

PRESS RELEASE 4

AMADA HG-1003 ATC: A press brake with automatic tool changer

Trailblazing technology for constructing prototypes and production of small batches

Increasingly, the sheet metal working industry is confronted with the demand for a wide range of variant parts and the associated short runs. AMADA leads the way in meeting this challenge with an HG series press brake fitted with an automatic tool changer.

Users in the sheet metal working industry are increasingly confronted by this challenge: The parts to be manufactured are becoming more specific, the number of part variants is growing and run sizes are shrinking. For the machine manufacturer AMADA, the first step in meeting such requirements is to engage with its customers. Feedback has confirmed that due to today's production requirements, the proportion of time devoted to productive bending operations can sometimes be less than 50 percent. The remaining time is spent on machine setup operations. AMADA demonstrates how to avoid this problem with an innovative exhibit at Blechexpo 2013: An HG-1003 servohydraulic press brake was fitted with the ATC automatic tool changer. The resulting HG-1003 ATC machine makes it possible to produce even tiny batch sizes of less than ten economically.

Experience driving technology

The automatic tool changer ATC is a unique development with which AMADA is making pioneering strides on the global market. Nonetheless, the company has many years of experience with this technology – thanks to the tried-and-tested use of automatic tool changing systems in the ASTRO series of bending cells. The AMADA HG-1003 ATC on show at the Hanover trade fair is a production solution intended for fabricators that frequently have to bend small part runs as well as customers specializing in the manufacture of prototypes and samples. Furthermore, a press brake equipped with ATC represents an ideal extension to any existing machine pool and allows suppliers to complement their inhouse range with services catering for low-volume runs.

System with plenty to spare

The ATC offers outstanding versatility coupled with enormous capacity. The tool changing system possesses 18 magazines for dies and 15 for punches. Each of these magazines can accommodate tools of up to 800 millimeters in length.

Blechexpo 2013 provides a vivid live demonstration of the advantages of the automatic tool changer in combination with the precision and ease of use of the new AMADA HG series. The system on show is equipped for instance with an electrically driven, traveling foot pedal which always moves to the press beam position where the operator will need it for the next bending operation.

approx. 2,700 characters

Illustration



The AMADA HG-1003 ATC stands for economic sheet metal working irrespective of run sizes.

Photo credit: AMADA GmbH

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About AMADA GmbH

The AMADA Group is one of the world's leading manufacturers of sheet metal working machines. AMADA GmbH offers a comprehensive range of cutting, bending, punching and laser technologies. The portfolio is complemented by modular automation components, software applications and a wide range of tools. In addition, AMADA offers its customers a wide variety of additional services. The AMADA Group was founded in 1946 in Japan by Isamu Amada. The German subsidiary AMADA GmbH has been operating since 1973.