



Who we are

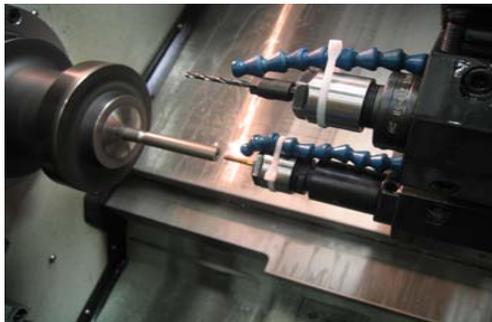
Advantech Manufacturing, serving businesses in Wisconsin and Northern Illinois, is a full-service machine shop that delivers expertly crafted, quality parts - machined, finished, and assembled.

Capabilities

Your One Stop Machine Shop

Work with Advantech Manufacturing and you're guaranteed quality, precision and your parts delivered exactly when you need them. But beyond that, you connect with one of the very few machine shops anywhere that offers master assembly and welding — services that save you time, money and provide a level of quality control you can't get when you outsource with multiple vendors.

Whether your job requires larger, complex contract machining work or intricate, smaller parts, the expert associates at Advantech Manufacturing deliver. We already do it in a variety of runs for clients like the U.S. Navy and Rockwell Automation.



Machining

Our milling and turning operations utilize the latest technology and expertise available. That allows us to offer your company the very best in design, manufacturing, inspection and offline programming. Our well-equipped, climate controlled facilities enable us to handle large production runs down to a single prototype.

Tolerances of +/-0.0001 are achievable, with typical customer requirements ranging from +/-0.001 to +/-0.010.

By utilizing EdgeCam software, we increase efficiency and part accuracy to ensure your product is manufactured to print in accordance with your specifications.

Fabrication

Years of training and significant investments in technology allow us to fabricate high-end quality parts designed to exceed your expectations. More importantly, we work closely with every client to ensure that the ideal, most cost-effective approach is utilized.



Assembly

No matter how minute the detail, assembly with Advantech is a natural progression in the process of delivering you a precisely manufactured part. Years of experience assembling Advantech's DuraTap and Sonic Sifter test sieve line demonstrate the level of proficiency and effectiveness we offer handling complex components.

Advantech customers recognize our expertise in assembly, entrusting us with their custom-designed and electrical assembly needs for products used in a variety of fields.

Finishing

From start to literally finishing, we can take your plans and specifications and turn around a complete product for your convenience. Gone are the days of ordering parts from a machine shop only to have to send them out again for finishing work before assembly. Before you add unnecessary steps to your process, let Advantech take your project from start to completion.

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Milling (CNC):

Daewoo DMV - 400: X - 22.1" Y - 15.86" Z - 22.49"

10,000 rpm spindle, 30 tool changer, indexable pallets, 15 horsepower spindle

Daewoo DMV - 4020: X - 40.00" Y - 20.00" Z - 24.6"

8,000 rpm spindle, 24 tool changer, 20 horsepower spindle

Doosan DMV - 4020: X - 40.00" Y - 20.00" Z - 24.6"

8,000 rpm spindle, 24 tool changer, 20 horsepower spindle

Turning (CNC):

Daewoo Puma 230: X - 13.8" Z - 22.92" 4,500 rpm

spindle, 10.0" chuck, 12 station turret, programmable tailstock, parts catcher, 2.6" spindle through hole, 20.0" swing, 20 horsepower spindle

Daewoo Puma 240mb: X - 8.1" Z - 22.8"

4,500 rpm spindle, 10.0" chuck, 12 station turret, programmable tailstock, parts catcher, 2.5" spindle through hole, 21.7" swing, 25 horsepower spindle, "Live" tooling capability with 5,000 rpm's and "C" axis machining, LNS 6' magazine bar feed

Okuma LB-25: X - 14.435" Z - 25.59"

3,600 rpm spindle, 15.0" chuck, 12 station turret, programmable tailstock, 3.15" spindle through hole, 25.0" swing, 20 horsepower spindle

Manual Machines:

Milling:

Bridgeport vertical mills (2): 9.0" x 42.0" table

R8 collets, 4,200 rpm spindle, one with digital readout

Lagun FTV - 2 vertical mill: 9.0" x 48.0" table

R8 collets, 4,200 rpm spindle, digital readout with NC control

Turning:

Sheldon engine lathe: 36.0" long with 8.0" chuck

LeBlond engine lathe: 50.0" long with 15.0" chuck

Grinding:

DoAll surface grinder: 18.0" x 6.0" table

Welders:

Miller resistance welders (2): 18 gauge and smaller

Acro resistance welder: 75 KVA, for up 14 gauge thickness and projection nuts up to M8 or 5/16" thread

Saws:

DoAll C-916A horizontal band saw: 10.75" round max and 18.0" X 9.0", 20 foot long bars

DoAll 1612-3 vertical band saw: 3/8" blade, 16" throat

Cutting:

Tracker CNC plasma cutting machine:

4' X 8' table, 60 amp torch, 3/4" thick plate

Presses:

Bliss stamping presses (2): 15 Ton, 2.0" stroke

Loshbough-Jordan stamping press: 15 Ton, 2.0" stroke

Perkins Machine Co. stamping press: 2 Ton 1.0" stroke

Press Rite stamping press: 15 Ton, 2.0" stroke

Hannifin Chicago deep draw hydraulic press: 50 Ton, 27" stroke, 65 pound air cushion

Brakes & Shears:

Chicago brake: 42.0" max width x 14 gauge thickness

Ewert and Kutschied Mfg. Co. shear: 73.0" wide x 11 gauge thickness

Peck, Stow and Wilcox Co. shear: 52.0" wide x 16 gauge thickness

Inspection Equipment:

CMM: Brown & Sharpe Tesa micro-hite 3D, 18.11" x 20.08" x 16.54" range

Leica Video Imaging System: Leica Wild M3C & Leitz Aristomet microscopes with measurement capabilities to 3 micron

Optical Comparators(2): Rockwell hardness tester, pin gauges, bore gauges, thread gauges, ring gauges, profilometer, height gauges

Other Machines:

-Bracker orbital riveter: 1,620 rpm .33 horsepower

-Clicker press

-Notcher

-Drill presses

-Disk grinders

-Tool sharpeners

Additional Services:

-Assembly

-Soldering

-Buffing



Our best introduction is the testimonial of our satisfied Customers:

"It all started with Advantech Manufacturing taking on just one part for us - now we're in the process of transferring all of our machining needs to them. Not only do they do incredibly precise work, they also buff our parts. That alone saves us a great deal of time and money, and gives us the kind of quality control we couldn't get using multiple machine shops and finishers."

Desco Corporation -

Ric Koellner, President

"With Advantech Manufacturing on board with us, we're able to maintain strict quality standards, save money and seriously cut down lead times. Best of all, they allow us to offer our customers a finished product. We do what we do best, and rely on them to do what they do best - that gives us a tremendous advantage over our competition."

Midwest Die Casting -

Brian W. Gillstrom, President

"We asked Advantech to machine one part on a project basis. They now machine, balance, assemble and package our parts, then drop ship them directly to our customers. We have so much confidence in their work that we never even see the parts anymore. We rely on Advantech as a true partner."

Sun-Tech Transit & Rail Solutions -

Jon Brocksopp, President

