

WHEN DYNAMIC METAL TREATING NEEDED A HIGH PRESSURE FURNACE, HE PUT THE PRESSURE ON US

Dynamic Metal Treating, Inc. of Canton Township, Michigan is a leader in surface treatment for the die casting industry. The company has been successfully applying the DYNA-BLUE® process to die cast tooling to increase its wear and corrosion resistance. This process begins with finished, hardened tool steel. When Dynamic decided to broaden its service by taking control of the quality of the hardening operation, company president Loren Epler knew the time had come to shop for a 10-bar vacuum furnace.



Epler was well aware of the NADCA's stringent, new Heat Treating Standard for premium H-13 steel and the necessity of using a 10-bar quench furnace to achieve the new requirements. But which brand was best suited to the challenge? After talking to all the major furnace manufacturers, Epler began asking heat treaters around the country for their recommendations. He heard the name VFS over and over again, much more often than any other.

"The people using 10-bar furnaces every day had so many good things to say about the VFS product," says Epler. "VFS furnaces allow them to control speed, flow direction and other crucial variables throughout the quenching process -- things that directly affect load distortion. No other brand can match these quench control features or offer the user as much flexibility."

Other VFS benefits were cited, including the accessibility of the heat exchanger for easy maintenance and the GraForm curved graphite heating elements for quicker response to heating and cooling than traditional graphite elements.

As a result of Epler's research, Dynamic Metal Treating purchased a VFS 10 bar, horizontal internal quench vacuum furnace. VFS invited Dynamic to participate in the testing of the furnace prior to shipment, as it does with every customer. The sample test bars used in the very first furnace run were sent to an outside lab for analysis. The lab confirmed that the test run was a success and the results met or exceeded the GM and Chrysler specifications for hardening die cast tooling. Epler adds, "Between the reputation VFS has in the industry, the customer training and support, and the innovative features, there's no doubt in my mind that we chose the highest quality furnace out there today."