

## **HETTICH Roll Forming Machine Purchasing and Plant Design in Taiwan**

*Roll Forming Machine Made With Marvelous Roller Design - COPRA Rollscanner for Forming Machine Tubes & Pipes Accuracy*

**Nov. 29, 2009** - [PRLog](#) -- Hettich Holding GmbH & Co. oHG is one of the leading manufacturers of thermoforming and packaging systems in Germany, and has purchased an innovative new fully automatic pressure forming machine from Roller King Enterprise Co., Ltd., a Taiwan roll forming machine supplier with more than 17 years experience, named HD-F50 Slide Forming Machine. Hettich has been successfully developing, manufacturing and selling furniture and cabinetry hardware including a wide range of hinges for glass and wood doors, drawers and runner systems for kitchen or office furniture, folding and sliding door mechanisms, connecting fittings and complete hardware systems. Because of the difficulty in finding qualified suppliers who can meet their strict standards, after much visitation and search, they eventually found Roller King for their forming machine design and manufacture.

- # What are the forming machine requirements from Hettich? More than 30 rollers with various sizes
- # Complex roll formed products
- # 14 kg weight tolerance capability
- # Accuracy reach 0.01mm
- # Pull test more than 50,000 times
- # 25-year usability guaranteed
- # 9 times faster than usual production speed

\* How did Roller King fulfill Hettich's forming machine requirements? Germany COPRA Rollscanner & COPRA FTM Simulation for their roll design

- \* CNC Lathe- High speed computerized numerical control
- \* AC servo drive system
- \* Japanese MITUTOYO 3D test machine
- \* Japanese Machine center
- \* VMC-2090A Conquest series
- \* Hardness precision: 0.01mm
- \* AUTO CAD precision:0.001mm
- \* 24 hr maintenance
- \* Test report provided
- \* CE certification

Roller King fulfill requirements

Because of the importance of production accuracy, Roller King uses German made COPRA® Rollscanner to design the roller with access to a number of optimization settings - concerning iteration, gap widths, angle adjustments and computing time. COPRA® Rollscanner allows to define calibration method as well as forming strategies according to your requirements (e.g. one radius, two radii up to up to 4 radii method or more or oval shapes), which can be run automatically and its calculation of the roll forming steps is done according to predefined strategies and can be adapted to your requirements. COPRA® Rollscanner is an automatically working optical inspection system for roll forming rolls, it is an automatically working roll inspection machine for quality control, reworking or archiving of existing roll sets. Once the design is done, 3D processing started to produce roller with the scanner to ensure every part of the roller is accurate. COPRA® Rollscanner is capable of measuring the curves of roller, section dimension of structural steel and the accuracy reached 0.01mm.

## Hettich Group

The Hettich Group employs around 5800 people worldwide and generates annual turnover of over 777 million euros. Their customers are furniture manufacturers, artisan producers, fittings dealers and DIY and home improvement stores. Their production facilities are located in North and South America, Europe and Asia. With 36 subsidiaries and partner agencies, Hettich is close to its customers in more than 100 countries around the world. As Hettich, the company has evolved into a diversified company group operating chiefly in the furniture sector. Hallmarks of the Hettich brand are quality, innovation and customer orientation.

Roller King Enterprise Co., Ltd. (<http://forming-machine.ready-online.com/>)

Roller King Enterprise Co., Ltd. is a well-known manufacturer that is specialized making multi-purpose machines, especially in manufacturing roll forming machines. Years of experience have made Roller King's roll forming machines highly competitive - that is, satisfaction is guaranteed. Roller King owns elite equipment including COPRA Rollscanner, CNC lathes, 3D processing machines and MITUTOYO 3D test machines to ensure every roller is made precisely. Any complex form of rollers can be made by Roller King due to their excellent combination of design team, assembly technicians, forming machines and other related equipment. They are specialized in manufacturing pipe forming rollers for the production of stainless steel round pipes, square pipes, irregularly-shaped pipes, hexagonal pipes, octagonal pipes, pipe bending molds, pipe forming molds, common steel pipes, and various shapes of steel.

Assembled over a team of knowledgeable technicians for roll forming machine

Sophisticated design plus experienced technicians' refine fabrication, CNC lathe, AC servo drive system and 3D processing - rollers are accurately produced. The rollers are tested regarding their hardness, tolerance, curve and size accuracy using MITUTOYO 3D test machine from Japan and finally, roller forming machine is assembled over a team of knowledgeable technicians.

Sheet metal forming processes are those in which force is applied to a piece of sheet metal to modify its geometry rather than remove any material. Typical roll formed parts include panels, tracks, shelving, etc. These parts are commonly used in industrial and commercial buildings for roofing, lighting, storage units, and HVAC applications. Only a sufficient combination of an elite design, knowledgeable technicians, solid equipment, software and test machines can ensure the accuracy of each production.

Roller King is dedicated to manufacturing metal forming machines with high qualities and for many years, they believe the only method to stay on top is to meet the challenges from their clients. In order to do so, their purchasing of COPRA® Rollscanner, 3D test machine and numbers of high capacity CNC lathes assist them to reach the goals. visit Roller King <http://forming-machine.ready-online.com/index.html>

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Source Roller King Enterprise Co., Ltd.

Zip 110

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