

PRESS RELEASE

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MWC 3580

MACH 2012 - NEC BIRMINGHAM

16-20 APRIL 2012

HALL: 5

STAND: 5646

Tooling

LATEST GUNDRILL TECHNOLOGY FROM MOLLART GIVES UP TO 800% FASTER CUTTING RATES

The latest single-lip, solid carbide gundrill development from deep hole drilling tooling specialist Botek is to be launched on the Mollart Engineering stand (5646) at MACH 2012 that can be run at penetration rates up to 800 per cent faster than conventional drills. The new gundrills can be used in machining centres and lathes fitted with through-tool coolant supply and low pressure air/oil mist (MQL) systems as well as special purpose gundrilling machines.

The Botek Typ 113-HP gundrill is able to provide high performance, high accuracy drilling of holes between 0.7 mm and 12 mm diameter with a depth-to-diameter ratio of up to 80:1.

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The tools will perform high penetration rate drilling over a wide range of materials from aluminium to high strength steels. Each tool is coated, has a special nose grind and highly polished flute with a kidney-shaped coolant channel to ensure maximum evacuation of chips from the cutting zone.

Recent trials on 42CrMo4 steel producing a 5 mm diameter hole by 100 mm deep, the Botek drill was run at 70 m/min with a feed rate of 800 mm/min. A further 50CrMo4 steel component was drilled using a coolant pressure of 140 bar and penetrated with a 3 mm diameter drill to a depth of 95 mm at 80 m/min with a feed rate of 950 mm/min. To demonstrate its ability in drilling an aluminium component with a 7 mm diameter hole to a depth of 210 mm, the machine was run at 150 m/min using an emulsion at 80 bar pressure with a feed rate of 1,700 mm/min.

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With compliments:

Mike Wildish
Wildish Communications Ltd
36 New Road
Chatham
Kent ME4 4QR