

## **SPECIALIZING IN**

### **BORE MACHINING**

- Line boring all types.
- Turbine casings and inner cylinders, nozzle blocks , bearing seats, valves all types and sizes.
- Manways and valve bodies & seats.
- Upper, intermediate & lower and wear ring surfaces.
- Gate valve seal faces, wicket gate bores and discharge and throat rings.
- Pump and compressor housings and cylinders.
- Gearboxes of all types.
- Equipment stands and frames.
- Stern tubes and rudder and drive shaft bushings.
- Overboring capabilities-2" to unlimited.
- Bore capabilities - 2 3/4 " up to 12"

### **FLANGE FACE MACHINING**

- Turbine Casings, pressure vessels, heat exchangers, process reactors, etc.
- Coupling flanges (Elliptical, Oval, and Circular configuration can be accommodated).
- Hand Hole, manway flanges, access doors, valves of all types and sizes.

### **HONING, DRILLING & WELDING**

- Drilling, Honing in all positions.
- Tapping, internal/external threading.
- Counter-Boring and spot facing.
- Honing capabilities from 23/4" up to 12", and up to 40' long.

### **MILLING**

- Horizontal joint milling for turbines, pumps, etc.
- Machining foundations for engines, pumps, generators, compressors, motors, etc.
- Machining of platens, die blocks , hammers, anvils, rails, etc.
- Machining of support ledges for generator spider assembly (hydro power units).
- T-slot and keyway cutting.

## SPECIALIZING IN

### STEAM PATH REPAIR

- Complete turbine parts and service.
- Stationary components.
- Refurbishment of nozzles and diaphragms.
- Refurbishment of blade rings and blade replacement.
- Replacement and machining of seals and packing.
- Computerized area checks.
- Rotor Components.
- Replacement of blades and buckets.
- Replacement and repair of erosion shields.
- Replacement and repair of tie wires.
- Weld repairs to lashing lugs.
- Complete welding capabilities and refurbishment to tenons
- Shroud band / cover replacement.
- Complete welding and heat treating capabilities on: Joints, Integral root radial seals, partitions and blade rings, set-back faces, crush pins, packing and seal hook fits.
- Steam Path Repair Assessments ( Alternative repair recommendations in lieu of often unnecessary and costly replacements parts by OEM's ).

### SHOP CAPABILITIES

- Lathes, milling machines, grinding machines, large turning capabilities up to 55" diameter.
- Reverse engineering and manufacturing services available.

