



PREMIER INDUSTRIES UPGRADES THEIR MANUFACTURING PROCESS TO **ONE & DONE!**

Premier Industries was established in 1995 as a designer and manufacturer of proprietary specialty gas and hydraulic regulators, valves, and systems, which now service a diverse market worldwide. They offer a standard product line, alongside custom engineering to meet the demands of a broad client base, and are continually adding new technology and processes to meet the evolving needs of the market.

The Challenge

The Premier team of engineers has over 100 years of regulator design experience and a history of innovative technology and low manufacturing overhead. However, they were facing a manufacturing challenge as Joe Haselbauer, Production Supervisor of Premier, explains, “We hit a big bump in the road in our manufacturing process; we realized that we needed

to cut down our cycle times and find more reliable machines. All of our products are designed, manufactured, assembled, and tested right here in Blaine, Minnesota; we are truly, and proudly American made and we will keep it that way.”

Premier Industries has always been low on manufacturing overhead, which enables them to give customers very competitive prices and quick turn around on custom designs, so it was important to find very reliable machines but also machines that would be fast.

As a vertically integrated company, Premier has the unique ability and means to produce quality products from concept to completion, so it’s not surprising they were interested in finding the fastest turn/mill products on the market.

The Solution

Their research led them to Eurotech.

“After a demo with Eurotech we realized these machines were faster and more reliable than anything we had seen, especially with bar work.”

“We barfeed 2 3/4” 316L stainless for some of our larger parts on the Eurotech B465-SY2. This machine handles the large stock with great repeatability and reliability. The challenges of this part, i.e., large diameter, tough material and tight tolerances are no longer challenges.”

“The Eurotech’s have been awesome, we got the speed and accuracy we were looking for; and with Eurotech’s GAP Elimination Software, we have better control of the machine within the program and faster operation; plus, we have greater profit margins and increased throughput. Another bonus is the Eurotech team; they have been the best, always available and helpful in solving problems, big and small.”



1 OF THE 5 EUROTECHS TURN/MILL CENTERS AT PREMIER INDUSTRIES

THAT ENABLED THEM TO INCREASE THROUGHPUT AND GAVE THEM A 50-65% CYCLE TIME SAVINGS



**"The Eurotechs are so much faster
that we have sold our other brands of mill-turn machines
and now only run Eurotechs."**



HIGH PRESSURE PART



YOKE STYLE PART



**Black anodized aluminum surface
mount regulator, 2 3/4" diameter, runs
complete on the Eurotech B465-SY2**

The Manufacturing Process

"All our large manufactured parts are made on one of our 5 Eurotechs. Every piece is a one-and-done part made from bar stock. The "high pressure" part pictured above is a 2 3/4" 316L stainless and about 4" tall. The main body uses 22 tools and runs complete on the Eurotech Trofeo in half the total cycle time of using separate lathe and mill operations." - Joe Haselbauer

Joe continued, "The "yoke style" (pictured above) is another major winner for us with the B465-SY2. That part went from 27 minutes of total cycle time between 5 different setups of lathes and mills to one-and-done in 6:40 from bar stock with 33 tools in the machine. The major advantage on that one is being able to run two milling tools at the same time from either side of the part. We can also be very aggressive with our milling tools as the part is still attached to the bar stock

and
we

don't have to worry about it moving in a fixture."

Every part was a cycle time savings when moved to the Eurotech, even compared to other brand twin turret twin spindle machines.

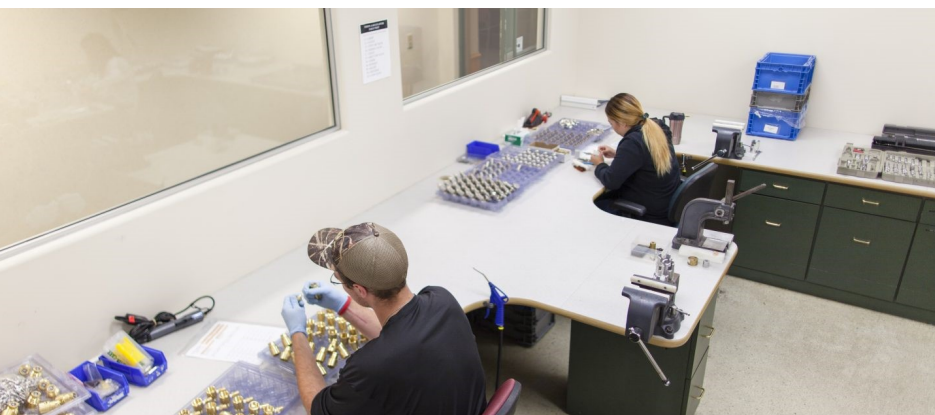


THE EUROTECH TROFEO MODEL B465-Y2

The Eurotechs are so much faster that we have sold our other brands of mill-turn machines and now only run Eurotechs.

-Joe Haselbauer

Alongside their standard product line Premier manufactures a line of specialty torches & tips, which are sold under the National Torch brand name.



For more information, on the Eurotech multi axis products, visit www.eurotechelite.com or for more information on Premier Industries, visit <https://premierind.us/>.