

Cutting Edge Technology at the Forefront of American Manufacturer's Success



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**DUBUQUE
SCREW PRODUCTS**
WORLD-CLASS PRECISION MACHINING

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1946



2018

Dubuque Screw Products (DSP) has had a 70-Year Journey to World-Class Precision Machining. Established in 1946 as a screw machine job shop, Dubuque Screw Products was built on a solid foundation that combined proud machining talent, sound business philosophy, and a commitment to customer service.

Eli continued to explain a particular application that requires special attention to detail:

"We have a family of parts with a 0.0005" tolerance diameter that utilizes an off center Micro-Centric collet chuck to transfer the parts from the main to sub spindle at a 2.5 degree angle; machining it on the Eurotech Trofeo, we are able to hold tolerance, increase tool life, and maintain accuracy for large quantity runs."

The above mentioned family of parts will have 90 to 150 second cycle time, depending on the part, and DSP machines a minimum of 5,000 each month. "Machining these parts on the Tro-

DSP is in its third generation. Robert Scherr started Dubuque Screw Products and eventually his son, Mike, continued to grow the company. Mike retired in 2016 and his three sons Matt, Dan and Bill continue the DSP legacy.

With a diverse customer base that includes more than 100 open accounts in multiple industries, DSP is always looking to the future. Eighty percent of their machines are less than six years old; and in order to enhance the customer experience they are always looking for the latest technology for their manufacturing needs.

"We needed to replace a twin turret, twin spindle live tool lathe. We were impressed with the Eurotech team as well as the support we received from the local distributor, Stone Machinery," said Eli Johnsrud of DSP.

DSP decided to invest in Eurotech's B465-SY2 Trofeo machine. This machine is a 10-axis multi-turret bar turn/mill center.

"Initially we liked the axis shifting sub spindle feature and this definitely factored into our decision. While the speed of the machine factored into it, we were ultimately surprised at the huge difference in cycle time and accuracy this machine made on a number of part families," said Eli.



feo also drastically improved our tool life and PPH," said Eli.

DSP is fully equipped to serve numerous industries. At the forefront of technology, their facility is designed to provide maximum flexibility and growth.



Eurotech Trofeo machine and operator at DSP. *"Machining parts on the Eurotech Trofeo, allows us to hold tighter tolerances, increases tool life, and helps maintain accuracy for high quantity jobs."*

Watch video of a custom knight chess piece being machined complete in one operation on DSP's Eurotech B465-SY2. <https://www.youtube.com/watch?v=frFfJPedroU&feature=youtu.be>