Innovation as the motor of success

Innovative tool concepts and complete solutions have always been one of the main competencies of the KOMET GROUP. The internationally renowned innovation leader for high-precision drilling, reaming and thread cutting does not see itself merely as a tool manufacturer, but rather as a supplier of innovative ideas.

The company, which has a long tradition of exemplary creativity, develops, produces and sells customer-specific solutions and products for all manufacturing levels. “For us, ideas are the basis of success.” says Dr. Christof Bönsch, Managing Director of the KOMET GROUP. “Ideas in production mean that we are continually developing new ideas that will benefit our customers,” he adds.

With TOOLS PLUS IDEAS, national and international customers from the automotive, general mechanical engineering, aviation and aerospace, shipbuilding, medical, energy or agricultural industries receive more support and services. The KOMET GROUP relies on consistent innovation as the motor of success and growth. “Thanks to our exceptionally qualified specialist staff, we are regularly able to set new benchmarks in product development,” says Matthias Heinz, Managing Director of the KOMET GROUP.

The KOMET GROUP also commemorates 30 years of innovation in North America at this year’s IMTS. “This is a special event for KOMET®, as our subsidiary of KOMET of America is celebrating its 30th anniversary this year. During those many years, KOA has continuously developed to become our largest subsidiary outside of Germany,” salute the Managing Directors.

New threading tool options to maximize productivity

KOMET now offers the BASS brand of HSS-E machine taps and roll form taps, and a stocking program devised for the North American market.

The KOMET GROUP has expanded its portfolio of threading tools with the addition of the BASS line of high-speed steel machine taps and roll form taps.

Designed and manufactured in Germany according to the highest quality standards, BASS threading tools provide high precision and reliable performance for all materials, and are offered in a wide range of sizes.

In partnership with BASS, the KOMET® brand of solid carbide and PCD threading and milling tools. Attractively priced, the BASS HSS-E and HSS-E powdered metal (PM) grade machine taps and roll form taps provide excellent performance for medium to low volume production in all industries.

“With our JEL® product line, KOMET offers one of the most advanced solid carbide threading solutions in the industry, both for tapping as well as for thread milling,” says Dr. F.-Hans Grandin, President/CEO, of KOMET of America. “The BASS premium HSS taps now round off the JEL® line, supporting our customers with their varying needs for a wide range of applications,” he adds.

The BASS machine and roll form taps are designed to:
- Reduce the cost per thread;
- Maximize the end-product quality;
- Optimize the threading process.

“The high-quality BASS tools complete our portfolio of inch-size machine and roll form taps for the North American market,” adds Wolfgang Ruff, Vice President, Engineering for KOMET of America. “They represent a dependable solution for applications in almost all materials, and are offered at a price point that is right for the market.”

The BASS brand of tools is available through KOMET® and our affiliated distributors for the U.S., Canadian and Mexican markets.
Ready for the next 30 years

As KOMET of America celebrates its 30th anniversary, the management team reflects on the company’s future.

“As the industry faces a shortage of skilled workers, KOMET will focus more than ever on the training and retention of its key employees, while looking at attracting top talent. We foster a work environment where each individual feels empowered to use creativity to solve daily challenges and work for the long-term betterment of the company.”
- Joanne Snarich, Human Resources Manager

“Our sales force of experienced tooling specialists and Midwest-based engineering team proactively respond to our customers’ needs with innovative solutions locally and globally.”
- Ron Rygiel, VP Sales and Marketing

“Our Lean Manufacturing and Ideas Management initiatives have helped us emerge from the recent economic downturn with a 30% increase in productivity compared to pre-crisis levels. Through teamwork, we look forward to further streamlining our processes for our own benefit, but moreover for that of our customers.”
- Thorsten Wardemann, VP Production

“With a sound financial basis and state-of-the-art administrative processes, KOMETs is ready for the next chapter of its North American experience.”
- Jurgen Juffa, VP Finances

“Melding the strength of the KOMET brand with established production capacity and expertise is a winning recipe for KOMET de Mexico as we grow to become an increasingly important player in the KOMET team.”
- Jan Plüglfelder, President, KOMET de Mexico

“Canada represents a huge potential for KOMET in the areas of Oil and Gas and Aerospace, as well as in Mold Making and General Machining. We are only skimming the surface now, but want to grow deep and strong roots in that market.”
- David Toomey, President, KOMET of Canada Tooling Solutions

“We have a strong management team as well as excellent engineering and production capabilities. These enable KOMET of America to provide outstanding support to our North American customers, so that we are looking forward to another 30 years of continued, exceptional growth!”
- Dr. F.- Hans Grandin, CEO/President, KOAH

KOMET of America received the 2011 Merlin Award for Excellence in Training and Education

KOMET milestones

1918 Foundation of the company by Robert Breuning in Germany
1924 The company starts trading under the name of KOMET®
1936 First trip for the brothers Robert and Max Breuning to the U.S.
1948 KOMET moves to its current location in Besigheim
1950 Start of a sales office headed by Robert Breuning’s brother-in-law, Richard Bühler and nephew, William H. Breuning in Hartsdale/White Plains, NY
1973 Opening of a sales subsidiary in Largo, FL
1977 Patent for the KUB® drills with indexable inserts for solid hole machining
1982 Launch of KOMET SERVICE® to the North American market
1988 Launch of the KUB Trigon® drill
1991 KOMET of America moves to its new facility in Schaumburg, IL
1992 Launch of ABS® (Advanced Boring System) application for high-speed machining
1994 Acquisition of Dihart AG
1995 Acquisition of JEL® GmbH
1996 Acquisition of rhoBeSt GmbH
1997 Introduction of PCD tools for high-speed machining
1998 Launch of the KUB Trigon® drill
1999 Acquisition of DIHART® GmbH
2000 Merger of the sales activities of KOMET®, JEL® and DIHART® and foundation of the KOMET GROUP GmbH
2011 KOMET of Canada Tooling Solutions is established in Newmarket, Ontario
2012 Acquisition of Brinkhaus GmbH
2013 Launch of KOMET SERVICE® to the North American market
2014 Acquisition of ULC, a sales office located in Newmarket, Ontario.
2015 With two manufacturing facilities and four sales offices throughout North America, KOMET brings its services and solutions close to its customers, resulting in fast-paced growth. And representing a significant share of the global presence of the KOMET group.
With our new service offer, the KOMET GROUP provides you fast tool refurbishing, original re-coating and access to KOMET® brand standard and simple special solid carbide tools, all from a single source: the KOMET SERVICE® partner.

"With the new KOMET SERVICE® brand, the KOMET GROUP is putting another PLUS from our TOOLS PLUS IDEAS philosophy into practice" says Thomas Whennen, Manager of KOMET SERVICE® for North America. He elaborates: “The KOMET SERVICE® network already counts over 15 partners in four European countries, and my role is to establish the model in North America. The idea is for KOMET® customers to find everything under one roof: the possibility to get KOMET® tools, as well as tools of other brands refurbished and re-coated, but also to access standard and simple special carbide tools, and the expert field support that they have come to expect from KOMET®.”

The KOMET SERVICE® partners are your competent, local contact for professional tool processing. They offer you everything from a single source, fast, easy, and complete:
- Professional re-grinding services
- Original re-coating
- Local service, pickup and delivery
- Re-grinding of all brands of tools
- Standard and simple special solid carbide tools
- Ease of use: just drop your tools in our box and our partners do the rest
- Transparent quotes and clear costs
- Detailed measuring log

“As we are building our network of partners beginning in the U.S., I am available to meet with potential partners for the duration of IMTS in order to outline the business opportunity, as well as the benefits of being associated with a strong brand and network.” He concludes: “We also have a contest going on where potential partners have the chance to win an iPad!”

Becoming a KOMET SERVICE Partner – your opportunity!

KOMET SERVICE® is coming to North America: our objective is to establish a nationwide network of professional KOMET SERVICE® partners. This may be an excellent opportunity to grow your business with the support of a global, highly recognized brand of high-performance tools.

As an independent entrepreneur, you can now secure all the advantages of becoming a KOMET SERVICE® partner:

- New customers and additional sales
- Service portfolio expansion with KOMET® tools processing
- Customized service platform
- Access to KOMET product line (standard and special carbide tools)
- Territory protection and brand advantage
- Know-how transfer and training
- Connected through technology
- Marketing support
- Co-op purchasing / expense reduction
- Leasing / financing
- And so much more...

Visit www.komet.com/service for more information, or contact us today!

Thomas Whennen
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Office: 847-923-2109
Mobile: 312-813-3341

KOMET SERVICE® will be meeting with qualified potential partners during IMTS 2012.

If you regrind and/or manufacture solid carbide tools and are interested in discussing a new business opportunity, book an appointment with Thomas Whennen, Manager, KOMET SERVICE® between Monday, September 10 and Saturday, September 15.

All interviewees will be entered to win an iPad to be raffled after the close of IMTS.
The tool:
KOMET KUB Pentron®
Indexable insert drill for extreme applications

The idea:
Providing stability and dimensional accuracy in very difficult drilling conditions up to 5xD.

Why it’s great:
- Sustained performance in drilling conditions previously limited to 3xD.
- Up to 20% greater feed and speed rates compared to similar drills.
- Designed for use with steel, cast metal, aluminum, and stainless materials.

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Creativity, commitment and responsibility is the name of the game at KOMET.

We are only as good as our team

The training, knowledge, experience and reliability of our personnel are the basis of KOMET GROUP’s success.

THE KOMET GROUP employs specialists and experienced technical personnel throughout the organization. Our motivation is constantly driven by quality, innovative development and customer satisfaction.

The commitment and qualifications of each individual is reflected in the Group’s success.

From the initial consultation to assembly and installation, every one of our employees feels personally responsible for their work.

In addition to research and development, the initial and further training of our employees is an important element in extending and safeguarding the high technical level that will allow us to remain successful in the world market.

With its extensive range of training locations, the KOMET GROUP is not only helping to reduce the shortage of skilled workers but giving young people a more secure outlook on the future.

For more information, please visit our website:
www.komet.com

Careers with many advantages

From hi-tech to skilled work - the wide variety of our activities require more than knowledge and experience. We can ensure the necessary interaction between all our functions and the success of our products only by involving our workforce at a personal level.

Current positions available at KOMET of America:

- Global Key Account Manager
- Sales Engineer - Illinois
- Sales Engineer - Louisiana, Houston area
- Project Engineer
- PCD CNC Machinist
- CNC Mill Turn Center Operator
- CNC OD Grinder

Many ways to send us your resume:
- E-mail to HumanResources@komet.com
- Fax to (847) 923-2123
- Mail to: 2050 Mitchell Blvd, Schaumburg, IL 60193-4544

Visit www.komet.com for more information about our career opportunities.

JEL® TPT Mobile App
Now Available!

Download our TPT mobile app from the Apple App-store or Google Play

Also find it online at: tpt.kometgroup.com

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Learn more about this and other great ideas.
Go to www.komet.com/greatideas or scan this QR code.
Carbide solutions for drilling small bores

KOMET KUB® Drillmax and Drillmax XL

High-performance solid carbide drills up to 30xD.

With length/diameter ratios of 5xD, 7xD, 8xD, 20xD and 30xD, the KOMET KUB® Drillmax and Drillmax XL solid carbide drills offer a high-performance solution for small bore diameter and deep-hole drilling.

The range is available in diameters ranging from 3 to 16 mm. Optimized flutes enable ideal chip removal, extremely productive and high-precision machining with the possibility to achieve hole tolerances of IT9.

The XL variants also feature a special surface treatment which has been tried and tested on other KOMET® deep hole drilling tools. The 4 guide chamfers ensure great alignment and precise drilling.

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Increasing demands made of international production require new quality assurance concepts.

Identical quality worldwide

KOMET GROUP establishes its Center of Competence concept and sets new standards internationally in the field of product quality.

The KOMET GROUP and its 20 subsidiaries employ more than 1,450 people and are represented in 50 countries.

Alongside the main German facilities in Besigheim and Stuttgart, the KOMET GROUP has production facilities in Brazil, Mexico, the United States, Poland, India, China, Korea and Japan, as well as a growing network of national and international repair locations.

In order to guarantee identical product quality internationally, the KOMET GROUP has developed and introduced the Center of Competence concept.

"With the KOMET® Center of Competence we have defined new standards in production worldwide," explains Dr. Christof Bönsch, Managing Director of the KOMET GROUP. "Our customers can rely on the fact that if a product has a KOMET label, it contains KOMET® quality," Bönsch continues.

The German production locations, which have years of experience in all aspects of tool production, are acting as Centers of Competence. The KOMET® Center of Competence is a worldwide leading plant for modern products and innovative manufacturing technologies. Its task is to provide intensive support for the international KOMET® locations, including active support with process and production knowledge. During this process, the production locations are qualified according to a standardized, transparent and cooperative location development plan, whereby individual country-specific market circumstances are taken into account.

The company’s long years of experience in the fields of drilling, carbide tools and reaming, as well as mechatronic systems serve as a basis for worldwide growth and development of the product lines.

KOMET GROUP

project management

The mobility of people and goods is the deciding factor for life the world over and is the motor for the global economy. One of the greatest challenges of our time is to increase this mobility while making it more efficient and ecological at the same time.

Project management at the KOMET GROUP is taking up this challenge. Our know-how and expertise are focused on optimizing your part and component machining by maximizing technical finesse and efficiency.

Here, we are creating potentials for our customers where they do not expect it: in the detail. For increased mobility.

Project management at the KOMET GROUP sets standards and is a system partner for process optimization, tool design through to complex production solutions.

Thanks to the outstanding symbiosis of development, technical expertise and service, we have an interdisciplinary solution pool at our disposal that is used by renowned companies and organizations in the automotive industry all over the world.

Customer-oriented service on all continents

From Australia to China, South Africa to the USA – the KOMET GROUP is represented all over the world.

The KOMET GROUP is one of the leading international full-range suppliers for precision tools. For more than 90 years, the successful company group based in Besigheim, Germany, has been one of the innovative leaders in this sector. Founded in 1918 by the ingenious designer and inventor Robert Breuning, the KOMET GROUP has since developed into an internationally operating manufacturer for precision tools for drilling work, reaming and thread cutting, and is home to the brands KOMET®, DIHART® and JEL®

The KOMET GROUP continues to rely on consistent global commitment:

- 50 international branches on all 7 continents
- 40 service and sales centers
- 10 production facilities worldwide

Fully Integrated

Machining example:
Optimized complete machining of a truck clutch housing made of aluminum.

Drilling, reaming, thread cutting and milling tools for your part and component machining
- Intelligent combination of standard and special tools
- Perfectly coordinated and optimized working steps
- Minimized downtime thanks to fewer tool changes

TOOLS + IDEAS™
Incorporating micro-adjustable reaming heads and holders into a Plug'n Ream tool system.

Why it’s great:
- Expandable head compensates for wear.
- Plug'n Ream system with DAH Zero®, ABS® or straight shank holders.
- Head can be changed within the machine in seconds.

The tool: Dihart Reamax® TS
Modular precision reaming system

Tools Plus Ideas

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Learn more about this and other great ideas.
Go to www.komet.com/greatideas or scan this QR code.

NEW!
With the acquisition of Brinkhaus GmbH, a manufacturer of monitoring and control systems for machine tools, the KOMET GROUP is expanding its product portfolio in the field of process management and quality control.

Under the name of KOMET BRINKHAUS, the KOMET GROUP is expanding its product range by adding further trend-setting technology. “Under the heading of TOOLS PLUS IDEAS, we are consistently striving to reach our goal of constant product innovation”, says Dr. Christof Bönsch, Managing Director of the KOMET GROUP. The KOMET GROUP is currently the only tool manufacturer that is expanding its services into the area of process management.

The ToolScope® system is based on a new type of technology in the area of process and machine monitoring. A patented method for statistical process control not only enables monitoring for tool breakage, but also focuses on substantially reducing the number of anomalies during production.

The ToolScope® system is impressive thanks to its ease of operation and simple and secure application in different fields. It also has the unique capability of providing a method for continuous quality control during the process.

“The combination of process expertise and monitoring technology brings the service aspect to the forefront for customers, and in this regard, is unique”, says Dr. Jan Brinkhaus, founder and Managing Director of Brinkhaus GmbH. With the acquisition by the KOMET GROUP, the company can provide its customers with an international sales and service network, and also drive forward the expansion of its development capacity.

KOMET BRINKHAUS is introducing the ToolScope® to North America during IMTS 2012. Stop by KOMET Booth W-2400 to learn more about the ToolScope® and chat with a KOMET BRINKHAUS representative!
High-precision tool adjustment with the help of Bluetooth technology

Wireless technology has entered the machine room with the new KOMET MicroKom® BluFlex™ fine boring system. Bluetooth® technology enables the safe, easy and convenient reading of the tool data on an external, over-sized magnetic display.

The Bluetooth® technology in the new KOMET MicroKom® BluFlex™ fine boring system meets the special requirements of metal-cutting manufacturing and allows the display to be disconnected from the fine-adjustment head.

The operator can mount the external display unit for setting the micro-adjustable head anywhere in their field of vision in order to suit the conditions at the machine. Bluetooth® sets up the connection for data transfer from the boring head to the display unit.

There is a specially designed adjustment key integrated in the Bluetooth® interface. In addition to being convenient, the illuminated display is larger than would be possible on the fine-adjustment head itself, helping to reduce errors even further. Another advantage of separating the display is weight reduction at the tool, allowing faster speeds.

Bluetooth® is a Bluetooth SIG, Inc. brand.

Thank you to our valued partners

A sincere thank you to KURT vise, ZOLLER and DMG / MORI SEIKI for providing equipment. You can visit them at the following booths.

KURT K
ZOLLER
DMG / MORI SEIKI

See more of our tools in action!

Stop by the Makino Booth S-8700 to see more of our tools perform in a live demo!