

Press Release

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Three cutting edges set to impress with more cutting power

You can have the best of both worlds when it comes to performance drilling now that WNT has combined the best of its WTX - Feed and WTX - Change drilling systems into one high performance drilling system. WTX – Change Feed is a three-flute drilling system with interchangeable carbide drill heads, capable of achieving higher cutting data in the most challenging of applications.

The system will deliver improved cutting data with feed rates between 50 – 100 per cent higher than conventional drilling, with the additional benefit of improved process security thanks to the combination of cutting geometry design, drill body material and the use of the proven Ti 750 tool coating. “With the WTX – Change Feed system we have created what we believe to be the world’s first three-edged exchangeable head drilling system on the market. Through extensive product development and the use of high-quality materials we have created a drill that boasts universal application options combined with long service life,” says Tony Pennington, UK & Ireland Managing Director.

Available between 14 and 32 mm diameter in 0.1 mm increment as well as two standard flute lengths of 3-times and 5-times diameter, all with through tool coolant as standard, with carbide grade suitable for universal applications in steel and cast iron. The innovative point thinning and self-centring chisel edge on the drill geometry ensure accurate positioning, even on angled surfaces up to 6 degrees and in intermittent cutting applications. Performance gains due to the combination of material, design and coating are significant. For example, drilling 18 mm diameter, 90 mm deep in 42CrMo4 steel the WTX -

The WNT Group is a sales organisation supplying precision cutting tools to the metalcutting industry. TOTAL TOOLING = QUALITY x SERVICE² - this is the formula for total customer satisfaction. Through optimal service and an unbeatable product quality WNT is the ideal purchasing solution for the metal cutting industry.



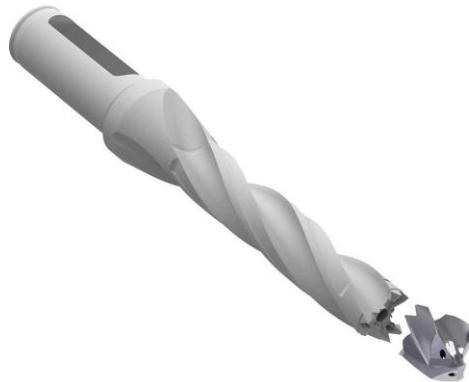
WNT is successfully represented internationally in 18 countries and has its headquarters in Germany. It is part of an international group of companies with more than 5,300 employees worldwide.

For more information about the company, please visit www.wnt.com

Change Feed drill operated at 90 m/min at a federate of 0.55 mm/rev, equivalent to 876 mm/min. In comparison a competitor drill with two flutes while running at a higher surface speed, was only capable of 0.34 mm/rev, or 662 mm/min. The result was that the 400 holes required were machined in 41 minutes using the WTX – Change Feed drill, compared to 55 minutes for its nearest competitor. It is a similar story with tool life, with WNT's WTX – Change Feed system achieving 145 minutes of drilling time, while competitor one achieved 89 minutes (-39 per cent) and another competitor drill managing just 72 minutes (-50 per cent).

A video highlighting the performance and key benefits of WNT's WTX – Change Feed drill can be viewed here: <http://bit.ly/2zzZenx>

Attachments:



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