

Press information

KYOCERA Introduces MFH HighFeed Milling Cutter with Anti-Vibration Design

New tool raises cutting productivity, allowing higher feed rates with less vibration

10 July, 2014 – Kyoto/Neuss – Kyocera Unimerco Tooling GmbH introduced its new MFH - High Feed Milling Cutter, which features an anti-vibration design for increased productivity in ramping and helical milling at high speeds. The MFH offers a variety of cutting options with three different inserts designed specifically to enhance general milling; to support large depth-of-cut operations (up to 5mm), and to provide a wiper edge for roughing and finishing, even in small machining centers.

This state-of-the-art cutting tool offers a convex helical edge design to reduce cutting forces during initial workpiece contact. The MFH is ideal for a wide application range including face milling and shouldering, slotting, ramping, helical milling and plunging. The MFH is Kyocera's first high-feed milling tool, and is being introduced in response to heavy market demand. It rounds out Kyocera's comprehensive product line of cutting tools to meet diverse manufacturing challenges.

Inserts for the MFH come in new grades for difficult-to-cut materials, providing stability to help prevent insert fracturing and ensure high-efficiency machining.

The CA6535 insert is ideal for Ni-base heat-resistant alloys and martensitic stainless steel. It provides high heat- and wear-resistance with improved stability through the use of Kyocera's thin-film CVD coating technology.

Contact:

Kyocera Fineceramics GmbH
Daniela Faust
Manager Corporate Communications
Hammfelddamm 6
41460 Neuss
Germany
Tel.: +49 2131/16 37 - 188
Fax: +49 2131/16 37 - 150
Mobil: +49 175/7275706
daniela.faust@kyocera.de
www.kyocera.eu

Grayling Düsseldorf
Jan Leder, Anne Beringer
Rather Str. 49d
40476 Düsseldorf
Germany
Tel.: +49 211/96 485 - 41/ - 48
Fax: +49 211/96 485 - 45
jan.leder@grayling.com
anne.beringer@grayling.com

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The PR1535 insert is ideal for titanium alloys and precipitation-hardened stainless steel. Kyocera's proprietary MEGACOAT NANO coating technology gives these inserts improved stability and longer tool life in milling applications.

The MFH Face Mill and Endmill both offer coolant holes for use in machining high-temperature alloys or improving surface roughness.

For more information about Kyocera: www.kyocera.eu

About Kyocera

Headquartered in Kyoto, Japan, Kyocera Corporation is one of the world's leading manufacturers of fine ceramic components for the technology industry. The strategically important divisions in the Kyocera Group, which is comprised of 230 subsidiaries (as of April 1, 2014), are information and communications technologies, products which increase quality of life, and environmentally friendly products. The technology group is also one of the largest producers of solar energy systems worldwide, with more than 5 gigawatts of solar power having been installed around the world to date.

The company is ranked #531 on *Forbes* magazine's 2014 "Global 2000" listing of the world's largest publicly traded companies.

With a global workforce of about 70,000 employees, Kyocera posted net sales of approximately €10.19 billion in fiscal year 2013/2014. The products marketed by the company in Europe include laser printers, digital copying systems, microelectronic components, finceramic products and complete solar power systems. The Kyocera Group has two independent companies in the Federal Republic of Germany: Kyocera Finceramics GmbH in Neuss and Esslingen and Kyocera Document Solutions in Meerbusch.

The company also takes an active interest in cultural affairs. The Kyoto Prize, a prominent international award, is presented each year by the Inamori Foundation — established by Kyocera founder Dr. Kazuo Inamori — to individuals and groups worldwide who have contributed significantly to the scientific, cultural, and spiritual betterment of humankind (converted at present €362,000 per prize category).

Contact:

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Daniela Faust
Manager Corporate Communications
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Germany
Tel.: +49 2131/16 37 - 188
Fax: +49 2131/16 37 - 150
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Jan Leder, Anne Beringer
Rather Str. 49d
40476 Düsseldorf
Germany
Tel.: +49 211/96 485 - 41/ - 48
Fax: +49 211/96 485 - 45
jan.leder@grayling.com
anne.beringer@grayling.com