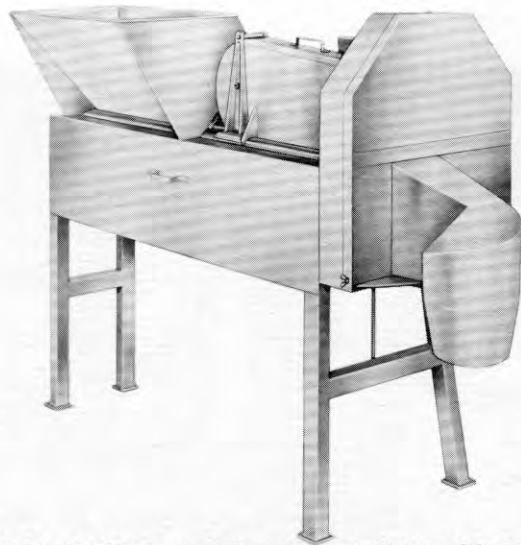
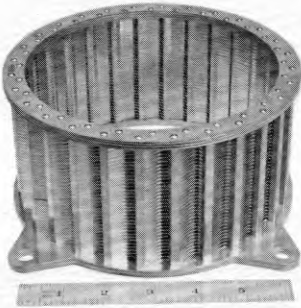


Urschel "Comitrol" machine with precision cutting head and advanced design concept is used by food processing, chemical and pharmaceutical industries.

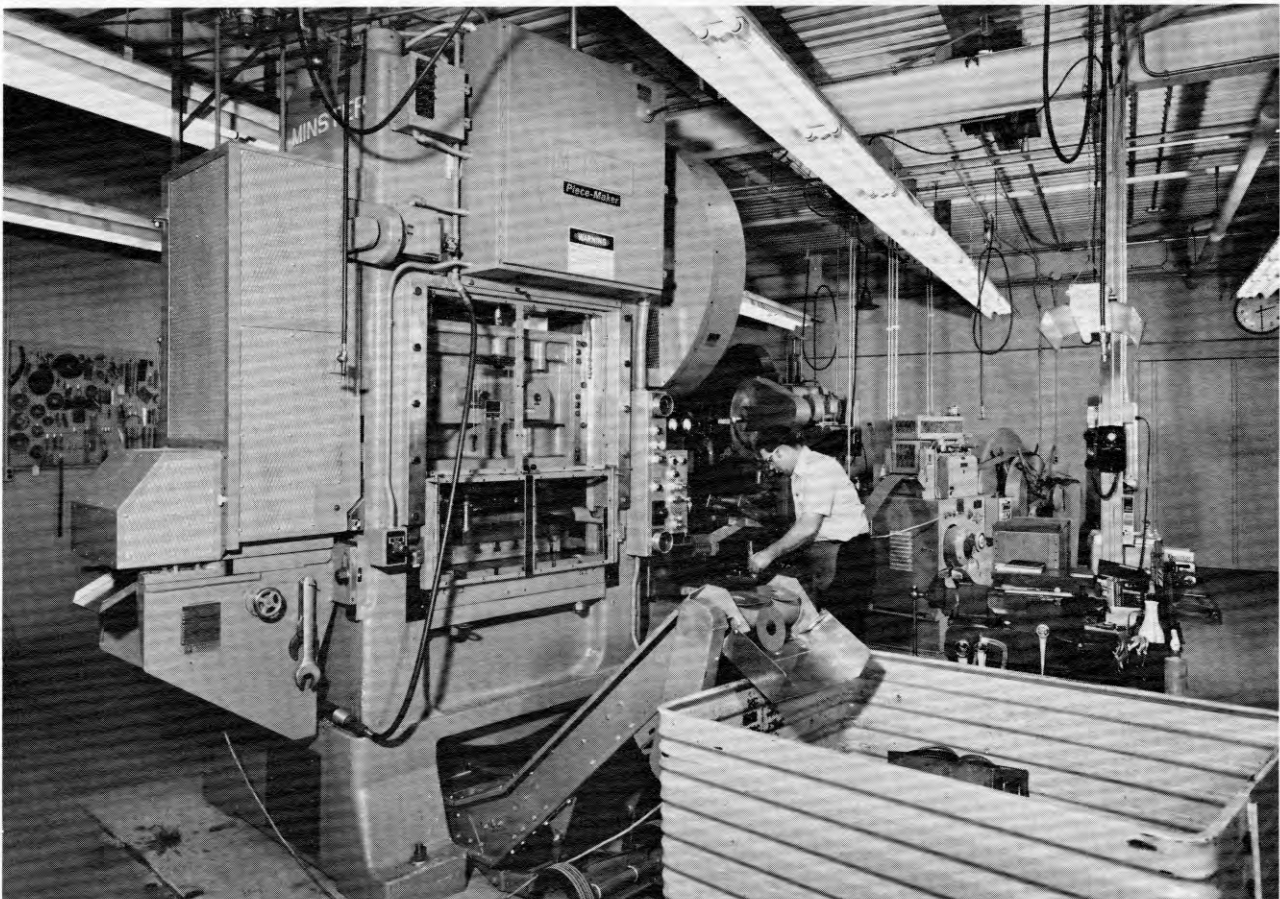


Model OV Slicer used for cross cut slicing of fruits, vegetables and meat.

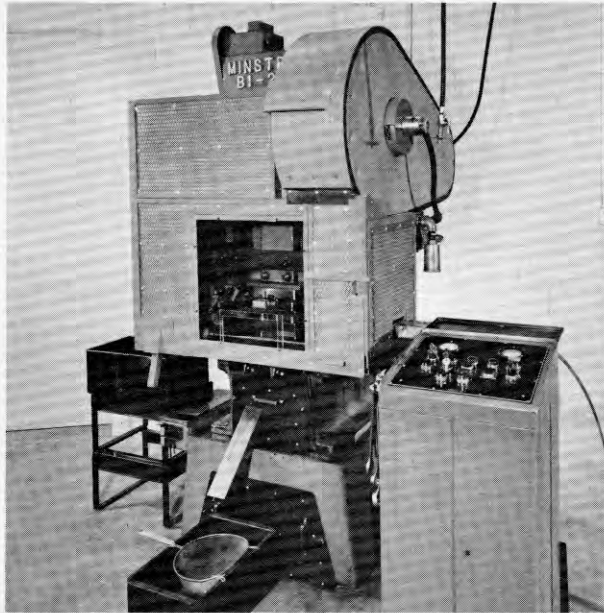


Cutting head for "Comitrol" machine. Parts are produced on Minster presses.

Minster Presses meet tough parts accuracy requirements of Urschel precision food cutting equipment



P2-100 Piece-Maker producing circular knife blanks has excellent feed and die area guarding. Precision of press holds parts accuracy Urschel requires.



Minster B1-22 high speed Gap press runs at speeds to 500 spm. Note Urschel built noise enclosure which lowers db level, reduces operator fatigue and increases productivity.

Urschel Laboratories Incorporated, Valparaiso, Indiana, designs and manufactures precision, high speed cutting equipment for food products. Their dicing, slicing and "Comitrol" particle size reduction machines are used by restaurants, commissaries and all major food processors throughout the world.

The company has captured the largest share of their market by building the best product in the field . . . machines of unique design which are recognized for their high quality, performance and precision.

Urschel machines are made with very precise parts . . . many of them held to within .0001" in size. All parts of an Urschel machine are replaceable and must have this high degree of precision to enable a user running a large processing line to avoid costly downtime. When a part needs replacement it can be done quickly, with no time wasted fitting or adjusting before the machine can be put back into operation with the same exact cutting accuracy.

Many of Urschel's parts are stampings made from very hard steel using carbide dies. Circular knife blanks, cross-cut knife strips, spacers, clamps, perforated screens, etc. are produced using Minster presses because Minster's precision meets Urschel's toughest accuracy requirements.

A P2 Piece-Maker 100 ton capacity press is used to make circular knife blanks and similar parts at speeds up to 250 spm. A B1-22 Gap Press produces a wide variety of small knife sections for circular cutting heads from corrosion-resistant precipitation hardening stainless steel at speeds ranging up to 500 spm. Other parts are stamped on two Minster No. 3 O.B.I.'s.



No. 3 O.B.I. is equipped with Urschel designed chute-fed hydraulically-operated automatic sliding parts feeder which eliminates the "hands in the die area" problem, speeds up production and reduces operator fatigue. Each press operator does his own parts inspection.

Urschel's average part run ranges from 10,000 to 25,000 parts. With their Minster presses they not only can hold to their exacting tolerances, but also experience greatly increased die life.

MEETING OSHA REQUIREMENTS

Urschel Laboratories Incorporated pays close attention to quality-control throughout their entire manufacturing operation. The company has also taken firm steps toward compliance with OSHA standards. In the press room the Minster's are all equipped with feed and die area guarding designed and fabricated by Urschel in their own plant.

The B1-22 press which operates at speeds to 500 spm on hard materials was metered at 109 db . . . pretty loud for the press operator and other personnel. Urschel designed and built a noise enclosure for the press using a lead-foam sandwich lamination with a vinyl exterior. All openings are covered with inserts that lock in. There are no free openings to allow sound to escape. This equipment has proved very effective in bringing the decibel level down to less than 90 db.

The success of Urschel Laboratories Incorporated can be contributed to their manufacturing philosophy that nothing is purchased outside if it can be made better in the company shops . . . even nuts and bolts. Parts and machines are not manufactured to meet a price but to attain the highest possible precision and quality to achieve long range economical use by customers. Knowing that precision breeds precision, Urschel buys Minster presses. Their experience with them has been very good.