



“ From 4 processes, 3 different machines to 1 process, 1 machine...”

# IMPROVING PRODUCTION BY 52% WITH EUROTECH!

MIR Machining has integrated a machine-specific version of the Capto® Tooling technique, a system for turning and milling which permits the operator to change tools quickly, rather than stopping the machine in order to switch from one tool to another---using the multi-axis Eurotech Elite lathes. When asked why Eurotech, Owner Don Verzi states:

“Nothing on the market really compares with Eurotech’s machines. The machined products we turn out have to be extremely accurate so using Eurotech is just the best way to do business.”



Mr. Marijan Verzi, founder of MIR & his sons Don & Eddy

Verzi continues. We selected the Eurotech because:

- ◆ it has faster ladder logic (not "clogged up" with garbage delays)
- ◆ allows multiple M codes on one program line and indexing on the fly
- ◆ user interface is much better than other machines we have (makes it easier and faster to use)
- ◆ the SBS load monitoring software is much easier to use than other systems we have
- ◆ the fit and finish on the machine is the best in the shop and the sheet metal is heavier duty

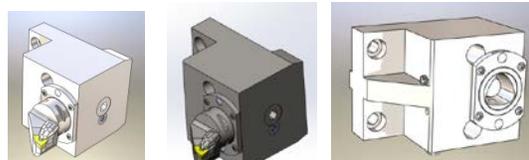
MIR is a successful family business, founded by Verzi’s father in 1990 and now led by Verzi along with his brother Eddy. The firm does contract machine jobs for a diverse

range of clients, with a particular focus in the oil field business. Their integration of Capto Tooling on the Eurotech machines has enabled them to produce a wide variety of precision products for their wide-ranging client base.

The company is currently experiencing a growth phase, and thus building additional holders and multiple stations to augment their facility’s ability to produce accurate tools on a short turnaround schedule for their clients. MIR Machining does turnkey jobs for many tool manufacturers, often mass-producing tools or sets of components, including down-hole completion products and tool sets for multi-stage fracking.



The MIR facility has 26 employees and currently operates eight CNC turning center machines, three



*MIR creates Integrated Capto® Tooling System for Extreme Responsiveness and Rigidity*

*MIR’s unique integration of the Capto® system is a modular quick-change system which allows machinists to change toolholders with less than a half-rotation of a wrench, so that tool changes takes less than 10 seconds. The Capto® system provides 0.0001” repeatability when changing holders and also permits presetting of tools offline. Machinists using the Capto® System are able to save time on insert indexing by changing the tool head versus having the machine stopped while the operator handles the change. With the Capto® system, coolant is plumbed into every tool.*

*Capto® is a registered trademark of Sandvik.*

*← CAD models of CAPTO block specifically tailored for Eurotech machines*

of which are Eurotech Elite models: the B658, B1200 and the B1700. Verzi notes that “One of the biggest challenges for us is finding skilled labor. A lot of people with machining skills are either retiring or approaching retirement age and there’s not a new generation of machinists coming in to replace them. There aren’t many younger people who have skills in turning and milling machines. To counter the effect of the declining numbers of skilled machinists, we have to improve our process and functionality. We need machines good enough which can be operated by personnel who lack in-depth experience and training without sacrificing the accuracy and quality of the finished product. We have found that Eurotech’s machines are well-engineered enough that they can be operated even by less skilled personnel.”

Ricardo of MIR at the Eurotech controls

“The quality of Eurotech products is such that we can bring in a new employee with little expertise and the equipment will compensate for what the operator lacks in terms of skill-set. This is an important advantage for us when we choose our equipment.” – Don Verzi, Owner

At the same time that the pool of skilled machinists is decreasing, Verzi sees the new tooling coming to market requiring even greater accuracy than previously. “You need something really strong and rigid to produce the kind of tools our customers require. At our company, we have found that we can rely on Eurotech to ensure that what we turn out meets the standards of our clients. We run two shifts a day here and our Eurotech machines operate 18 hours a day, turning out accurate tools with no problem.” Verzi has found that Eurotech machines also accomplish more than other similarly sized lathes, resulting in improved production time:

WOW!

“We’ve saved a lot of time on specific components. A product that formerly involved 4 processes on 3 different machines, now takes only one process on one machine because we’re using the Eurotech B1700.”

The president of MIR Machining recalls that in one instance the firm had estimated they could turn out 20 pieces of a particular customer order in a day, but by drawing on the capabilities of Eurotech products, they were able to improve production numbers by 52%.

MIR Machining began using Eurotech products in 2006. Verzi has high praise not only for Eurotech’s equipment, but for the company itself. Asked if he would recommend Eurotech to other machining shops, Verzi laughs and says, “That depends. If it was a competitor, I’d tell them it’s junk so that we could maintain the edge that comes from using Eurotech products.” Calling his three Eurotech models his company’s “most valuable machines,” Verzi sums up his assessment of Eurotech Elite this way:

“Eurotech is really good to deal with. They understand the circumstances and challenges of our business and their support is top-notch. I don’t want to deal with the costs in time and grief of sending out a substandard product, that’s why we work with Eurotech.”



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