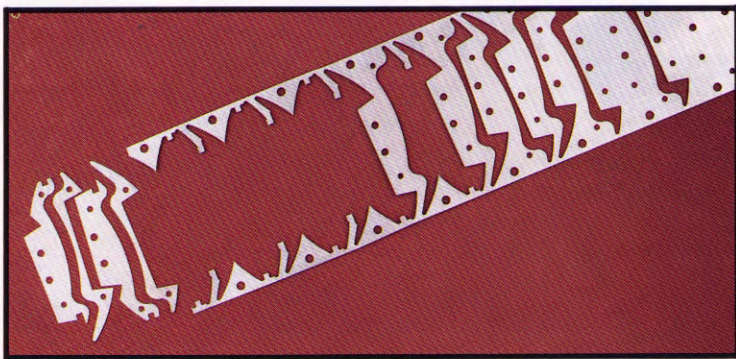


120,650,000 HITS WITHOUT SHARPENING

BRIGGS & STRATTON CORPORATION



In March, 1985, a seven year old lamination die was installed in a Minster PM2-60 press at Briggs & Stratton Corporation's Menomonee Falls (WI) plant. On April 22, 1987, after 120,650,000 hits at a typical 800 strokes-per-minute, the die was pulled for its first grinding since March of 1985.



The material is .019" x 3.94" cold rolled steel, and as you can see, the part involves several sharp corners. Most people would be pretty happy with 20 million hits between sharpenings on a part like this. In fact, this same die ran for seven years in other presses and went through 18 runs and resharpenings before it reached its first 120,000,000 hits.

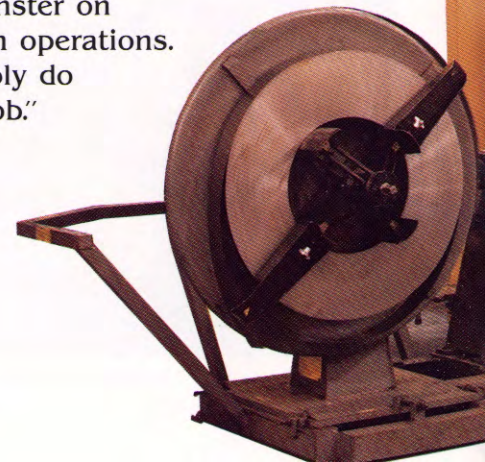
This die produces laminations for a magnet assembly and backpole counterbalance on the

"As long as I'm here, the trend will be toward Minster on lamination operations. They simply do a better job."

*Ron Lesniewski
Plant Manager
Briggs & Stratton Corp.
Menomonee Falls, WI*

flywheel of a Briggs & Stratton engine. Four parts are produced on each press stroke, with a feed length of 1.75".

Plant manager Ron Lesniewski is understandably pleased. "As long as I'm here, the trend will be toward Minster on lamination operations. They simply do a better job."



Department foreman John Pasko feels much the same. "With our other presses, we have to demand less of them to get satisfactory performance . . . not with our Minsters."

Minster has long been the acknowledged leader in equipment for lamination production. This leadership lead to development of auxiliary equipment for feeding and material handling that was aimed directly at the lamination industry. The Minster Cam Feed and "S-Loop" Material Handling System are designed to enhance the productivity of Minster lamination presses, and they've done that job for Briggs & Stratton.

"We like the performance of the Minster Cam Feed," says Dennis Scrima, set-up man. We don't have the misfeed problems that sometimes occur with other feeds we have . . . and that's running at 800 spm, remember. And I haven't had to touch those feeds for repair in the over six years they've been running."

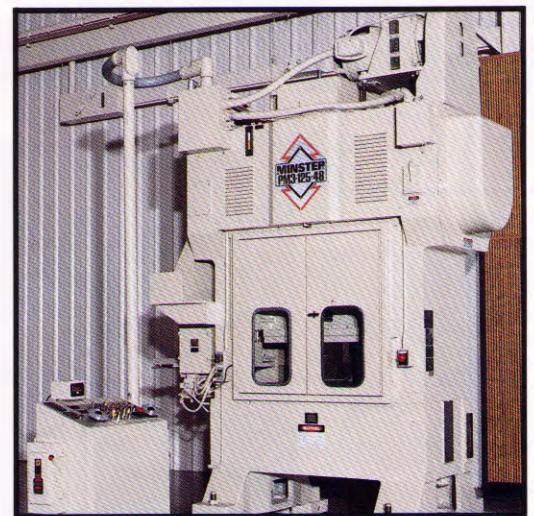
That's a benefit of going with an equipment builder with a proven track record in lamination work. Says Ron Lesniewski, "We not only like the individual pieces of equipment - the press, the feed and the coil handling system - we also very much like the



Dennis Scrima, set-up man, John Pasko, Department Foreman, and Roger Bricco, Machine Operator examine the magnet and backpole counterbalance laminations at around the 100 million point. (Looks good for another 20,000,000+!)

fact that it's a total package. In fact, our satisfaction with these machines is why we've just installed a Minster PM3-125. We look on it as the 1987 version of a machine that's been a great one."

Do you produce laminations, or similar blanked parts? Do you want to run at higher speeds? Do you want longer die life and more parts between sharpenings? Do you want less downtime and more reliable production? If the answer is "yes," take advantage of Minster's experience in lamination stamping.



Briggs & Stratton's latest addition is a Minster PM3-125, including Minster Cam Feed and material handling system. (Shown at the Minster plant before shipment.)