

# AUTOMATION PRODUCTS (AP)

**PRECISION MACHINING AND  
SCREW MACHINING SINCE 1979**

For over 40 years Automation Products (AP), located in southeastern Wisconsin, has produced high precision, close tolerance machined components for OEMs throughout the USA and around the world. AP provides multi-spindle screw machining along with CNC turning, milling and swiss machining capabilities.



## INDUSTRIES SERVED:

- ✓ Agricultural Machinery
- ✓ Automotive & Transport
- ✓ Construction, Mining & Heavy Equipment
- ✓ Consumer Products
- ✓ Energy & Utilities
- ✓ Engine Manufacturers
- ✓ Fluid Control Equipment, Pump, Seal & Valve
- ✓ Hydraulics
- ✓ Industrial Machinery & Equipment
- ✓ Power Generation
- ✓ Recreational Equipment

## WHAT WE MAKE: *CNC & SCREW MACHINE PARTS*

- |              |                   |               |                |               |                |              |                     |
|--------------|-------------------|---------------|----------------|---------------|----------------|--------------|---------------------|
| • Adapters   | • Cones           | • Eccentrics  | • Housing      | • Pistons     | • Retainers    | • Spacers    | • Threaded Adapters |
| • Barrels    | • Couplers        | • Fan Hubs    | • Hose Barbs   | • Pivots      | • Rings        | • Spools     | • Threaded Bosses   |
| • Bolts      | • Cylinders       | • Flanges     | • Knobs        | • Plates      | • Rollers      | • Stems      | • Threaded Caps     |
| • Bearings   | • Cushion Needle  | • Ferrules    | • Lugs         | • Plugs       | • SAE Fittings | • Stop Tubes | • Threaded Inserts  |
| • Bodies     | • Cylinder Bases  | • Fittings    | • NPT Fittings | • Plungers    | • Screws       | • Swivels    | • Threaded Plugs    |
| • Boss       | • Cylinder Glands | • Gear Blanks | • Mounts       | • Poppets     | • Shafts       | • Standoffs  | • Valve Guides      |
| • Bushings   | • Cylinder Rods   | • Hardware    | • Nuts         | • Ports       | • Sleeves      | • Studs      | • Valve-Bodies      |
| • Collars    | • Dowels          | • Inserts     | • Pins         | • Pulley Hubs | • Sheaves      | • Tubes      | • Washers           |
| • Connectors |                   |               |                |               |                |              |                     |

## MATERIALS (METAL)

- |                   |          |          |
|-------------------|----------|----------|
| • Steel           | • Brass  | • Zinc   |
| • Stainless Steel | • Bronze | • Nickel |
| • Aluminum        | • Copper |          |

## (TUBING)

- 1026 DOM
- Seamless
- Black Pipe





## ENGINEERING/PROGRAMMING SOFTWARE

- Autodesk Inventor
- Esprit & EdgeCAM
- Eci JobBoss2

## FILE FORMATS

- Autodesk Inventor(Native)
- SolidWorks
- Parasolid
- AutoCAD DWG
- CATIA
- IGES; SAT; STEP; STL
- Solidworks(Native)
- Pro/Engineer

## SCREW MACHINE EQUIPMENT

11 New Britain Automatic Bar Machines 1/4" to 2-1/4" Capacity 6 Spindle (6 with Pick-Off)

## CNC TURNING/MILLING AND CNC SWISS EQUIPMENT

- 2 Doosan Double Turret, Double Spindle CNC Lathes with Bar Feeds
- 3 Doosan Single Turret, Double Spindle CNC Lathes with Bar Feeds
- 2 Doosan Single Turret CNC Lathes with Bar Feeds
- 2 DMG Mori Swiss CNC Lathes with Bar Feeds and Sub Spindles
- 1 Doosan Gantry Loader CNC Lathe
- 1 Halter Robotic Cell
- 2 Doosan vertical machining center with B-Axis programmable indexers
- 1 Doosan traveling column vertical machining center with integrated indexing table

BAR CAPACITY	MAX. CHUCKING DIAMETER	MAX. TURNING DIAMETER
Up to 4 in	15 in	Up to 14 in

MILLING LENGTH	MILLING WIDTH	MILLING HEIGHT
Up to 30 in	Up to 16 in	Up to 20 in

## QUALITY MANAGEMENT SYSTEM & EQUIPMENT


- ✓ ASQ Certified Inspectors
- ✓ NJSU/APQP
  - ISO 9001:2015 Certification
  - Statistical Process Control (SPC)
  - PPAP(s) Level 1-5
- ✓ (1)Brown & Sharpe Gage 2000 Coordinate Measuring Machine 18"X 20"Y 15"Z
- ✓ (1)Micro-Vu Excel 662UC Vision/Touch Probe CMM 26"X 27"Y 10"Z


## VALUE ADDED SERVICES


- ✓ Supply Chain Management
- ✓ AP can employ an Inventory Stocking Program wherein its customers place blanket orders and AP holds inventory and ships as needed.
- ✓ Automation Products Company Box Truck (5 Ton delivery capacity)
- ✓ Plating
  - Hard Chrome
  - Zinc
  - Anodizing
  - Silver
  - Tin
  - Phosphates
  - Passivating
  - RoHS Compliance
  - Nickel
  - Black Oxide
  - Copper

- ✓ EDM
- ✓ Marking/ Engraving
- ✓ Vibratory De-Burring
- ✓ Thermo-Deburring
- ✓ Burnishing (ID & OD)
- ✓ Gun Drilling
- ✓ Custom Packaging & Labeling

## AUTOMATION PRODUCTS

1614 Broadway Ave,   
Sheboygan, WI 53081

(920) 452-1774 

(920) 452-6118 

info@apmachining.com 

www.apmachining.com 