



Full-Service CNC Machine and Fabrication Shop

MACHINING

Our modern CNC machining centers can handle multiple materials and hardness over 60 rockwell. We utilize our decades of experience and up-to-date technology to provide tight tolerance parts.

GRINDING

We offer surface grinding of flat plates up to 32" x 78".

EDM

For difficult contours, Hudson Machine & Tool offers Electric Discharge Machine services. We have Wire EDM and Sinker EDM machines.

STEEL FABRICATION

We can cut, form and weld sheet metal and plate to fabricate parts to your specifications.

MILLING

Our milling capability is up to 14 ft. With 4th and 5th axis machines, large horizontal and bridge mills, Hudson offers a variety of milling solutions.

FIXTURING

We help customers find a solution for their complicated fixturing projects, including difficult-to-hold parts.

RESIDENTIAL STEEL PRODUCTS

We fabricate and install balcony and stair railings, pergolas, clear span beams, and steel moment frames for large walls of windows.

DESIGN & ENGINEERING

Our in-house team of production designers and engineers are here to work with you to take your idea from drawing to a fully functioning product.

TURNING

Hudson Machine & Tool offers precision cylindrical turning up to a 78" diameter or to a 12' length. Our Swiss lathes ensure a high level of precision and production paired with a 12' bar feed capacity.

CASTINGS

Hudson partners with a local foundry and provides precision machined castings.

WELDING

We provide comprehensive welding services, from factory maintenance and heavy equipment repairs to production welding with stainless steel, carbon steel, aluminum, and other alloys.

LASER CUTTING

Our 5-axis lasers achieve tolerances up to $\pm .005"$ and cut material thicknesses up to .125".

BROACHING

Hudson Machine & Tool can help with your high-volume broaching job.

HEAT TREATING

We heat treat prototypes and small runs. As a full-service CNC machine shop, we partner with local heat treaters for larger jobs to provide finished parts.

INSPECTION

We offer full inspection services utilizing a variety of precision test equipment including Coordinate Measuring Machines.

ADDITIONAL SERVICES

We provide sand blasting and industrial painting services. We coordinate other processes, such as high-volume heat treating, coating and engraving.

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