STEEL INDUSTRY

Pension dispute threatens deal for Tata Steel in the UK

E-LEARNING

How clear cut is the link between E-Learning and Industry 4.0?

MACHINE LEARNING

Beneficial technology or a threat to the status quo?

ANALYSIS & TESTING

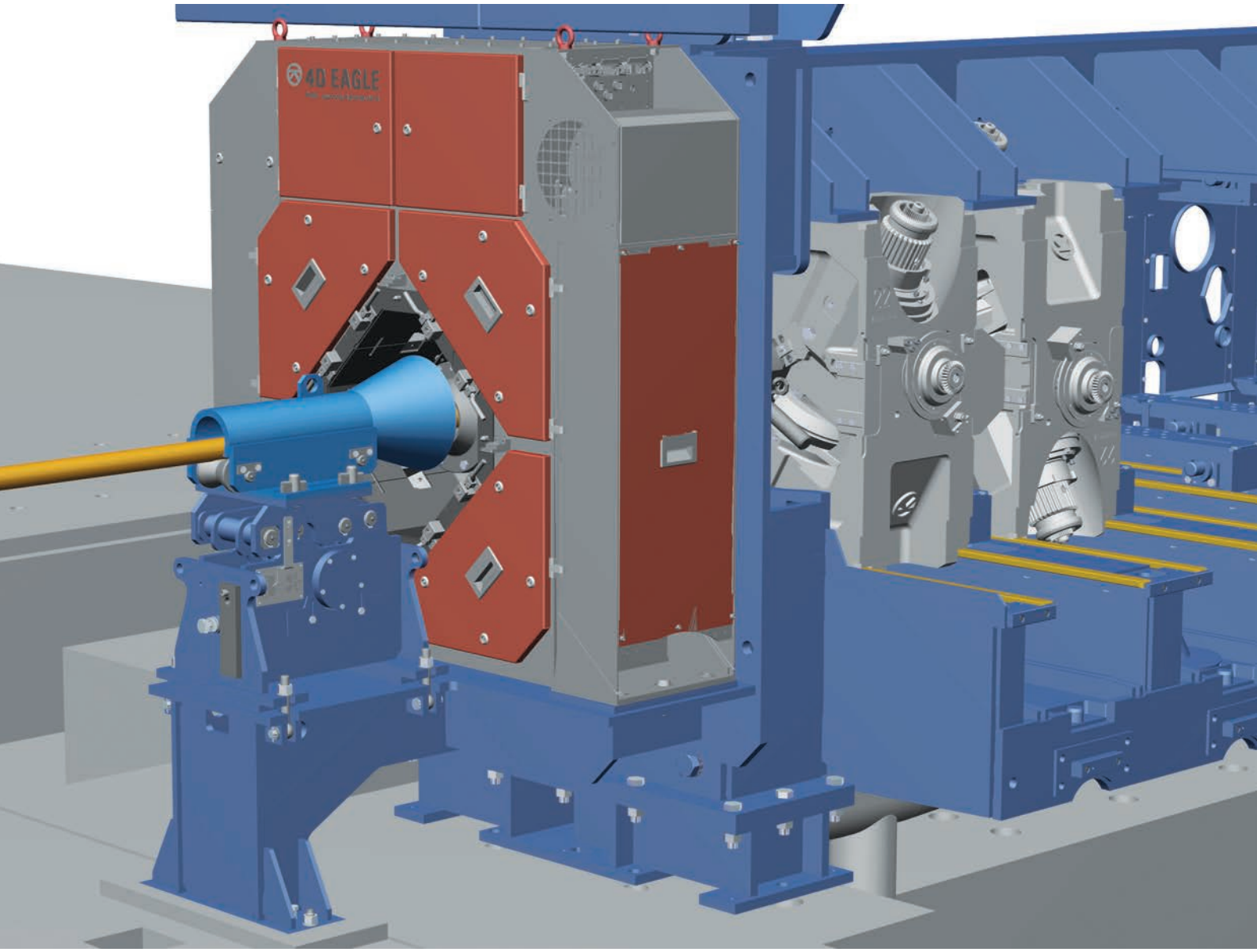
Integrating lab testing data into the hot metal forming process

STEEL TIMES INTERNATIONAL

1866 – 2016

Proud to serve the steel industry for 150 years

www.steeltimesint.com
Digital Edition - February 2017 - No.5



INNOVATIONS – THE LATEST TECHNOLOGY NEWS

Extra corrosion protection from Cortec

Extra Vapor phase corrosion inhibitors have been added to Cortec's VpCI-368 coating for added protection.

The company claims that VpCI-368 already provides excellent protection to metal substrates exposed to harsh outdoor conditions and has an extensive record of use for mothballing and lay-up of equipment, protection of shipments and preservation of spares.

The coating is a dark brown viscous liquid that dries into a firm moisture-displacing wax-like film that can be removed by mineral spirits or alkaline cleaners.

The film can be used for a variety of applications where heavy-duty corrosion protection is needed such as pipe coating, parts storage, underbody coating, wire rope, steel plate or machined parts.

VpCI 368 EVP (extra vapour protection) is available for application in complex, sealed spaces where a greater concentration of vapour inhibitor is beneficial, says Cortec. The extra dose of Cortec VpCI vaporises from the coating, fills the enclosed space, and absorbs on difficult-to-reach surfaces. This, claims the company, is helpful on applications such as pipe internals where it is challenging to thoroughly cover all metal substrates.

VpCI-368 EVP offers outdoor protection that is easier to handle and remove than traditional wax-based coatings, says Cortec, and is commonly used in military and similar applications.

It is UV resistant and passes 900-1500 hours of ASTM B-117 intense salt spray testing applied at 2-3 mils on carbon steel. It also provides multi-metal protection on stainless steel, copper, aluminum, and cast iron. The cured film is heat stable up to 392°F (200°C) and is commercially equivalent to MIL-PRF-16173E (Grades 1 and 2). It can be applied by spray or brush.

VpCI-368 EVP is classified as NATO 6850-66-132-5848, NATO 6850-66-132-6099, NSN 8030-00-062-6950, NSN 8030-00-231-2345, NSN 8030-00-244-1300, and NSN 8030-01-470-2601 and it also conforms to the following test methods: ASTM D-1735 (Water Fog Cabinet), ASTM D-1748 (Humidity Cabinet), ASTM B-117 (Salt Fog Cabinet), ASTM D3690 (VOC), ASTM D522 (Flexibility), MIL-PRF-16173E (Grade 2), NACE (Minimum Surface Preparation Guideline), NACE RP0487-2000 (Selection of Rust Preventives), and SSPC (Minimum Surface Preparation Guideline).

For further information, log on to **www.corteccoatings.com**