

## Specializing in Large Shaft Machining

SINCE  
1965

### Manual Lathes

- Niles A60: 84 inch swing over ways, 68 inch swing over carriage, part length 37-1/2 feet, dual carriages
- American: 62 inch swing over ways, 48 inch swing over carriage, max part length 35 feet, dual carriages
- LeBlond: 50 inch swing over ways, 36 inch swing over carriage, max part length 28 feet
- LeBlond: 40 inch swing over ways, 22 inch swing over carriage, max part length 12 feet
- Monarch: 42 inch swing over ways, 28 inch swing over carriage, part length 21 feet, metric threading
- All lathes have digital readouts, multiple steady rests, and many combinations of lead gearing

### CNC Lathes

- You-Ji VTL – 38.00" OD Swing x 16.00" vertical travel
- Binns & Berry CNC Lathe – 40.00" OD Swing X 290.00" Long – Fagor controls with custom threading / grooving and threading programming.
- American Tool Works CNC Lathe: 80 inch swing over ways, 62 inch swing over carriage, part length 14 feet, Fagor controls with custom threading / grooving and threading programming.

### Manual Mills

- Giddings & Lewis floor table with 6 inch spindle: travel is 11 feet vertical, 14 feet horizontal, floor table is 8 X 16 feet
- Giddings & Lewis 5 inch spindle: travel is 7 feet vertical, 11 feet horizontal, table is 5 X 12 feet
- Giddings & Lewis 5 inch spindle: travel is 6 feet vertical, 9 feet horizontal, table is 5 X 11 feet
- All mills have digital readouts; right angle milling heads, G & L power tailstock column for boring

### Welding

- AWS D1.1, D1.6, D14.6, D14.1, D9.1, D17.1
- ASME Section IX
- Strip Clad welding
- Shaft repair



**Hall Machine's specialty is machining large diameter and long parts in large manual horizontal lathes. Specifically, we offer you:**

- Six lathes equipped with multiple steady rests and many combinations of lead gearing for threading
- Ability to swing parts up to 84" diameter and up to 37' in length
- We have custom CNC programs that allows us to machine any thread or rope grooves required



Hall Machine's repair expertise will save you money.



Hall Machine has milled parts up to 35 feet in length.



Using the most sophisticated equipment, we are capable of MIG, TIG and flux-core welding. Welding methods include SAW, GTAW, GMAW and FCAW.