Press Release

MAKINO and SYNOVA Inaugurate New Laser MicroJet Demo Center in Atsugi, Japan

New demo facility at Makino will be set up immediately after the JIMTOF show, with three MCS machines, 3- and 3+2-axis

TOKYO, Japan, October 3, 2014 – Synova, the world pioneer and patent holder of the water jet-guided laser technology, announced a new milestone in its strategic cooperation with Makino today: the opening of a new Laser MicroJet® (LMJ) demo center located in the building of the Makino Atsugi Factory. Representing Synova's largest demo facility up to now, three LMJ systems will be available for demonstrating the technology and showing the capabilities of the machine. These LMJ systems, all based on Synova's patented Laser MicroJet technology, consist of two MCS 300 machines with 3 axes and one MCS machine with simultaneous 5 axes function specially designed for 3D-machining needs.

An important application area of Synova's Laser MicroJet is precision metal cutting used in various industries, such as consumer goods, electronics, aerospace, watchmaking, automotive, tooling or medical. Contrary to results achieved by conventional lasers, Synova's LMJ approach offers a less aggressive cutting process without causing heat damage, micro-cracks and burr formations that can weaken the material's fracture strength. Notably, since the LMJ produces damage-free edges, it eliminates the need for extra processing steps, such as etching, grinding or cleaning and therefore reducing manufacturing costs. In addition, the technology's "wet" approach expels contaminants from the work piece surface, thereby increasing quality and efficiency.

On January 1st, 2012 Tokyo-based Makino Milling Machine Co. Ltd. and Synova SA entered into an agreement for the manufacture of Laser MicroJet machines based on Makino machine technology. The commercialization of the new LMJ machines has started in Japan with subsequent worldwide distribution through Synova's sales network. In the meantime, two models have been designed and commercialized, the MCS 300 with 3 axes and subsequently the MCS 500 with 3+2 axes, especially adapted to drilling of turbine blades. A third model is in preparation, the MCS 150 with simultaneous 5 axes for machining of diamond tools.

Bernold Richerzhagen, Synova's President and Chief Executive Officer, commented on this announcement: "This new demo center located in the main building of Makino's major manufacturing plant in Atsugi will provide Synova with a unique opportunity to improve market visibility and penetration of the LMJ technology in Japan and in Asia. This milestone in Synova's

history not only represents an important opportunity for the company, but it's also a testament to Synova's imminent success in the industrial markets."

Makino's Laser MicroJet systems can be flexibly incorporated into the production line as either a standalone system or integrated into existing production lines. The LMJ systems built by Makino can be custom configured with automation and handling according to individual needs.

Dr. Bernold Richerzhagen, CEO & President of Synova is confident that the new demo center will result in an increased interest for the LMJ machines in Makino's machine platform.

For more information about this announcement and/or Synova's presence in the metal machining market, please contact Yasushi Kozuki at kozuki@synova.co.jp or +81-3-3725-6778.
SYNOVA JAPAN will exhibit at the upcoming JIMTOF 2014 at the booth E1030.

About Makino
Makino is one of the world-top-ranked machine tool suppliers with manufacturing, sales and service facilities all over the world. http://www.makino.com

About Synova
Founded in 1997, Synova is the world pioneer and patent holder of the Laser MicroJet®, a state-of-the-art water jet-guided laser technology that combines the advantages of a laser beam and water to address the exacting manufacturing specifications and low cost-of-ownership requirements associated with volume production of metal components, ceramics, diamonds and semiconductors for various industries. Thanks to this innovative technology, Synova is revolutionizing the engineering playing field and is quickly emerging as the ideal provider for high-precision laser applications in these core markets. Additionally, Synova is satisfying the growing demand across diverse markets through strategic licensing partnerships with original equipment manufacturers (OEMs). Headquartered in Lausanne, Switzerland, Synova is a privately held company with subsidiaries located in India, South Korea, Japan and the United States. Additional information about the company is available on the Internet at http://*www.synova.ch*

Laser MicroJet is a registered trademark of Synova.

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