



MACHINING CAPABILITIES

Accurate Specialties Inc. constantly strives to improve processes and expand product lines, setting the industry standard for gear blank manufacturing. Adhering to our Continual Improvement Philosophy and ISO 9001:2008 Certified Quality System, we provide unparalleled value, service, and quality through design, alloy selection, casting and machining.

In order to provide this level of service and quality, we operate and maintain an extensive line-up of machines, including a large vertical turning center, 11 CNC lathe cells, a CNC production saw, as well as various design and quality software applications.

Accurate Specialties Inc. has available capacity on these machines. Most cells in our facility run one to one and a half shifts per day. Any one cell can be staffed up to 20 hours per day, with options for additional hours per week. Equipment list:

CNC Large Vertical Turning Center

- Giddings & Lewis/MAG 2500 large VTC (with live tooling, auto tool changer)
- 18" – 98" OD x 32" max high (table to ram)
- 7.5 ton crane

CNC Lathe Cells

Each cell consists of 2 CNC lathes, typically used for A/B manually loaded parts.

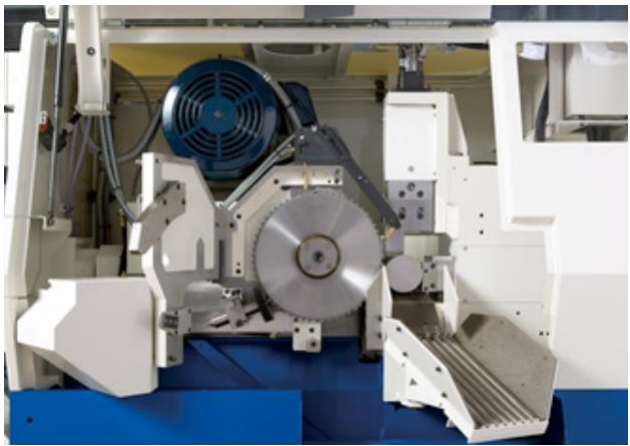
- Cell 1 – Grf VTC – 2.5 meter table
- Cell 2 – qty (2) Okuma – machining envelop: 6"-10" Turning, 5"-6" Bore/Drill
- Cell 3 – qty (2) FEMCO – machining envelop: 6"-10" Turning, 5"-6" Bore/Drill
- Cell 4 – qty (2) Mori Seiki CL25 – machining envelop: 6"-10" Turning, 5"-6" Bore/Drill
- Cell 5 – qty (2) Mori Seiki CL25 – machining envelop: 6"-10" Turning, 5"-6" Bore/Drill
- Cell 6 – qty (2) Haas ST10 – machining envelop: 6" max Turning, 4"-5" Bore/Drill
- Cell 7 – qty (2) FEMCO HL35 – machining envelop: 7" max Turning, 15" max Bore/Drill
- Cell 8 – (1) Haas ST40 and (1) Haas ST30 – machining envelops are as below:
 - Haas ST40: 20" max Turning, 24" max Bore/Drill
 - Haas ST30: 16" max Turning, 15" max Bore/Drill
 - Cell has 500# crane
- Cell 9 – qty (2) Haas ST20 (one with live tooling)
 - machining envelop: 8" max Turning, 13" max Bore/Drill
- Cell 10 – qty (2) Haas ST40 – machining envelop: 20" max Turning, 24" max Bore/Drill
 - Cell has 500# crane
- Cell 11 – qty (2) Haas ST40 (both with live tooling and tailstock)
 - machining envelop: 20" max Turning, 18.5" max Bore/Drill
- Cell 13 – qty (2) Okuma Lb 3000 Ex II
 - 8" chuck main spindle 6" chuck sub spindle. Parts catcher interface, high pressure coolant



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CNC Production Steel/Other Metals Saw

- Qty (1) Tsune TK5C-160GL CNC – 7.00" \varnothing production cold saw with magazine feed
- Hubtex steel bar handling vehicle (up to 24' x 5,000 lb bundles)



Design/Software/Quality/Other Considerations

- SolidWorks Premium, Surf Cam
- PolyWorks/Inspector + Meshing including IMInspect, IMAlign, IMMerge, IGES and STEP Translators, Geo- Magic Design X program
- Zieiss Duramax Bridge-type CMM
- ROMER Absolute ARM 7520SI CMM
- Extensive library of specialized, certified gauges
- ISO 9001:2008 certified

