



Spaleck Oberflächenveredlung GmbH converts automatic plating line to chromium(III) process

Customer

Spaleck Oberflächenveredlung GmbH

Region

Germany

Industry

Furniture, Sanitary & Automotive

Application

Decorative Electroplating

Plant Specifications

Rack Application

Summary

Spaleck Oberflächenveredlung GmbH recently converted the previous chromium(VI) processes in an automatic electroplating line to the more environmentally friendly chromium(III) process SurTec 883 XT. The new process is convincing in terms of colour and quality and can be integrated into existing plants with little effort.

About Spaleck Oberflächenveredlung GmbH

Spaleck Oberflächenveredlung GmbH was founded in 1991 in Greiz, Thuringia (Germany). Since 1995, the division "decorative rack electroplating" has been intensively expanded and now forms the mainstay of sales with 45 employees.

Spaleck Oberflächenveredlung GmbH stands for sophisticated electroplating and vibratory finishing solutions for the surface finishing of decorative and functional components. Spaleck gives products a high surface quality and needs-based protection - even when it comes to complex requirement profiles.

High quality and environmentally friendly

Spaleck Oberflächenveredlung GmbH places a high value on consistently using environmentally friendly materials and processes.

In order to improve the ecological compatibility of the electroplating technology as well as the occupational health and safety of the employees and to be able to produce in compliance with the law in the future, the company has changed the chromium deposition in its rack electroplating line to a high-performance chromium(III) process developed by SurTec for chromium(VI) replacement. The process is especially suitable for small parts in high quantities from 1,000 components. In order to guarantee full reproducibility of the production results at any time, all electroplating processes follow part and customer specifications.

Success Factors

- 100% free of chromium(VI)
- REACh-compatible
- fast transition
- identical colour values as chromium(VI)

Why SurTec?

- excellent service
- environment-friendly products
- deep process understanding
- wide-ranging experience

Colour values SurTec 883 XT:

L = 83 to 85
a = -0.5 to -0.8
b = -0.5 to -1.5

Comparative values chromium(VI):

L = 80 to 84
a = -0.5 to -1.1
b = -0.5 to -1.7

Contact

Spaleck Oberflächenveredlung
GmbH
info@spaleck-ov.de
Tel. +49 (0) 3661 / 61080

SurTec Deutschland GmbH
Peter Böttcher
Peter.Boettcher@SurTec.com
+49 (0) 172 / 940 26 75
www.SurTec.com



SurTec chromium(III) process convinces in every respect

SurTec 883 XT is an innovative chromium(III) process for decorative applications on sulphate basis, which offers a 100% chromium(VI) substitute in colour and function. Corrosion protection and colour properties are identical to chromium(VI) bright chrome. The process has already been approved by several well-known companies in the automotive industry.

The consistent appearance of the deposited chrome layer was a decisive criterion for Spaleck Oberflächenveredlung GmbH when choosing the supplier for the conversion to the chromium(III) process. This requirement is fulfilled by SurTec 883 XT.

Chromium(III) processes from SurTec are already replacing the previously used chromium(VI) applications in all decorative areas worldwide. Among the customers are plastic (POP) & metal coaters. In total, more than half a million litres of chromium(III) electrolyte are in use worldwide.

Integration in just 48 hours

The new make-up with SurTec 883 XT was a complete success: Within only two days, the integration of SurTec 883 XT into the previously rebuilt electroplating line could be completed and the chromium(III) production could be started in less than 48 hours after the new make-up of the chromium(III) electrolyte. SurTec provided intensive support in order to train the employees of Spaleck Oberflächenveredlung GmbH and to teach them how to handle the chromium(III) electrolyte.