



Manuel Teschera, General Manager (left) & Tony Corrales, Owner and Founder of Cortec Precision Manufacturing.



# Production Empowered.

“The HD ATC reduces setup times from hours to a matter of minutes. Seriously.”

— Manuel Teschera, General Manager  
Cortec Precision Manufacturing

The Automatic Tool Changer (ATC) is equipped with 18 magazines for dies and 15 for punches.



## Amada provided the optimal solution for high-mix, low-volume production.

Since its inception in 1975, Cortec Precision Manufacturing (a family owned and operated company) has sought to provide the highest quality product for its customers. Faced with ever-increasing demands for high-mix, low-volume runs of complex parts, Cortec turned to Amada.

Today, Cortec is a premier manufacturing company with locations in San Jose, CA and Round Rock, TX. General Manager, Manuel Teschera, comments on the company's success: "By partnering with Amada and investing in state-of-the-art technology, Cortec has improved efficiency by 60%. Our recently acquired HD ATC press brake automates tooling setup. A set of parts for a specific chassis assembly took 1 1/2 weeks to form on conventional brakes. Now, with the HD ATC, the job is complete in less than 2 days."

In their laser department, Cortec added Amada's FOM2 RI laser cutting system with an integrated Rotary Index — providing the capability to switch from flat sheet cutting to tube cutting in 2 minutes or less. Teschera comments on the benefits of this versatile laser: "The FOM2 RI allows us to simplify very complex weld assemblies and eliminate the need for sawing, drilling and machining... reducing hours of work to minutes."



The Rotary Index on the FOM2 RI is located on one of three shuttle pallets — making it extremely easy and fast to switch from flat sheet cutting to tube or pipe cutting.

## Amada's state-of-the-art equipment ensures:

- **Maximum Productivity** (Automated tooling setup provided by the HD ATC eliminates costly delays associated with conventional tool changes. The FOM2 RI is equipped with high-speed shuttle tables and an automatic nozzle changer to provide for continuous, unattended operation).
- **Unmatched Precision** (The HD ATC's 4-axis manipulator precisely selects and places punches and dies. Its 6-axis backgauge ensures unprecedented positioning repeatability of  $\pm 0.0001$ ". The Rotary Index on the FOM2 is an integrated unit allowing bowed pipe or tubing to be cut without vibration while maintaining accuracy from end to end).
- **Maximum Flexibility** (The combined forces of a servohydraulic press brake and an Automatic Tool Changer make the HD ATC the optimal high-mix, low-volume bending solution. The FOM2 RI can process round, square, rectangle, C-channel, and angle iron — making it the most versatile Rotary Index laser cutting system available).



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