quenching tank placed exactly under

the furnace. This is an affordable solution for demanding aerospace applications that provides:

- AMS2750 compliant quench transfer times
- extremely tight temperature uniformity resulting from proprietary and proven airflow innovations
- fast and full load immersion even up to 5 seconds
- compact design enabling line expansion
- low utilities consumption.

SECO/WARWICK latest commissioning of VertiQuench® furnace for the aerospace industry confirms utilities consumption reduction and significant improvement of furnace parameters. They will keep on working with their R&D team on new advanced technologies.

www.secowarwick.com



SECO/WARWICK drop bottom furnace.