

BUSINESSCASE

RIBE JERNINDUSTRI



DST-DEGREEZ® saves Ribe Jernindustri € 40.000 a year

Ribe Jernindustri A/S was established in 1848 as a metal foundry, and rapidly gained a solid reputation, among other things, because of its famous cast iron stoves. The production of stoves stopped in the early seventies and since then they have only been manufacturing sheet iron radiators, low convectors and other accessories. Since the company was established, both the main offices and the factory have always been in Ribe.

Ribe Jernindustri A/S is today the leading Danish manufacturer of radiators and convectors with the following brands Hudevad™ and RIOpanel™.

Additional information www.rio.dk

In early 2010, Ribe Jernindustri was facing a major challenge: the paint did not always stick optimally to the radiators, which meant rejections and recoating.

The powder coating division had so far only barely met requirements in both the salt spray tests and the tropic tests. The company was concerned about whether or not the department would be able to continue meeting the requirements. That is why the conversion to DST-DEGREEZ® became a reality in August 2010.

DST DEGREEZ®

Headquarters: DST-CHEMICALS A/S · Merkurvej 27B · DK-6000 Kolding · Tel: +45 7550 6360



DST-CHEMICALS®
PURE PERFORMANCE

www.dstchemicals.com

As in any other conversion, the washing plant is cleaned thoroughly before setting up a new bath set for the conversion to DST-DEGREEZ®. The previous product (a combination of degreaser and iron phosphate) barely cleaned the radiators before painting, but left the washing plant in a bad state. DST-KEMI technicians cleaned the plant and undertook the transition and subsequent optimization of the entire washing process.

Work environment is one of the big winners from the change to DST-DEGREEZ®. Previously manual dosing and handling of heavy drums was necessary and acid also had to be added. Now the dosage is automatically directed from the drums to both sink and rinsing.

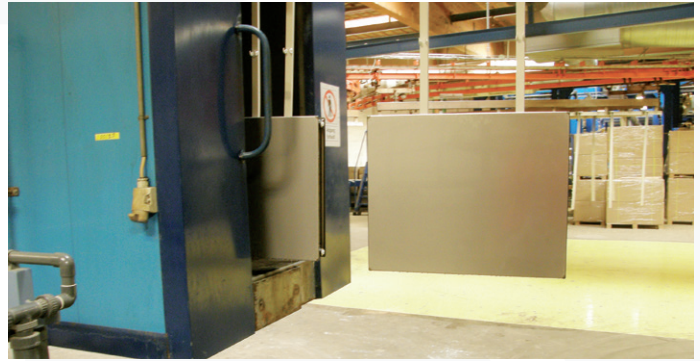
With DST-DEGREEZ® Ribe Jernindustri saves on dryer oven, which now simply works with air circulation as completely degreased items dry by themselves. It also means that rejections due to rehash have been completely eliminated – there has not been any such rejections since the transition to DST-DEGREEZ®.

Bath life time has been improved to a full year against bath changes every sixth weeks. This has cut water consumption by as much as 96%!

In addition, exhaust ventilation was also turned off, which not only involved energy costs but also pulled out both water and heat. Exhaust ventilation is no longer necessary as DST-DEGREEZ/3P washes clean at 40°C.

The real savings is € 40 000 per year - despite the fact that Ribe Jernindustri now pays 3 times more for the product.

Requirements for both salt spray tests and tropic tests are now not only met - the results are 3 times better, which translates into new market opportunities for Ribe Jernindustri.



FACTS

- Superior washing results
- Significant improvements on salt spray tests and tropic tests
- Water consumption reduced by 96%
- Significant improvement on work environment
- Total savings of € 40 000 a year
- CO₂ emissions reduced by 50 tons
- CO₂ emissions are reduced by 50 tons per year due to lower energy consumption

NEW MARKET OPPORTUNITIES

DST-DEGREEZ®

Headquarters: DST-CHEMICALS A/S · Merkurvej 27B · DK-6000 Kolding · Tel: +45 7550 6360



DST-CHEMICALS®
PURE PERFORMANCE

www.dstchemicals.com