



Stationary General Machining

Elliott turbomachinery is custom engineered to meet specific application and process needs for our customers around the world. Our success is rooted in precision engineering and highly skilled trades where individuals machine components for compressors and turbines used across the full spectrum of oil and gas, refining, LNG, petrochemical and other process and power applications.

Diaphragm and Endwall Machining

- ♦ All milling and turning operations on an endwall or diaphragm
- ♦ Machines 5 sides equivalent to a 9-foot cube in a single setup
- ♦ 5-axis contour machining
- ♦ Seven programmable axes
- ♦ Probing for part location & measurement
- ♦ Pallet shuttle system
 - Three interchangeable 98-inch pallets
 - Two additional projects can be staged while the machine is operating
- ♦ 15-ton milling capacity
- ♦ 4.5-ton full-speed turning capacity
- ♦ Four interchangeable spindle units
- ♦ Automatic 120-piece tool changer
- ♦ First installation in the USA (1998)

Masterhead Milling Center

- ♦ Multi-axis CNC Machining of large compressor and turbine casings
- ♦ 5-axis machining
- ♦ Seven programmable axes
- ♦ Machines 5 sides equivalent to 14-foot cube in a single setup
- ♦ Operations: layout, milling, drilling, inspection and probing for part location and measurement
- ♦ 285-ton table loading capacity
- ♦ Two independent 27.5-foot tables combine to 55 feet
- ♦ 130-foot overall length
- ♦ 125 HP continuous speed
- ♦ Eight interchangeable spindle units
- ♦ Automatic 156-piece tool changer



Multiple 2-Axis Vertical Boring Mills



- ◆ Equipped with with the latest CNC controls
- ◆ Customized quick-change tooling system
- ◆ 12-foot diameter table
- ◆ 25-ton loading capacity
- ◆ Table speed: 60 rpm
- ◆ Turning / boring operations
 - Compressor casings
 - Diaphragms
 - Turbine steam ends & exhaust ends

CNC Horizontal Boring Mills

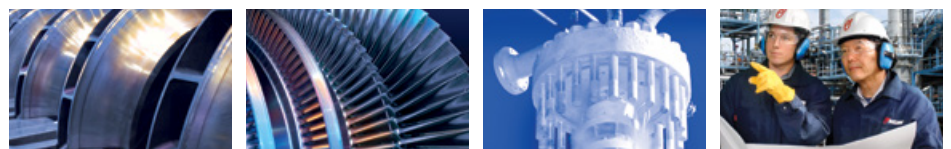


- ◆ 4-axis milling capability
- ◆ 360° table rotation
- ◆ Milling operations
 - Discharge volutes
 - Compressor & turbine diaphragms
 - Inner casings
 - Keyways and O-ring grooves
- ◆ Milling and drilling nozzles on small casings
- ◆ Drilling, reaming, tapping dowels, lifting holes, endwall assembly bolt holes
- ◆ 16.5 ton maximum table capacity
- ◆ Automatic 60-tool changer



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T H E W O R L D T U R N S T O E L L I O T T



C O M P R E S S O R S ■ T U R B I N E S ■ C R Y O D Y N A M I C S ■ G L O B A L S E R V I C E