



Aztalan Engineering, Inc.

EQUIPMENT LIST

TWIN SPINDLE CNC TURNING

Our 6 Okuma Twin Spindle Lathes provide up to full 7 axis power, allowing for full part creation on a single machine and higher throughput. The twin spindle lathes offer greater reliability, speed, and accuracy since the part is finished in a two-step process without operator handling. There are less labor requirements because automatic part loader/unloaders allow one person to operate two machines, substantially increasing productivity. These machines can be set up to run high volumes, and often are, they are also flexible enough to turn smaller batches efficiently

The LFS 10 is ideal for high volume parts and part families. The LFS 10 features constantly high quality level of the turned parts, short part production times, long machine times, and high process stability. It has twin turrets that accommodate 12 tools each. A tool change lasts no longer than 1.15 sec which - in combination with the dynamic axes - minimizes the non-productive time.

The LFS 10 deploys a speedy 3-axis gantry loader with two grippers for part weights up to 2 x 3 kg. Finally, the OKUMA 2SP-150 H reliably keeps the machining tolerances below 10 µm in continuous operation.

6 MACHINES

(2) – Okuma LT-10M, Twin Spindle, Twin Turret, Turning Centers

- Live Tooling and C-Axis on both turrets, simultaneous turning on both spindles
- Polygon Turning Kennametal KM quick change tooling on both turrets
- 2" & 2½" bar capacity
- Midaco 3-foot barfeeder
- Parts Conveyor, "lights out" running capability

(3) – Okuma LT-200MY, Twin Spindle, Twin Turret, Turning Centers

- Live Tooling and C-Axis on both turrets, simultaneous turning on both spindles
- Y-Axis milling on the A-turret
- Kennametal KM quick change tooling on both turrets
- 2" & 2½" bar capacity
- Midaco 3-foot barfeeder
- Parts Conveyor, "lights out" running capability

(1) – Okuma LFS, Twin Spindle, Twin Turret, Turning Center

- Integral gantry robot for load/unload and part transfer from spindle to spindle
- 2 integral load/unload tables
- Live Tooling, C-Axis on both turrets, simultaneous turning on both spindles
- 6" chuck capacity
- .5 micron controller