

# Milling & Multi-Axis Machining



## **Okuma MB-46VAE**

- XYZ Travel: 30 in × 18.1 in × 18.1 in
- 3-axis vertical machining center equipped with a rotary 4th-axis table
- Spindle: 15 hp, 8,000 RPM
- Tool capacity: 32 tools
- Table size: 39.4 in × 18.1 in, supports up to 1,543 lb
- Known for excellent thermal stability and repeatability within  $\pm 0.0002$  in



## **Mori Seiki NV-5000**

- XYZ Travel: 40.2 in × 20.1 in × 20.1 in
- 3-axis vertical machining center (rotary tables can be added for 4th/5th axis work)
- Spindle: 30 hp, up to 14,000 RPM
- Tool capacity: 30 tools standard
- Table size: 52 in × 23.6 in, supports up to 2,645 lb
- High-speed machining with rapid traverse rates and thermal compensation

# Turning & Turn-Mill



## **Okuma Genos L250-II-E**

- Max Turning Capacity: 8.7 in diameter × 19.7 in length
- Bar Capacity: 2.0 in (2.6 in spindle bore)
- 2-axis lathe with 12-station turret
- Spindle: 15 hp, 6,000 RPM
- Compact machine ideal for small-to-medium precision parts



## **Okuma Genos L2000-e**

- Max Turning Capacity: 9.1 in diameter × 19.7 in length
- Bar Capacity: 2.0 in
- 2-axis lathe with 12-station turret (live-tool ready)
- Spindle: 20 hp, 5,000 RPM
- Thermally stable platform for holding tight tolerances in production runs



## **Mori Seiki NL-2000**

- Max Turning Capacity: 14 in diameter × 20–23 in length
- Bar Capacity: 2.5 in
- Multi-axis lathe with Y-axis ( $\pm 2$  in), live tooling, C-axis contouring, and sub-spindle
- Spindle: 20–25 hp, 5,000 RPM
- Fast turret indexing (0.25 seconds) and rapid traverse speeds for efficient machining



## **Okuma Multus B200-W**

- Max Turning Capacity: 23.6 in diameter × 31.5 in length
- Bar Capacity: 4.0 in
- 5-axis turn-mill with full contouring: X, Y, Z, W, B-axis head, and C-axis on both spindles
- Milling Spindle: 15 hp, 12,000 RPM
- Ideal for complex, multi-face parts machined in a single setup

# Cutting, Forming, & Press Work



## **Diamond BB-4013 Electric Press Brake**

- Rated Capacity: 40 tons
- Max Bend Length: 50 in
- Stroke: 6 in
- Precision:  $\pm 0.00004$  in ram repeatability
- Excellent for thin-gauge precision forming



## **Komatsu HIF-35 Servo Press**

- Rated Capacity: 38.5 tons
- Bed Size: 27.6 in  $\times$  15.7 in
- Stroke: 3.1 in
- Precision:  $\pm 0.0008$  in at bottom dead center
- Programmable slide motion for forming, coining, and embossing applications



## **Omax 2652 Waterjet Machining Center**

- Cutting Envelope: 48 in  $\times$  24 in  $\times$  8 in
- Pressure System: 30 hp pump at 50,000 PSI
- Precision:  $\pm 0.001$  in repeatability,  $\pm 0.0025$  in circularity
- Handles nearly any material up to 4 in thick
- Optional accessories: rotary axis and Tilt-A-Jet head for taper control