



“Automatic tool changes give BR Metal five more bending hours per day and guaranteed repeatability.”

— Boyd Dittmer, President
BR Metal Technology, Inc.



Boyd Dittmer, President (front)
and Rick Dittmer, Vice President
BR Metal Technology, Inc.



The ATC is capable of storing more than 86 ft. (26.4m) of tooling. Tool changes are performed with unprecedented speed and accuracy.

Eliminated:

SETUP. TEST BENDS. BOTTLENECKS.

Incorporated in 1987 by co-owners Boyd and Rick Dittmer, BR Metal Technology, Inc. (Menomonee Falls, WI) is a privately-held, family-owned business. As third generation metal fabricators, Boyd and Rick set out to acquire a team of skilled professionals and state-of-the-art equipment capable of producing high quality, custom-made metal components and prototypes — better, faster and more cost-effective than their competitors. Achieving that goal required partnering with a global leader capable of providing innovative precision equipment, custom-engineered solutions and leading-edge metal fabrication techniques — precisely why BR Metal Technology partnered with Amada. With that decision in mind, Boyd Dittmer, President of BR Metal states, “We wanted to partner with a company to improve our productivity and accuracy — Amada’s HD-ATC with automatic tool changer ensures precise, repeatable results while eliminating time-consuming setup and costly test bends.”

Amada’s HD-ATC provides unmatched flexibility and productivity:

- **Automatic Tool Changes** (The system’s four-axis manipulator quickly and precisely selects and places punches and dies from the tool magazine — avoiding delays typically associated with manual tool changes).
- **Bend Indicator Technology** (High-speed, high-precision bending sensors eliminate test bends while boosting bending repeatability and reducing QA inspection and rework).
- **Consistent Accuracy** (The HD’s intelligent control digitizes the bending process and delivers highly-efficient offline programming. The AMNC/PC control is also equipped with an integrated bar code scanner that provides simplified and immediate retrieval of stored programs).
- **Maximum Efficiency** (Ideal for prototyping — jobs that used to require 2 weeks with up to 20 parts per prototype, are now produced in 2 days with unparalleled accuracy).
- **Process Range Expansion** (Large open height allows for a variety of part geometries to be formed).
- **Improved Quality** (HD — Hybrid Drive system maintains a high repeatability rate of $\pm .00004$ ”).

Reflecting on his partnership with Amada, Dittmer states, “The HD-ATC has radically changed our bending process. Setups no longer require 30 minutes to an hour. Now, we are ready to produce consistent accuracy in 2 minutes or less. Thanks to Amada, we’re producing products at lower cost with speed and quality that are second to none.”



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