



AUTOMATIC SCREW MACHINES

17 SINGLE SPINDLE AUTOMATICS

Brown & Sharpe, Capacities up to 1 1/2" diameter, complete with pick-up attachment for burring and slotting, cross-drilling, etc.

Index-Werke, sizes C-29, B-42 & B-60 with capacities up to 2 3/8" diameter, Capabilities: Single point thread chasing, thread milling, polygon milling, longitudinal turning, also eccentrics within the diameter capacities of the machines.

28 MULTIPLE SPINDLE AUTOMATICS

National Acme
National Acme
Davenport

6 Spindle with capacity up to 1 1/4" diameter.
6 Spindle with capacity up to 2" diameter.
5 Spindle with capacity up to 3/4" diameter.

10 MULTIPLE SPINDLE CHUCKING AUTOMATICS

National Acme
New Britain
Conomatic
Conomatic

6 Spindle with capacity of 1 1/4" & 2" diameter.
6 Spindle with hydraulic with chuck jaws.
8 Spindle with capacity up to 1 5/8".
6 Spindle with capacity up to 1 5/8".

COLD HEADING MACHINES

National LeanFX14M, 5 Station, capable of forming parts from wire up to 1/2 " diameter with lengths up to 3 1/2" under the head.

National 1000-5, 5-Station Long-Stroke, capable of forming parts from wire up to 1" shank diameter with lengths up to 9" under the head.

National 1000-4, 4-Station Long-Stroke, capable of forming parts from wire up to 1" shank diameter with lengths up to 9" under the head.

National 1012, 5-Station Bolt Maker, 3/4" diameter capacity 6" length under head capacity.

National 8L4, 5-Station Bolt Maker, 1/2" diameter capacity 3 3/4" length under head capacity.

National Formax FX24L, 4-Station Cold Header, 5/16" diameter capacity, 3 1/4" length under head capacity. Grouped in a work cell with a National Formax FXTD Thread roller. (2 machines)

CNC TURNING/MILLING EQUIPMENT

Clausing/Colchester Storm 80 2-axis Chucker and Bar machine. 6" chucking capacity, 1 5/8" bar capacity.

Yama Seiki GA-230 2-axis Chucker and Bar machine. 8" chucking capacity, 2" bar capacity

Haas Mini-Mill 3- axis Vertical Milling machine (2 machines)

SECONDARY AND SUPPORT EQUIPMENT

1. EDM
Sodick A 280L , 4 Axis CNC wire EDM.
Japax LU3B, 4 Axis CNC wire EDM.
2. **Cincinnati & Van Norman** Centerless Grinders (7 machines): Nos. 2 OM, 220-8, 340-20. Bar Grinding, Thru Feed, and In Feed.
3. **Reed Rolled Threading** A22-Vertical, B112 Horizontal
4. **Waterbury** #20, #30, #40, & #60 Thread Rollers.
5. **Saspi** #20 Thread Roller.
6. **Snow** Drilling and Tapping Machines.
7. Hand and air feed drilling facilities.
8. Production Milling Equipment.
Kent-Owens Horizontal Milling equipment.
Bridgeport Vertical Milling machines.
9. Punch Press equipment up to 60 tons capacity. (2 machines)
10. **Schmidt**, Roll Marking equipment.
11. **Automation Packaging**, Automatic counting/packing equipment capable of giving precise piece count of parts ranging in size from 3/16 " long up to parts 5/8" diameter by 3 1/2" long in boxes or poly bags
12. **Landis** Bolt Threader, capable of threading parts up to 1 1/2" diameter and 10" long for set screws, 12" for cap screws.
13. **Sunnen** ID Hone 1/4 to 2 1/2 ID.
14. **Parker Majestic**, ID/OD Grinder 7" OD maximum – 2 1/2" ID maximum, 18" Length maximum.
15. Sandblaster.
16. Ultra Sonic Vapor degreasing.
17. Continuous Parts washer with 4,000 pound per hour output capacity.

MEASUREMENT AND TESTING EQUIPMENT

Tesa Profile 30 non-contact measuring machine capable of measuring diameters up to 1.2 inches & 8 inches in length.

Wilson Instrument Tukon Microhardness tester, with related lab facilities.

Rockwell Hardness Testers, Superficial hardness tester.

SATEC/Baldwin 400,000 pound capacity Universal Testing machine for destructive tensile testing up to 1 1/2" diameter.

Mahr Gage – Measures diameter to .00005.

Brown & Sharpe Profilometer – Measures surface finish to 1 RMS.

Uresco Ardrex Magnetic Particle inspection machine.

CMI – Coating Measurement Instrument for measuring plating thickness

Johnson & Starrett - System 22 Thread Gaging Equipment for External & Internal Threads

Gagetrak - Calibration & Recall Software System

PMC Industries Contoureader Model 125 with recording printer for 10X up to 200X

Jones & Lamson Optical Comparators

ISO 9001 Certified
A2LA Accredited Lab



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