

STEINER: OIL MANUFACTURING CASE STUDY

Highlights

Goal: To reduce time, and maintain quality machining of internal seat pockets on large gate valves.

Solution: A Steiner Autofacer® – an automatic back spotfacing tool – was utilized to rough-machine the seat pocket. Plus a Steiner Autofacer® with an adjustable master holder was used to finish-machine the seat pocket bore.

Result: Steiner provided a high quality, custom tooling solution for the customer, resulting in a significant savings in time and therefore, money. This particular application utilized a back spotfacing tool only. Steiner has several other similar applications for gate valve seat pockets that combine front and back facing tools for equally impressive results.

Customer profile:**Quality Oil Tools, Inc.**

www.qualityoiltools.com

Founded in 2002, Quality Tools Inc. is a private company located in Jennings, LA. Quality Oil Tools, Inc.'s line of business is manufacturing valves/pipe fittings for the oil/gas field machinery.

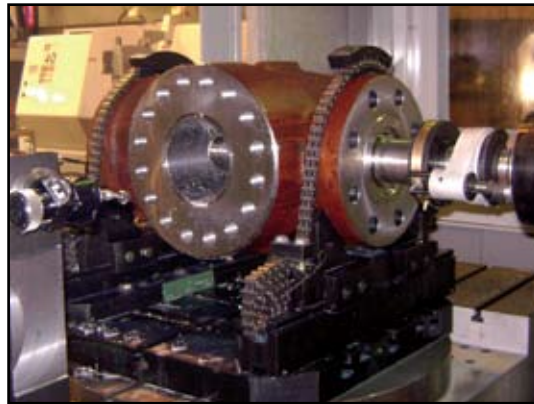
Headquarters:

Jennings, Louisiana

Industry:

Mfg Valves/Pipe Fittings Mfg Oil/ Gas Field Machinery

Quality Oil Tools, Inc. Cuts Machining Time by 95% With Autofacer® Technology



Louisiana based Quality Oil Tools, Inc., like many machining companies, is feeling the demand from the oil industry to deliver quality machine parts on time.

The particular challenges that this application presented were a request for a 32 finish with a finish bore requirement of 4.9355+/- .003". Also, the tool needed to reach thru the part 11". Importantly, Quality Oil Tools previously machined this feature on a standard manual lathe with a cycle

time of approximately 1 hour per pocket. Now, the same part runs on a horizontal boring mill, with an Autofacer®, that takes them 3 minutes per seat pocket.

The Challenge for Quality Oil Tools

Quality Oil Tools confronts the same challenges faced by machining companies across the country – how to contain costs, sustain quality, while improving customer relationships. They found Steiner's engineered back spotfacing technology a critical asset in meeting those challenges.

Quality Oil Tools chooses Steiner

Quality Oil Tools recognized that its core competency is machining and that Steiner could provide added value through custom engineered metal cutting solutions. Quality Tools decided to integrate Steiner's Autofacer® and back spotfacing technology. They made this decision based on Steiner's proven track record, experience in engineering solutions and overall knowledge on integrating back spotfacing technology into gate valve manufacturing.

Steiner Technologies, Inc., a worldwide leader in engineered metal cutting tools and the exclusive North American source of H. Bilz high performance metal cutting tools, offers more than 50 years of experience in CNC tooling innovation. The company provides a complete line of manufacturing products from its headquarters in Fairport, NY. Steiner offers unmatched levels of technology and support on a global basis with sales, engineering, and service throughout North America, and Europe.

STEINER
TECHNOLOGIES
Engineered Metal Cutting Tools
180 Perinton Parkway
Fairport, New York 14450

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