

Table of Contents

Spring 2010

Vol. 13, No. 2

Wire Forming Technology

International

WFTI EMPHASIS: Surface Coating



Powder coating technology...10



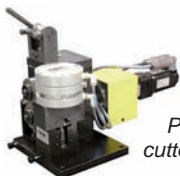
Policing antidumping duty violations...12



High-speed spring coiling with advanced software...50



WIRE ASIA Tianjin 2010



Pneumatic cutter head...52

Feature Articles

- 10 Case Study: Switching to a Powder Coating System from Liquid**
Monica Cunningham - Installation of a powder coating system gives wire partition maker the quality required to grow its business.
- 12 Evasion of Antidumping Duties on Imported Steel Wire Products**
Milton M. Magnus III - US\$84 million annual loss to USA Treasury, with negative impact on jobs.
- 22 The Heat Treatment of Steel Spring Wire**
Daniel H. Herring - The latest installment in a series of articles on the heat treatment of springs and wire forms.
- 25 Mechanical Properties – Part 5, Toughness**
Dr. Roger N. Wright - *The Strength of Steel* column, dedicated to the metallurgy of spring making and wire formed parts manufacturing.
- 38 In-Line Heat Treatment of Steel Spring Wire**
Marco Dell'Oro/Dr. Eng. Mauro Schiavon - Producing tempered steel spring wire through the use of advanced product handling and in-line induction heating for water quenching.
- 40 Spotlight On Straightening & Cutting**
Michael McNulty - A look at the all-important process of restoring wire, rod, strip or bar to its original form before beginning the forming process.
- 42 New Corrosion-Resistant, Ultra-High-Strength Steel**
Chris Kern/Rich Kooy - Designed to replace cadmium-plated materials, this steel produces smaller, lighter, tougher and more durable products for use in corrosive, fatigue-sensitive environments.
- 46 CASMI In The News**
An improved website, the annual golf tournament, 2010 scholarships, should "A Day at the Races" be reprised? and an update on *SPRING WORLD® & Wire Forming Trade Show*.
- 48 Spring Coiling Roundup**
Editorial Staff - Suppliers have responded to our call for the state-of-the-art in spring coiling equipment and technology.
- 53 Prestressing of Springs Stressed in Bending**
Mark Hayes - "Technically Speaking" column.
- 56 Over 75 Years of Automated Wire Forming and Spring Making**
Faces In Forming: Precision craftsmanship survives a war and the test of time for continual growth.
- 58 Springing to End Employee Entitlements**
Lane W. Imberman - Counter an entitlement psychology with a shared mission in a common cause.

Industry Events

- 16 Straight From The Show**
Images, facts and news from *wire 2010*, held April 12-16, 2010 in Düsseldorf, Germany.
- 27 20th Anniversary in Milwaukee**
Preview of *Wire Expo 2010*, to be held May 12-13, 2010 in Milwaukee, WI, USA.
- 54 China's Congress for the Wire, Cable & Wire Forming Industry**
Preview of *Wire Asia 2010*, to be held May 12-14, 2010 in Tainjin, China.

Tech Brief

- 52 Economical Servo-Controlled Feed & Cut System**

Departments

Wire Forming Events.....	4
Editorial.....	6
News Wire.....	8
Product Showcase.....	60
Advertisers' Index.....	63
Classified Advertising.....	63
Editorial Index.....	64

Next Issue: Summer 2010

SPRING WORLD® 2010 Preview
wire China 2010 Preview
Emphasis: Rebuild & Upgrade
Roundup: Wire Forming & Tube Bending
Spotlight: Heat Treatment