



Alpha Lehigh Tool and Machine Company, Inc.

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CNC MACHINING CENTERS

- (1) Mazak HCN-6800-II Horizontal Machining Center, 3 and 4 axis milling, rugged CAT50, 50HP spindle motor, 41 x 35 x 38 travel, (**new 2015**).
- (1) KIA / Hyundai KH63G Horizontal 37X32X30 travel with two 24.7" pallets, 35 HP motor, up to 8000 RPM (new 2007).
- (2) Daewoo DMV-500 Verticals, big 40X20X20, rugged 20 HP, **3- and 4-axis** milling capabilities.
- (1) Daewoo ACE-H50 Horizontal, 28X24X24, pallet changers, 1-degree indexing.
- (1) Pratt & Whitney Viking Horizontal Machining Center, 48 X 48 X 26, 5-degree indexing table, Completely rebuilt and upgraded fall and winter of 2007-2008.
- (1) Okuma Howa Millac 2 Horizontal, 24 X 20 X 16.

MILLING MACHINES

- (2) Trak DPM SX3P Manual / CNC 3-Axis Bed Mill (**new 2014 and 2015**)
- (1) Trak DPM Manual / CNC 3-Axis Bed Mill - 31" x 17" x 23.5".
- (2) Bridgeport-type Knee Mills - 48" X 9" tables, 27" X 12" X 16".
- (1) Niigata 3UMA Universal Milling Machine - 40" X 16" X 16" travel,

HORIZONTAL BORING MILL

- (1) Giddings & Lewis 5"; 84 X 72 X 72 travel, 48 X 98 table

DRILL PRESSES

- (4) Free-standing Drill presses.
- (1) Milwaukee Portable Drill Press with magnetic base.

CYLINDRICAL GRINDERS

- (1) Landis Type 4R Semi-Automatic - 14.97" X 72", External
- (1) Jones & Shipman Model 1300 - 10" x 27", Universal.
- (1) Jones & Shipman Model 1305 - 10" X 40", Universal.
- (1) Jones & Shipman Model 1049 - 10" X 18", External, "production".

BLANCHARD & SURFACE GRINDERS

- (1) Nagase W-7 hydraulic feed Surface Grinder - 23" X 35" X 15H".
- (1) Okamoto 16-24 hydraulic feed Surface Grinder; 16" x 24" x 20"H.
- (1) Thompson Model B Surface Grinder - 10" X 24" magnetic table.
- (1) Harig 618 Precision Surface grinder (purchased 2014)
- (1) Blanchard Grinder Model 18 - 36" magnetic rotary table.
- (1) Boyar-Schultz Surface Grinder - 6" X 18" table.

CNC LATHES

- (1) Doosan Puma 2600 CNC Turning Center, 19 X 30, 30 HP, **new 2014**.
- (1) Daewoo Puma 12L CNC Turning Center, 23 X 40, 30HP.
- (1) Daewoo Puma 8 CNC Turning Center, 18 X 14, 20 HP.

ENGINE LATHES

- (1) Lodge and Shipley Superturn 3220 - 34" X 96"; 7-3/4" hole; 50 HP.
- (1) Sharp Lathe, 22" swing over bed x 80" between centers.
- (3) Dong Yang High-Speed Precision Lathes - 18" X 59".
- (1) Kohema KHL - 14" X 40".

WELDING - Complete welding capabilities

- (4) Welding machines up to 600 amps.
- (1) Squier Semi-Automatic Welder - 600 amp heliarc.
- (1) Miller Plasma Burner (new 2010).

MISCELLANEOUS

- (1) Kalamazoo H13A Automatic Band Saw -automatic.
- (1) Kalamazoo 8CD Band Saw - 8-3/4" dia. max.
- (1) Grob Vertical Band Saw
- (1) Hyd-Mech Cold Saw
- (6) Pedestal & Belt-sanders, various sizes.
- (1) Press Brake / Shear (new 2012).
- (1) Snap-on Bead Blaster - glass bead.
- (1) Tumbler



QUALITY ASSURANCE DEPARTMENT

Rigorous quality management system, with full-time inspector...

- (1) DEA "Swift" Coordinate Measuring Machine - 16" X 20" X 13"
 - (2) Scherr-Tumico Optical Comparator - 31-1/4X to 100X
- Extensive collection of gauges and inspection tools...



COMPLETE **MACHINE-BUILDING CAPABILITIES**
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ELECTRICAL, & PNEUMATIC **ASSEMBLY**,
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