

Dependable Performance Puts Minster P2s in Production Systems at Knap & Vogt.

The company was founded in 1898, and since its incorporation in 1918, Knap & Vogt Manufacturing Co. (Grand Rapids, MI) has grown to be a leader in the manufacture of drawer slides and shelving hardware. An emphasis on quality and service, plus a consistent policy of reinvesting profits in modernizing plant and equipment, are among the more important ingredients in the company's success.

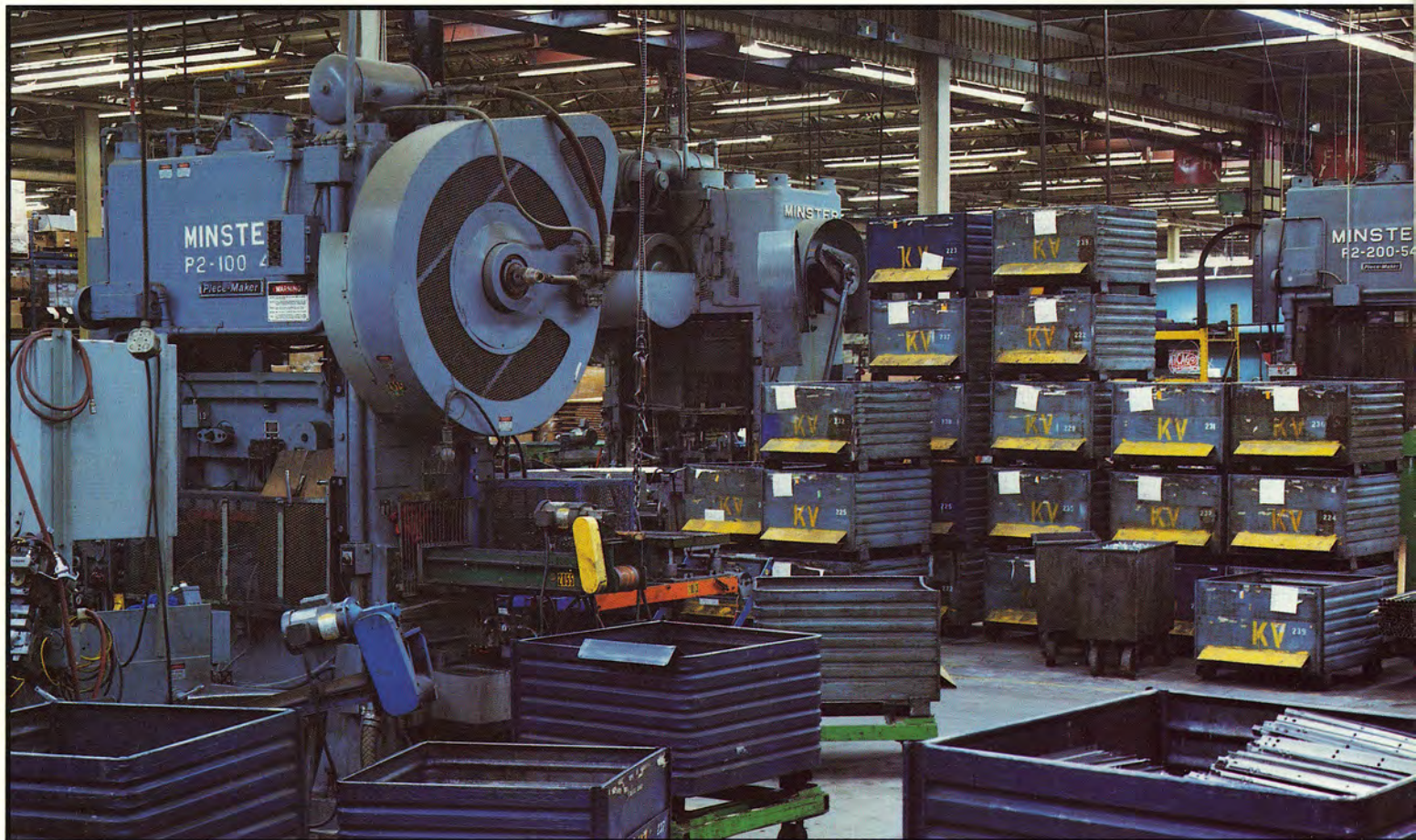
That philosophy has put **thirty-four** Minster presses in Knap & Vogt's Grand Rapids facility, not to mention many other Minsters in the company's California and Ontario plants.

The newest Minster presses are two P2-100's that are installed at the front end of computer-controlled lines that simultaneously produce left- and right-hand drawer slides.

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— Bruce Burnside

"We went with Minster because we knew that we would get dependable performance," says Bruce Burnside, metal fabricating process engineer. "To meet production demands, we need a machine that we can depend on to make good parts every day. We feel that a Minster press is just such a machine."



The two new lines at Knap & Vogt each combine a P2-100, a roll former and two pneumatic presses. The P2 performs coining, piercing and punching on the part, from coil steel fed by a 3-14 Minster Electric Feed. The material, still in strip form, passes through a looping pit and into the roll former which forms the contours of the part and slits the strip into left- and right-hand parts. The pneumatic presses then perform final punching and cutoff.

The roll former operates continuously at up to 65 feet per minute, with the other equipment in the line slaved to it. "Without the line monitoring ability we have, it would entail a good deal of risk to run lefts and rights at the same time," says Burnside. "If you had an undetected problem affecting one of the parts, the other side would be no good because the parts are only usable as pairs."

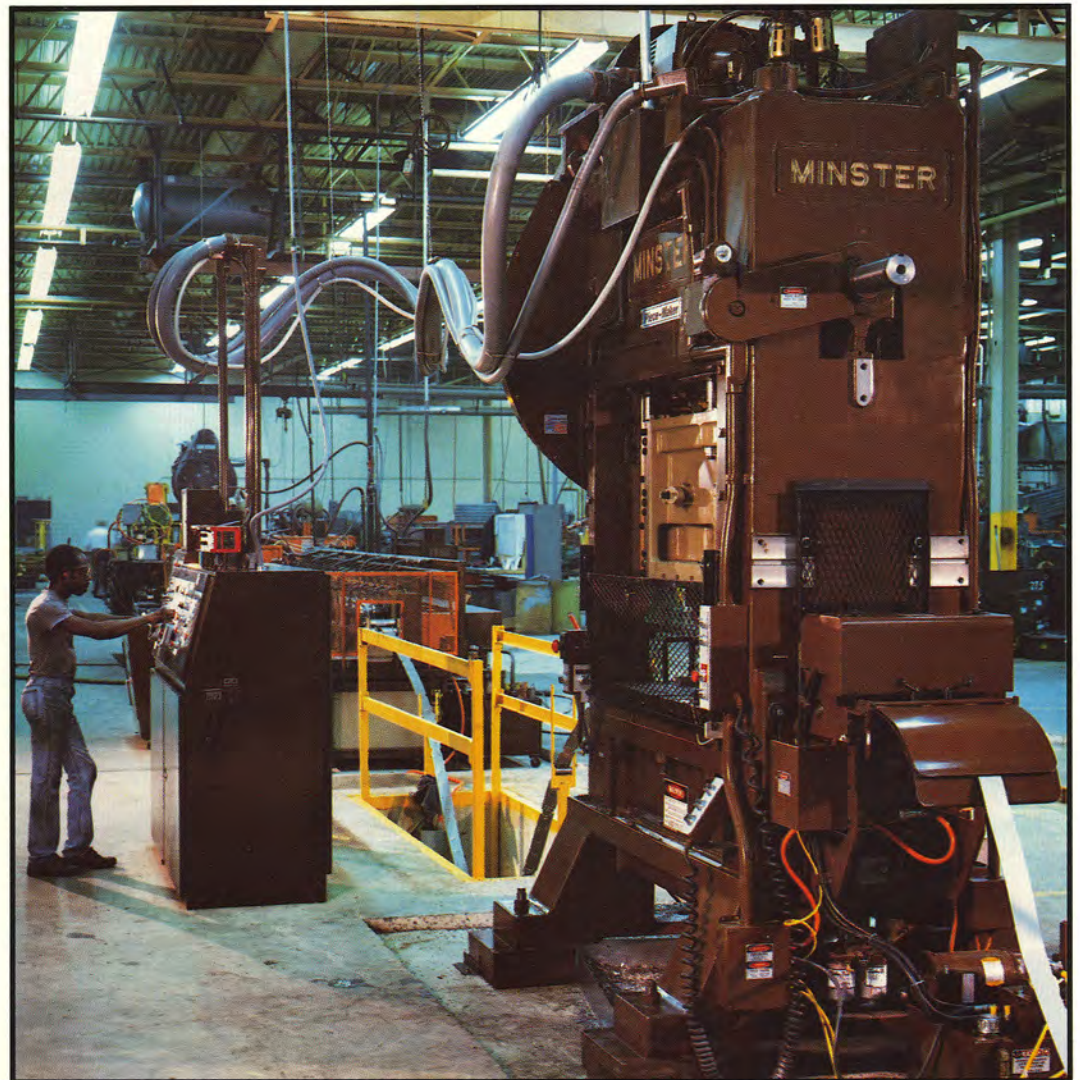
Knap & Vogt already has their next Minster press on order . . . an E2-200 with Minster reel



and straightener, and Minster Electric Feed. In fact, three additional Electric Feeds are on order, scheduled to replace change-gear feeds currently in use. "The Electric Feed is a great asset in speeding set-up," Burnside relates. "Our operators and die setting people love them!"

Flexibility, performance and dependability . . . what you can expect if it's your first Minster or your thirty-fifth.

Knap & Vogt operates thirty-four Minster presses at their Grand Rapids, Michigan facility.



Computer-controlled lines at Knap & Vogt produce left- and right-hand drawer slides at the same time in a single line.