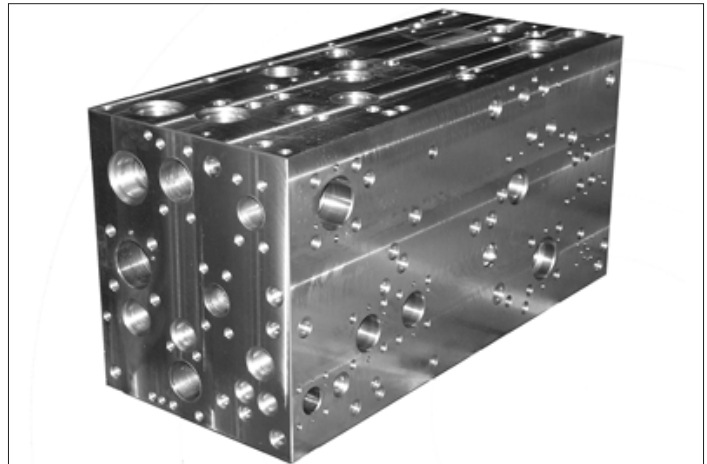


AccuPort 432®

Case Study: 3104
Industry: Oil & Gas/Petrochemical
Part: Hydraulic Manifolds
Material: Nodular Iron
Item: Several AccuPort432® port contour cutters



The Challenge

A worldwide valve manufacturer is machining hydraulic manifolds made out of nodular iron. They are using Makino M3000 Pallet Line with a through-coolant delivery system to manufacture their products.

The customer is now running multiple transfer lines and unmanned machining centers, which is not ideal for this method. The customer needs to increase production efficiency to meet product demand.

The Advantages

Because they no longer had to regrind the special form reamers, the customer eliminated their tool room re-sharpening area. Due to the success of our tooling, the customer has now converted all their porting operations to the AccuPort432® tool.

Previous Tooling

3 or 4 Tools to Produce the Hole

- Long cycle times
- Multiple tool changes
- Increased downtime

Allied Machine Solution

AccuPort432®

- 300 SFM
- 8 IPM
- Reduced cycle by 85% (this reduction does not include the reduction in downtime due to tool changes and re-sharpening)

