Tangential cutters are new face of heavy milling

A new range of tangential face milling cutters and inserts for heavy roughing has been launched by Dormer Pramet.

An important addition to Pramet brand’s wide assortment of milling products for heavy machining, the tangential mounting of the new robust double-sided inserts ensures rigid clamping. This results in good impact strength and cost efficient machining due to both high feed and cutting depth capabilities.

For use on Pramet’s S60LN15C cutter, with a 60° approach angle, the tangential inserts LNEX are suitable for face milling of cast iron and steel in heavy machining conditions.

Tomasz Cymorek, international application engineer at Dormer Pramet, said: “Construction of the tangential milling cutter ensures the stable clamping of the inserts, while its mounting means the cutting force is along each insert’s thickest, strongest axis. This helps to withstand greater forces and gives us at least 30 per cent higher tool life in heavy conditions compared with the radial option.

“Our new range of inserts will be suitable for large work-pieces on big castings and forgings for, in particular, the power and marine industries.”

To support the new range of cutters, Pramet has developed the M and KR chipbreakers.

M has a positive geometry for standard work-pieces and promotes low cutting forces. Chipbreaker KR has a more negative geometry for hard work-pieces and is the first-choice for heavy cutting conditions.

The inserts have been produced using the new grades M5326, M8326 and M8346, which were developed specially for heavy milling to offer additional durability. Pramet launched the grades in November 2014,

Meanwhile, Pramet now has a complete range of ADMX16 inserts for productive 90° shoulder milling. From 1 April, it is adding five new radii (0.4mm - 5.0mm) and a new ADEX insert with HF geometry for high feed machining.

ADMX16 offers a universal solution for machining steel, stainless steel, cast iron, copper and aluminium.

The inserts’ highly positive geometry allows low cutting forces for durability and reliability. Its optimised shape ensures ADMX16 provides a smoother operation and successful chip evacuation, leading to a quality machined surface finish.

Dormer Pramet’s introduction of the milling ranges form part of a wider product launch on 1 April 2015 – the first combined unveiling since Dormer and Pramet merged last year.

An overview of all the new Pramet ranges is included in the latest new product brochure, which is available to order from your local Dormer Pramet sales office.
For more information go to www.dormerpramet.com or contact your local Dormer Pramet sales office.

Pramet is a product brand within Dormer Pramet.

ENDS

Pictured: Dormer Pramet’s new tangential milling cutters.

Notes to editors:
The merger of round tools manufacturer Dormer Tools and cemented carbide tooling specialist Pramet Tools was instigated in 2014. The combined product programme now encompasses a comprehensive range of rotary and indexable drilling, milling, threading and turning tools for the general engineering sector. An expanded sales and technical support service extends to over 30 offices serving more than 100 markets worldwide. These are supported by state-of-the-art production facilities in Europe and South America and a global distribution network consisting of five strategically placed hubs.

Issued by:
Dormer Pramet
Unit 4 Lindrick Way
Barlborough
Chesterfield
S43 4XE
Tel: 0870 850 4466
www.dormerpramet.com

Contact:
Simon Winstanley
Content Manager, Dormer Pramet
E-mail: simon.winstanley@dormertools.com
Tel: +44 (0)7860 685087