# Table of Contents

Summer 2009

Vol. 12, No. 3

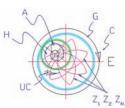




Universal wire bending system....18



Aluminum wire....30



Unlimited wire mesh patterns....32



Twin-head CNC wire forming machine....39









## Feature Articles

- "System Partnership" Exhibition Sees Visitor Boom in Wuppertal Andreas Hoster - Firm's 7th in-house exhibition enjoys solid attendance despite the economy.
- 19 Hooke's Law Mark Hayes - "Technically Speaking" column.
- **Fundamental Principles of Heat Treating Steels** Daniel H. Herring/Richard D. Sisson, Jr./ - Part 2 in a series on heat treating springs and wire forms.
- Materials (Wire, Rod, Bar & Strip) Roundup Editorial Staff - Suppliers have responded to our call for the state-of-the-art in materials technology.
- **Waved Welded Wire Fabric** Youssef Koussaifi - Unlimited mesh patterns from one continuous formed and welded wire.
- Mechanical Properties, Part 2 Yield Strength & Flow Stress 35 Dr. Roger N. Wright - Part 2 of the multi-part series, The Strength of Steel.
- Spotlight On Wire Handling Michael McNulty - Getting raw material from the reel to the processing machine demands attention.
- Is Inertia Hurting Your Company Woodruff Imberman - A "business as usual" attitude can cause a lot of problems for a company.
- Wire & Spring Surface Treatment Leaders Merge Vanessa Riding - A look at one of the world's leading metallic parts enhancement operations.
- Coatings Roundup Editorial Staff - Suppliers have responded to our call for the state-of-the-art in coating technology.
- Eliminate Spring Manufacturing Software Problems Craig Benjamin - A look at the advantages of industry-specific software for spring manufacturers.
- What's New in RoHS 2 & US RoHS? John P. Pop - A look at proposed legislation and its affect on USA spring/wire formed parts makers.
- 56 Precision Springs Manufacturer Courage & Conviction for 70 Years Springmaker Stories: Perseverance in making the right moves results in a leading spring supplier.

# **Industry Events**

- 20 Thailand Restates Itself as Key ASEAN Manufacturing Center Preview of wire Southeast ASIA 2009, to be held Oct. 13-15, 2009, in Bangkok, Thailand.
- Straight From The Show Review of Interwire 2009, held April 25-30, 2009, in Cleveland, OH, USA.
- **Combined Russia Trade Fairs Generate Positive Results** Review of wire Russia 2009 & three co-located shows, held recently in Moscow, Russia.

#### Tech Brief

39 35 Years of Innovation in Wire Forming

### **Departments** Wire Forming Events..... Editorial......6 Product Showcase......60 Advertisers' Index..... Classified Advertisements & Literature......63 Editorial Index......64

## Next Issue: Fall 2009

**Technical Achievement Awards** Company Profiles **Roundup: Heat Treatment Spotlight: Spring Grinding**