



Precision Machining

McNeil Industries precision machining process is geared towards ongoing production machining of components for aerospace, aircraft, outer space vehicle, weapons, artillery, armament, heavy truck and off-highway, valves of all types, high-volume beverage can equipment, and primary metals processing equipment to name a few key areas.

We have a full complement of CNC precision machining capability for both metals and plastics. CNC combination turning & milling using our 4-axis sub-spindle machines with live tooling enable processing of complex components with reduced set ups and machining ops. Automatic bar feed equipment for material stock 3.5" and under provides for machining to continue lights-out during off hours in production. The largest diameter swing for turning in-house is 25" diameter.

With regard to our milling capability, we operate both vertical and horizontal milling machining centers, again with the focus on productivity by ganging multiple set ups and machining ops together by use of our pallet and tombstone system. Using this processing methodology enables set up and machining of multiple different parts concurrently in our milling machining centers. The maximum work area size for milling is 24" x 24" x 40".

In addition, we have a full range of grinding capability including honing to produce parts that require extremely tight finish tolerances of .0001". This includes a Studer CNC grinding center for tight tolerance and repeatable ID / OD ground components. Value added assembly and light welding services of components to create subassemblies is also an area of specialization offered by McNeil.

Included in our machined products business segment are 2 distinct bearing product lines. MAXAM Bearings are a problem-solving production for challenging applications for which standard bearings give up too quickly. Over time we have case histories showing the MAXAM product typically extends bearing service life and operating up time by 4 to 10 times.

PGS Precision Guide System pin and bushing sets are a linear bearing used in the food and beverage can making industry for the guidance during operation of their high-speed metal stamping tooling. These large components require extremely tight tolerances and finishes to maintain relative die position while operating at speeds over 800 strokes per minute.

QUALITY STATEMENT

Excellence through Innovation and Teamwork

OUR MISSION

To provide a level of service and quality that far exceeds our customers' expectation



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