

CUSTOM MANIFOLDS

COMBINING TECHNOLOGY AND TRADITION SINCE 1976



SINCE 1976 GK MACHINE'S GOAL has been to create exceptional value for our customers by focusing on the design and manufacturing of quality equipment. The combination of progressive engineering, lean manufacturing with advanced software and highly automated CNC machining helps GK Machine meet and exceed our customer's expectations.

GK Machine now provides high quality custom manifold solutions to our mix of exceptional products and services. Our precision manufacturing process ensures your custom manifold will be built to your exact measurements and specifications. We design and manufacture custom hydraulic manifolds to fit any line of cartridge valves as required by our customers. Our customers know the importance of meticulous engineering, exceptional value and unmatched customer service.

A complex matrix of variables can make manifold design and component selection a difficult and tedious job. Developing a custom hydraulic manifold application is not the same as buying an item off the shelf. A custom manifold is built to your exact measurements and specifications. GK Machine has engineers on staff to help you design your manifold from scratch, improve an existing design, or replicate an existing circuit. Using advanced software our engineers will assist you with the design and produce a manifold solution for your exact specifications.



Call for a friendly quote!

503-678-5525

10590 Donald Road NE · Donald, Oregon 97020 FAX 503-678-5693 manifolds@gkmachine.com · www.gkmachine.com

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From conception to completion, let us help you realize your manifold concepts.

THE PROCESS

QUOTING Using specialized software, we strive to provide quick, consistent, and competitive quotes. Whether you have a full 3D model or a rough sketch, our sales department will work closely with you to outline a project that satisfies your specifications and your budget.

ENGINEERING Working with advanced software, our engineers specialize in both modification of existing circuits and the design of new hydraulic manifolds. Highly skilled engineers at GK Machine have many years of experience and are familiar with custom manifold design.

PROGRAMMING Once the design has been finalized, our programmers get to work. Utilizing advanced software they program the machining of your manifold using the most efficient and effective methods possible.

MACHINING GK Machine employs many talented machinists with many years of combined experience in manufacturing. Our machinists enjoy the challenges of working on new and unique projects and have the ability to work with a wide variety of materials. Technologically advanced CNC machines help produce your manifolds quickly and accurately.

CLEANING & DEBURRING After the machining of the manifold is complete, we inspect, clean, de-burr, and any additional procedures as directed by our customers. The accurate and consistent execution of these measures is critical to the smooth operation of the manifolds in the field. We manufacture and ship clean and contamination free manifolds. The result is less maintenance cost and no lost production time.

ASSEMBLY Assembly happens under exact standards where stringent procedures are followed. All plug components and fasteners are installed to manufacturers specifications, providing a high quality manifold assembly.

TESTING Full dynamic and static testing of the assembled manifold. Complete test reports available with statistics such as flow, pressure, temperature, and ISO code cleanliness. Testing specifications can be created with engineering and customer input.



NEW! **DMG MORI NT5400/1800SY**

PRODUCTION MILLER

5 AXIS MILL TURN WITH LOWER TURRET

X: 40.9"/1,040mm Y: 10"/255mm Z: 76.4"/1,940mm

MAX L: 75.6"/1921mm PART DIAMETER: 36.2"/920mm

BAR CAPACITY: 4"/103mm



DMG MORI NHX6300

PRODUCTION MILLER

4 AXIS HORIZONTAL MACHINING CENTER

X: 41.3"/1,050 mm Y: 35.4"/900 mm Z:40.6"/1,030 mm



DMG MORI DURAVERTICAL 5100

PRODUCTION MACHINING

3 AXIS VERTICAL

X: 17.7"/450mm Y: 3.94"/100mm Z: 51.2"/1301mm

Mastercam

I | AUTODESK® INVENTOR®



MDTools® 760



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