



PRESS RELEASE No. 5702

August 2006

Press Contact: Tom Moriarty

Tel: 01442 843 000

tom@thomas-moriarty.com

Water Jet Sweden introduce the new standard 5-axis profiler

The phenomenal growth in the use of waterjet cutting and profiling technology marches on with the introduction now of the first standard 5-axis machine from Water Jet Sweden.

First introduced for sheet metal cutting, the growth in the application of waterjet cutting technology has been nothing short of spectacular across such a diverse spectrum of applications in manufacturing from solid steel, including titanium, to plastics, glass, marble, flooring, alloys, even wood, etc.

The new machine will extend the applications of waterjet cutting technology even further as it opens up the way to three-dimensional cutting of components at a single setting.

The multi-head machine is capable also of cutting intricate shapes to extremely tight tolerances, such as the alloy support ribs for aircraft wings.

State-of-the-art CNC System

In order to be truly effective and highly reliable, a five-axis machine must be driven by a first rate CNC system and, in this respect, Water Jet Sweden's close collaboration with GE Fanuc has provided the

answer. By adopting GE Fanuc's five-axis 300i nano-seconds CNC system, with its open architecture, together with a mix of GE Fanuc's robust Alpha *i* and Beta *i*-series servos, WJS is offering what it believes is the best possible machine/control combination.

The horizontal positioning along the X-axis (across the bed) and along the Y-axis continues to be provided by Fanuc Alpha *i* -Series servomotors using traditional ball screw mechanisms. The height of the nozzle outlet above the material being cut (the Z-axis) is by Beta *i* servos. All are powered by GE Fanuc servo amplifiers.

Round-the-clock production

Says WJS managing director, Lennart Svensson, "We are now using GE Fanuc CNCs and drives to control accuracy and ensure the ultra-reliability that can enable 24hr production with confidence. Our customers see the purchase of these machines as a long-term investment in quality".

- END -

Editor's note

The first Water Jet Sweden AB plant built only 12 years ago at Ronneby, Sweden, has established itself as the leading source worldwide of the ultimate in accuracy in water jet cutting technology, hence its rapid growth to a supplier of standard and custom-built machines around the world, including Russia and China. The company will double its output capacity with the start-up in November 2006 of a second plant and a new show room alongside the existing facility on the Ronneby site in southern Sweden. Production of the new plant will even exceed that of the existing plant as a result of the introduction of new, more advanced manufacturing technology.

In Europe, in addition to Germany, two new subsidiary companies recently have been established: WJS UK Ltd, United Kingdom, and Water Jet Polska, Poland.

The text of this release and a high-resolution photograph can be taken from the CD enclosed or on request.

For further information:

Chris Baker
Managing Director
WJS UK Ltd
Moat House Square
Thorp Arch
Wetherby
West Yorkshire LS23 7BJ
Tel: +44 (0) 1937 845 499
Fax: +44 (0) 7092 860 980
e-mail: info@waterjetSweden.com

Issued by and press contact:
Tom Moriarty
Thomas Moriarty International Ltd
Springwood House,
Ringshall
Berkhamsted
Herts. HP4 1ND
Tel: +44 (0) 1442 843000
Fax: +44 (0) 1442 843666
e-mail: tom@thomas-moriarty.com

PHOTOGRAPH ENCLOSED ON CD



Picture shows one of the new super-accurate 5-axis Water Jet Sweden NC 3520 S cutting machines.