



*Helping our customer's
control their destiny...*

Sullivan, IL – When Hydro-Gear presented Hartwig, Inc. with the request to replace 10 existing vertical machining centers that were being hand loaded with 4, more accurate and rigid machines that have pallet changers and robot loading. The team got excited!

Hydro-Gear is a high volume hydro-static transmission manufacturer that thrives with high market share and a good customer base. These two factors driving your business forward you can't afford to be down. Moreover, each part that comes off the machine must be correct and orders have to be filled.

During the busy season the 4 Okuma MF-46 VA machines run around the clock 7 days a week balancing production between 8 individual part numbers. The cell is capable of identifying which parts are in cue and which of the 4 machines the specific part number is capable of being run on. Once loaded inside the machine, by a Fanuc robot, the instruction is given to select the correct tool and process the parts. After machining the robot drops the part off at the gage to ensure accuracy. Logic and handshaking between the PC based controls allow for complex operations and on-the-fly decisions with little human intervention.

The customer has long been a fan of Hartwig, Inc. Service and is now experiencing the benefit of developing a deeper partnership with the Hartwig, Inc. application team and implementing an improved process that truly drives up productivity and drops the cost to manufacture. Now we are running all part numbers with 2 operators and keeping up with market demand. Project payback and justification are guaranteed!