

Tella Tool Stamps Quality with Minster E2H

The Tella Tool and Manufacturing Co. is a leading custom job shop with state-of-the-art capabilities that include tooling, stamping, fabricating and machining. With manufacturing facilities in Lombard, IL. and Brownsville, TX., Tella Tool provides precision metal working for a wide variety of industries, including aerospace, telecommunication, computer and automotive.

Tella Tool recently “raised the roof” at the Lombard facility for its latest acquisition in manufacturing technology -- a Minster E2H-600 press. To make room for the press a section of the roof was removed and eventually replaced with a vaulted skylight.

“With the emphasis we put on quality, the Minster E2H press was a very good fit for us,” Tella Tool Vice President Louis Mautone said. “We have a zero defect mentality, and to get a good part we have to have good equipment, good dies and a good press.”



A Minster E2H-600 press, designed for increased energy at higher operating speeds with larger upright openings and reduced deflections, has improved productivity and part quality at Tella Tool and Manufacturing. The E2H press at Tella Tool is equipped with an integrated coil line featuring a Minster coil car and reel, straightener, thread table and feed.

To help ensure part quality, Tella Tool has developed an in-die vision system, which is integrated with the press controls, and visually inspects parts as they are being produced.

Plant Manager John Kaikis said one of the more beneficial features of the Minster E2H press is its lower deflection.

“We deal with some high tonnage embosses and some high strength material,” he said. “That’s where we can see how the lower deflection really pays off in part quality.”

“The rigidity of the Minsters is impressive, and we get great repeatability,” Kaikis added. “I’m also impressed with the Minster press controls. They are very user-friendly and allow for a lot of production-increasing integration.”



The Tella Tool and Manufacturing Corporate Headquarters and manufacturing facility located in Lombard, Illinois.

In addition to improved part quality, the Minster E2H press has contributed to Tella Tool's bottom line.

“With the increased speeds we get from the Minster press, we are able to realize more profit and more cost reduction for our customers,” Mautone said. “Before we purchased the Minster we were running two shifts for certain

applications. Now we have been able to eliminate a shift without any reduction in productivity.”

“We get more press hours on the Minster than any other machine,” Kaikis added. “We’ve doubled the output of most of the jobs we run on the Minster.”

The E2H-600 at Tella Tool includes a complete Minster Coil line with a coil car and reel capable of pre-staging larger coils, an integrated hydraulic straightener, thread table and feed.

“It’s a very integrated system, and for what we’re doing it has worked well.” Kaikis said.

Tella Tool designs and builds tooling for jobs in and out of house. Along with machining and fabrication the company also offers engineering, prototyping and assembly. For additional information, visit Tella Tool online at www.tellatool.com.



A small sampling of some of the many stamped parts produced by Tella Tool and Manufacturing, which also offers fabrication and machining.