



#### TRAINING CLASSES

How we can help you become roll experts.



#### NEW CNC LATHE

New machine boasts 86-inch diameter capacity.



#### CHINA ONLINE

Photo gallery of how FKM brought rolls to China.



#### TIPS

Flushing dirt out of your stamping process.

# Roll Call

## FKM USA Technology News

● 1ST ED. | ● SUMMER | ● 2007

ASK YOUR FKM USA SALES REPRESENTATIVE ABOUT OUR LATEST INNOVATION IN ROLL FINISHING.



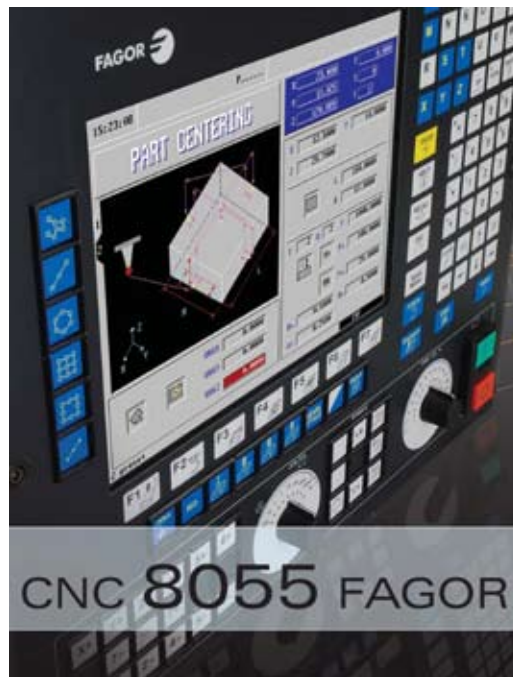
Roll Call is a quarterly publication of FKM USA. To be added to our mailing list or to suggest a story idea, please contact us at [info@fkmusa.com](mailto:info@fkmusa.com) or by phoning (815) 469-2473.



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## New Lathe for Micro Finishing of Rolls



*The new lathe is a custom built machine with a high-end CNC to ensure top quality production of our rolls.*

As production demands continue to grow at FKM USA, we add new machinery to keep pace.

Our latest addition is a new FAGOR model 8055-TC CNC controlled lathe for turning and grinding fabric covered rolls. According to Jim Rusczyk, FKM USA Managing Director, "It's a pretty advanced machine with some stellar capabilities. We anticipate that its ability to handle an 86-inch diameter by 24-foot long roll will provide us with the ability to handle just about anything."

A perfect compliment to our new 212-inch press, this new lathe is scheduled for Fall '07 installation and should be in full production by the end of this year. The advanced CNC control will elevate our product quality to an even higher level as we continue to hone our roll building skills.

# Bringing FKM China Online Early

*FKM China is the latest venture of FKM, having already exported know-how from Germany to the USA. The images below show how it all came together over the past few months.*

## FKM Opens New Facility in China to Serve Asia

FKM Walzentechnik, started operations at its new facility in the German Industry Park in Kun Shan City, China, about 50 km west of Shanghai.

Phase One of the project, which includes a 2000 m<sup>2</sup> (21,528 sq. ft.) factory and 500 m<sup>2</sup> (10,764 sq. ft.) of office space, has just been completed.

Phase Two, with an expected completion in two years, will include the development of another 1000 m<sup>2</sup> of factory space. This new office houses 25 employees and provide sales, service and technical support to the Asia Pacific market.

“We see this as an excellent opportunity to directly serve the Asian OEMs as well as the increasing number of European and American transplants that have opened manufacturing facilities in the area.” says, Joachim Schifferdecker, FKM China General Manager.



*One of the new custom lathes arrives*



*European styled executive offices*



*Overhead crane erects the press uprights*



*Plenty of engineering and sales offices*



*Mounting of the first press into its pit*



*Comfortable customer conference room*



## Introducing the FKM Dirt Team

*Stamping plants and other steel processing facilities find themselves with quality issues related to dirt and debris finding a way into the production process. FKM's Dirt Team helps you eliminate these costly nuisances at their source.*

FKM USA's team of experienced professionals have established testing methods to help you gain better control of your production process. Tailored to your plant environment, we establish a methodology to identify the composition and sources of 'dirt' that results in quality defects, then devise a series of steps to isolate, intercept and ultimately eliminate these sources. The results, a dramatic reduction in surface quality defects, material rework and extended tooling life.

We employ a number of tests to determine what is the cause of your quality issues and then we coordinate our efforts with your management and production team to identify the source of the problem and the means to eliminate it from the process.



*Through on-site and in-lab testing, FKM can isolate, identify and help you reduce quality problems related to 'dirt'.*

### Techniques include

- Line-side Hexan flushing of the blanks on the blanking line and stamping lines to isolate the debris on the steel surface and determine particle size or weight using weigh-strip-weigh, and optical-laser particle counting devices.
- In-lab material analysis to determine chemical composition and to provide positive material identification.
- In-lab testing (test stand shown above) to recreate plant conditions in a controlled setting.

## FLUSH THE DIRT OUT OF YOUR PROCESS

*Taking a few steps to understand the sources of dirt in your process and how to eliminate them can generate excellent quality gains and cost savings.*

- **BASELINE**  
*Establish a baseline measure of dirt or debris that is common to your operation.*
- **MEASURE**  
*Select the most convenient, cost-effective means of measuring and tracking dirt incidents within your production environment. There are many tools at your disposal to consider.*
- **IDENTIFY**  
*Leave no stone unturned. Once you have captured samples of the dirt, have it analyzed so that you know what you're dealing with and can start finding where it may be coming from.*
- **ELIMINATE**  
*Once you've identified the source, put in place procedures to eliminate the problem, or to reduce its impact on your operation.*

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*FKM USA, Serving all of your industrial roll needs.*

[WWW.FKMUSA.COM](http://WWW.FKMUSA.COM)

**NORTH AMERICA  
FKM USA, LLC.**



**EUROPE  
FKM WALZENTECHNIK**



**ASIA  
FKM CHINA**



## FKM Profile

FKM USA, founded in 2000 in Hammond, Indiana by Dr. Ulrich Freudenberg, sole owner of the company, has strong ties to the Freudenberg Works. Dr. Freudenberg pioneered the formulation of fabrics designed specifically for cleaning, deoiling and tensioning steel strip and blanks. FKM utilized these proprietary fabrics exclusively for FKM's roll business. This level of product control has proven to be a substantial advantage for our customers.

Another key to FKM success is our popularity with Ford Motor Company and more recently Toyota.

FKM Walzentechnik, the parent company is active in the development and the manufacture of coatings for rolls and rollers including the relevant all-round service.

Closeness to customers and shortest delivery times are characteristic of our satellite company's. You can find FKM products in a wide range of industries:

Personal customer service and co-operation make us a reliable business partner.

## Training Classes

*We offer our customers complimentary training for all production shifts and management teams. Our courses cover every aspect of roll management, optimization and process control. Call Jim Rusczyk or Doug Goetz at (815) 469-2473 to learn more about how we can tailor a program to meet your plant's needs.*



*Courses includes detailed instruction by an FKM professional, visually rich PowerPoint presentation and a 40-page full color textbook for each participant.*



CONTACT US ANYTIME  
TO SET UP AN EVALUATION  
OF YOUR CURRENT ROLL  
PROCESS.



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