

# Wix Filters Made With Minster Reliability

Reliability, performance and productivity are three reasons one of the world's largest filtration manufacturers turns to The Minster Machine Company for its material forming needs.

"When it comes right down to it, the Minster presses are reliable with low maintenance and they perform extremely well," said James Russell, Senior Project Engineer for Wix Filtration Products.

A division of the Dana Corporation, Wix has been a world leader in filter products for over one-half of a century. Products manufactured by Wix include oil, air, fuel, cabin interior and hydraulic filters. In addition to its own

brand, Wix also manufactures filters for major aftermarket companies and for some of the world's largest OEMs.

With a diverse line of products, Wix incorporates a variety of Minster presses and material handling equipment to meet the challenges of many different applications.

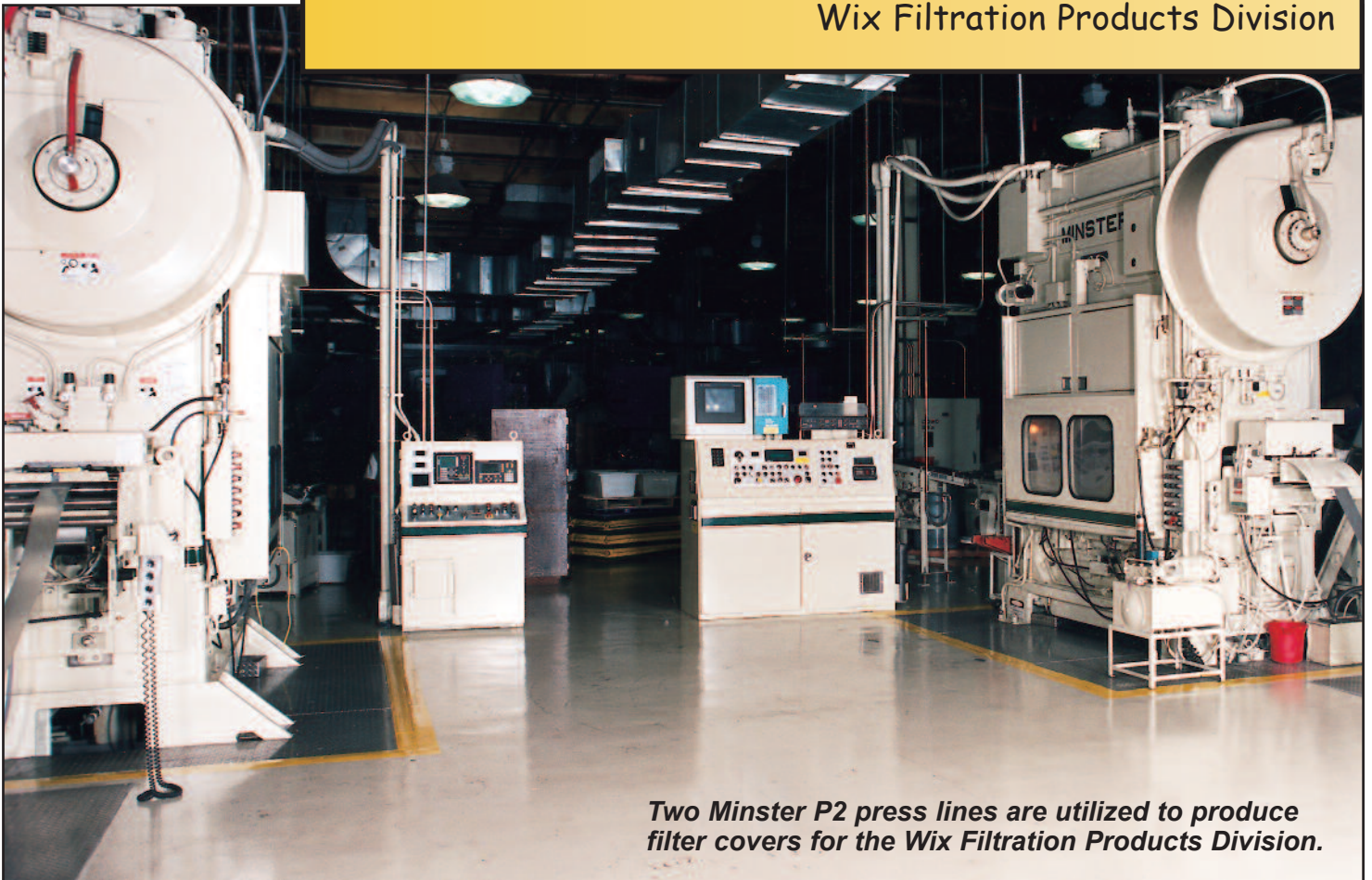
Covers for oil filters are manufactured on systems utilizing Minster Series P2 Presses.

"We make the covers in eight-station progressive dies on the P2s, and we consistently hold two tenths on the interconnections," Russell said. "The parts come out on an automatic liner with a cut edge, not a pinch trim, and we are able to run as fast as the press will run with excellent performance."

The heavy gauge tapping plates for the oil filters are produced on a Minster E2-400 HeviStamper Press. These parts involve heavy

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**William Roper**  
Equipment and Facilities Manager  
Wix Filtration Products Division



**Two Minster P2 press lines are utilized to produce filter covers for the Wix Filtration Products Division.**



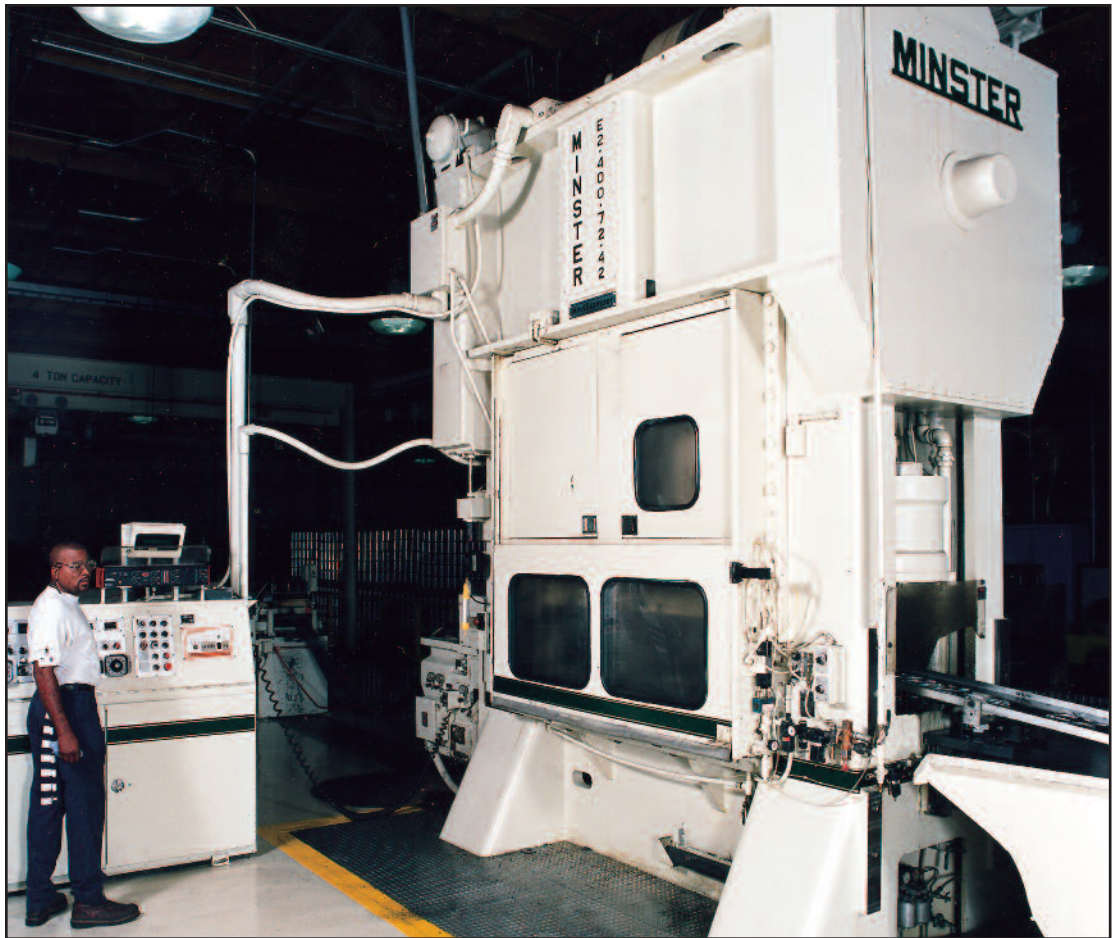
blanking, forming and drawing.

Most recently, Wix installed a Minster Double Action Cupping (DAC) Presses to form the filter shells, which according to Russell, has increased capacity by 40 percent and decreased the cost of production.

“All of our Minster equipment helps us increase production,” Russell said. “The motorized slide adjustment and the Minster Servo feeds help us in our quick die changes, and we use the hydraulic clamping in just about all our Minster presses.”

But for Wix Equipment and Facilities Manager William Roper, the most satisfying attribute of the Minster presses is their durability.

“I don’t get much of an opportunity to talk to any Minster service people,” Mr. Roper said. “When all the presses ever do is run, you don’t need any parts or service. When Jim (Russell) put the Minster presses in here, I went from fighting fires all day to the Maytag Repairman. Now I just sit back and take it easy.”



***This Minster E2-400 press produces tapping plates for Wix oil filters at its manufacturing facility in Gastonia, North Carolina.***

“We rely on the dependability of those presses,” Russell added, “because if we’re down, the backload accumulates in a hurry. With the reliability of the Minster presses we don’t have to carry a lot of costly inventory.”

The knowledge and experience of The Minster Machine Company, which has been in business for over 100 years has also paid off for Wix.

“I have had the reason to call Minster engineers for data on connecting rod lengths to calculate flywheel energy and other issues,” Russell said. “I’ve also worked with Minster’s Applied Research Department regarding some tipping moment issues. They never neglect to share with me the needed information in a timely and courteous manner.”

By continuing to provide innovative solutions to its varied customers, Wix remains a world class supplier of filtration products, and according to Russell, the company continues to evolve with the needs of the industry.

“We’re faced with the need for more and more tighter tolerances on parts.” he said. “And I feel like with the reliability of the Minster presses, we’ll be able to meet our challenges consistently into the future.”



***A sample of the stamped parts and products manufactured by the Wix Filtration Products Division.***