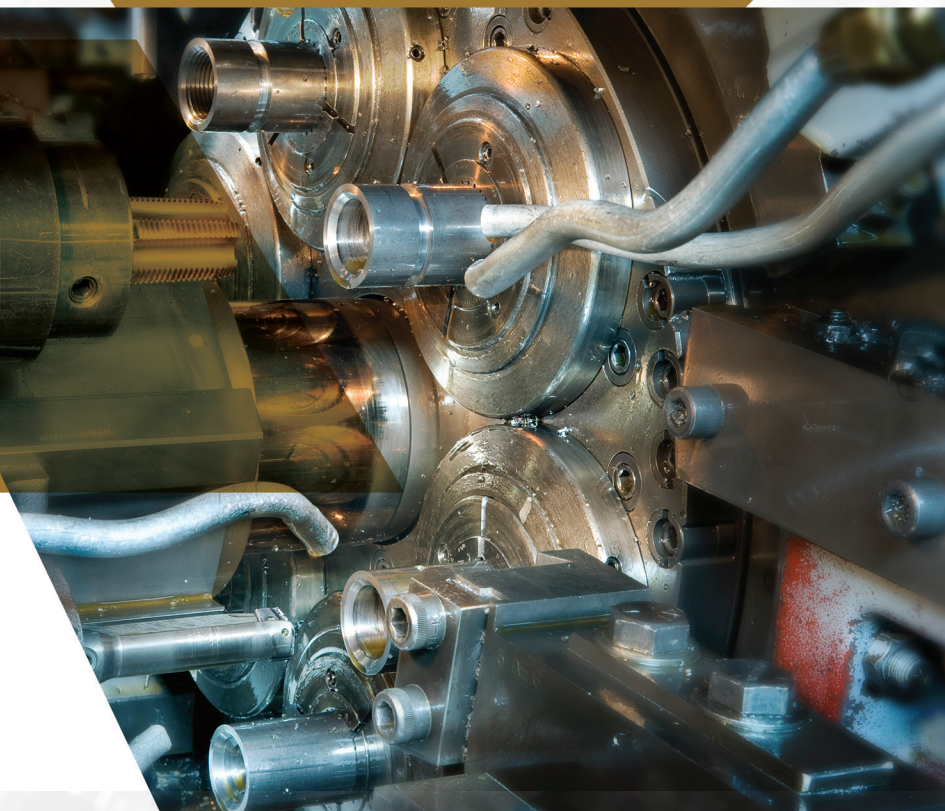


# AUTOMATION PRODUCTS (AP)

**PRECISION MACHINING AND  
SCREW MACHINING SINCE 1979**

For over 45 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
- Barrels
- Bolts
- Bearings
- Bodies
- Boss
- Bushings
- Collars
- Connectors
- Cones
- Couplers
- Cylinders
- Cushion Needle
- Cylinder Bases
- Cylinder Glands
- Cylinder Rods
- Dowels
- Eccentrics
- Fan Hubs
- Flanges
- Ferrules
- Fittings
- Gear Blanks
- Hardware
- Inserts
- Housing
- Hose Barbs
- Knobs
- Lugs
- NPT Fittings
- Mounts
- Nuts
- Pins
- Pistons
- Pivots
- Plates
- Plugs
- Plungers
- Poppets
- Ports
- Pulley Hubs
- Retainers
- Rings
- Rollers
- SAE Fittings
- Screws
- Shafts
- Sleeves
- Sheaves
- Spacers
- Spools
- Stems
- Stop Tubes
- Swivels
- Standoffs
- Studs
- Tubes
- Threaded Adapters
- Threaded Bosses
- Threaded Caps
- Threaded Inserts
- Threaded Plugs
- Valve Guides
- Valve-Bodies
- Washers

## MATERIALS (METAL)

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

## (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 ¼" to 2-1/4" Capacity 6 Spindle (6 with Pick-Off)

## CNC TURN/MILL 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

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

## CNC PRECISION MILLING EQUIPMENT

- 2 Doosan vertical machining center with B-Axis programmable indexers
- 1 Doosan traveling column vertical machining center with integrated indexing table

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

## CNC PRODUCTION SAWING

- Tsune TK130GL automatic circular saw 0.6"- 5" DIA RD x 24' max length with staging table and magazine loader
- Amada HFA 250W 10" capacity, horizontal automatic cutoff saw


## 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
- ✓ 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


## QUALITY MANAGEMENT SYSTEM & EQUIPMENT

- ✓ ASQ Certified Inspectors
- ✓ NJSU/APQP
  - ISO 9001:2015 Certification
  - Statistical Process Control (SPC)
  - PPAP(s) Level 1-5
- ✓ Fowler Mark 2 Coordinate Measuring Machine X25" 24"Y 20"Z
- ✓ (1)Micro-Vu Excel 662UC Vision/Touch Probe CMM 26"X 27"Y 10"Z

## AUTOMATION PRODUCTS

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