

Alpha Lehigh

TOOL AND MACHINE COMPANY, INC.



Precision Machining

Alpha Lehigh is a full-service machine shop with forty highly skilled and experienced employees. We are the most **versatile** job shop in all of western New Jersey and northeast Pennsylvania, and **we'll ship anywhere in the country**. (We have our own trucks, and with Federal Express, UPS and RPS, we're only a half-day away!)

Any quantity, any material: We have the equipment and know-how to handle prototype work, short runs, and even large production runs. We'll machine carbon and structural steel, alloy steel, stainless steel, aluminum, brass, bronze, castings and cast iron, any other metal, plastics, phenolics, neoprene, you name it!

Milling Machines - Alpha Lehigh has mills of all sizes. We have several Bridgeport-style knee mills, larger mills of various sizes, and even a Horizontal Boring Mill (which handles pieces up to 84"X72"X72").

CNC Machining Centers - For larger-quantity precision milling, drilling, tapping, or contouring jobs, we offer six computer-controlled machining centers. All have automatic tool-changers, and two have pallet-changing systems. Our largest machining center can handle workpieces up to 48" X 48" x 26".

Conventional Lathes - Alpha Lehigh has 14 traditional "engine lathes" for your smaller-quantity jobs; our largest is a vertical turret lathe which handles pieces up to 57" dia. with workpiece weight up to 14,000 pounds (7 tons)!

CNC Turning Centers (CNC Lathes) - We also have three computer-controlled CNC Turning Centers for your larger orders. These machines are extremely rigid and precise with automatic tool turrets.

Grinding - Alpha Lehigh has six cylindrical grinders with capacities up to 15" swing & 72" length. We also offer a 36"-dia. rotary surface grinder and several other surface grinders of various sizes.

And, we have the contacts you need! In addition to the machining, we can send your parts to our vendors for any **special coatings, heat treating, plating, or other specialized operations** which you may require. In fact, one of our biggest selling points is the fact that we can handle everything for you. We are a **full-service one-stop shop**.

If you have a concept, we have the solution!

Alpha Lehigh designs and builds custom machinery! We've been in business since the 1950's, and we have a long history building custom equipment. We've built over 500 heavy-duty hydraulic presses, hundreds of precision rotary cutters, dozens of paper embossing machines, custom candy wrappers, book-binding machinery, engraving machines, powdered metal equipment, orbital stretch wrappers, roll grinders, hydraulic guillotines, and the list goes on and on... We have full welding and painting capabilities. We have highly skilled assembly personnel who can assemble, test, and troubleshoot any mechanical, electrical, hydraulic, or pneumatic system.

You imagine it, we'll build it.

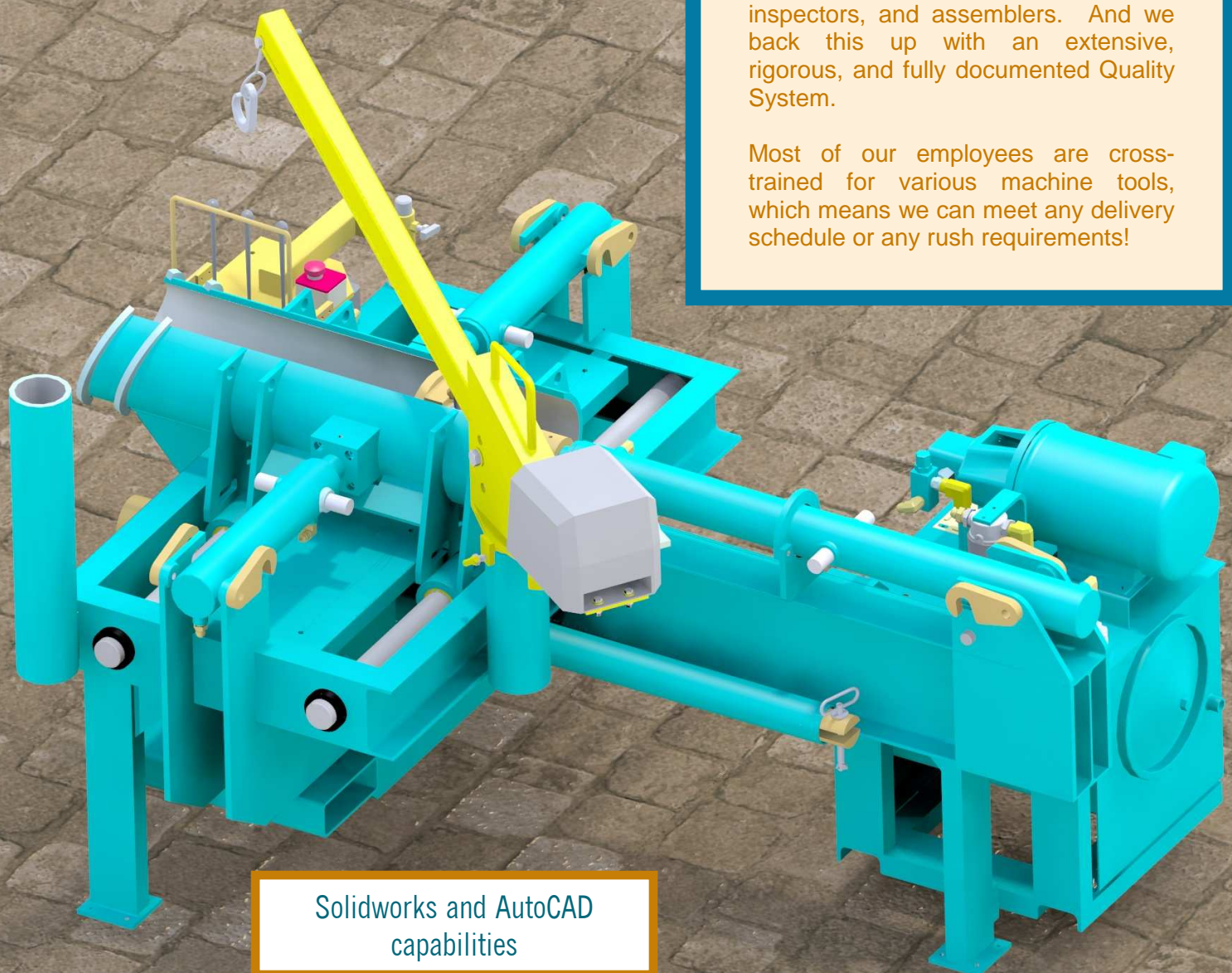
Alpha Lehigh

Quality Workmanship, Satisfied Customers

Hard-earned customer loyalty is the reward for our attention to quality and our focus on our customers' needs.

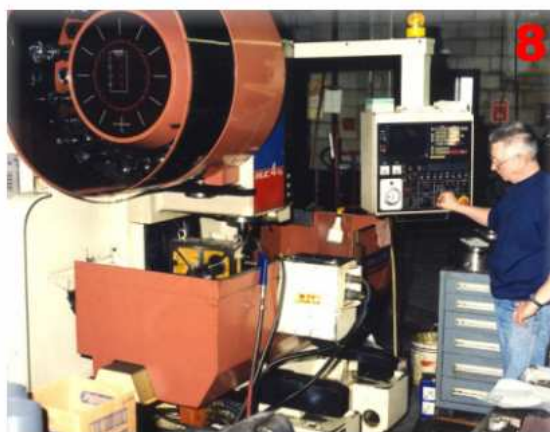
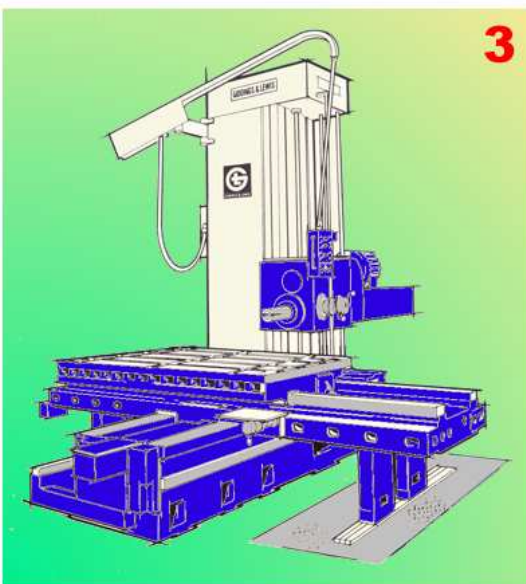
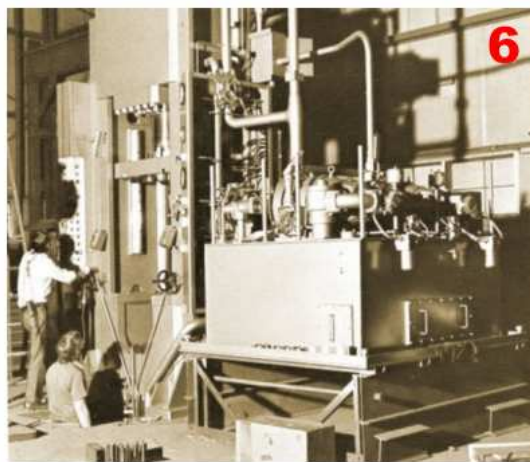
We pride ourselves on the skill and craftsmanship of our many machinists, inspectors, and assemblers. And we back this up with an extensive, rigorous, and fully documented Quality System.

Most of our employees are cross-trained for various machine tools, which means we can meet any delivery schedule or any rush requirements!



Solidworks and AutoCAD
capabilities

Precision work...



...on time, every time!



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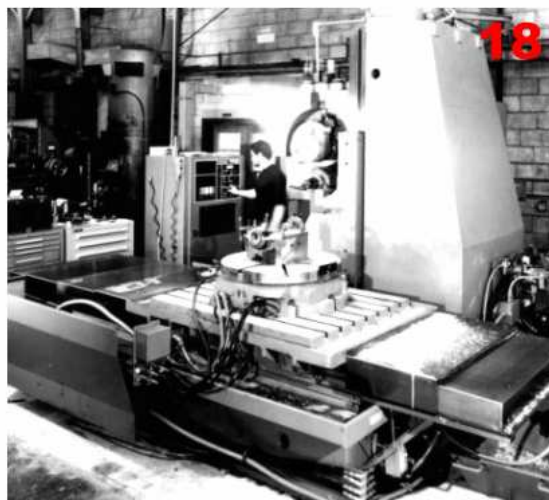
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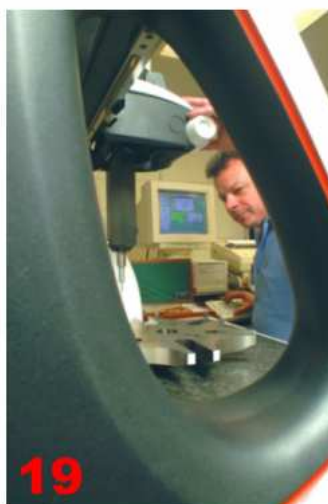
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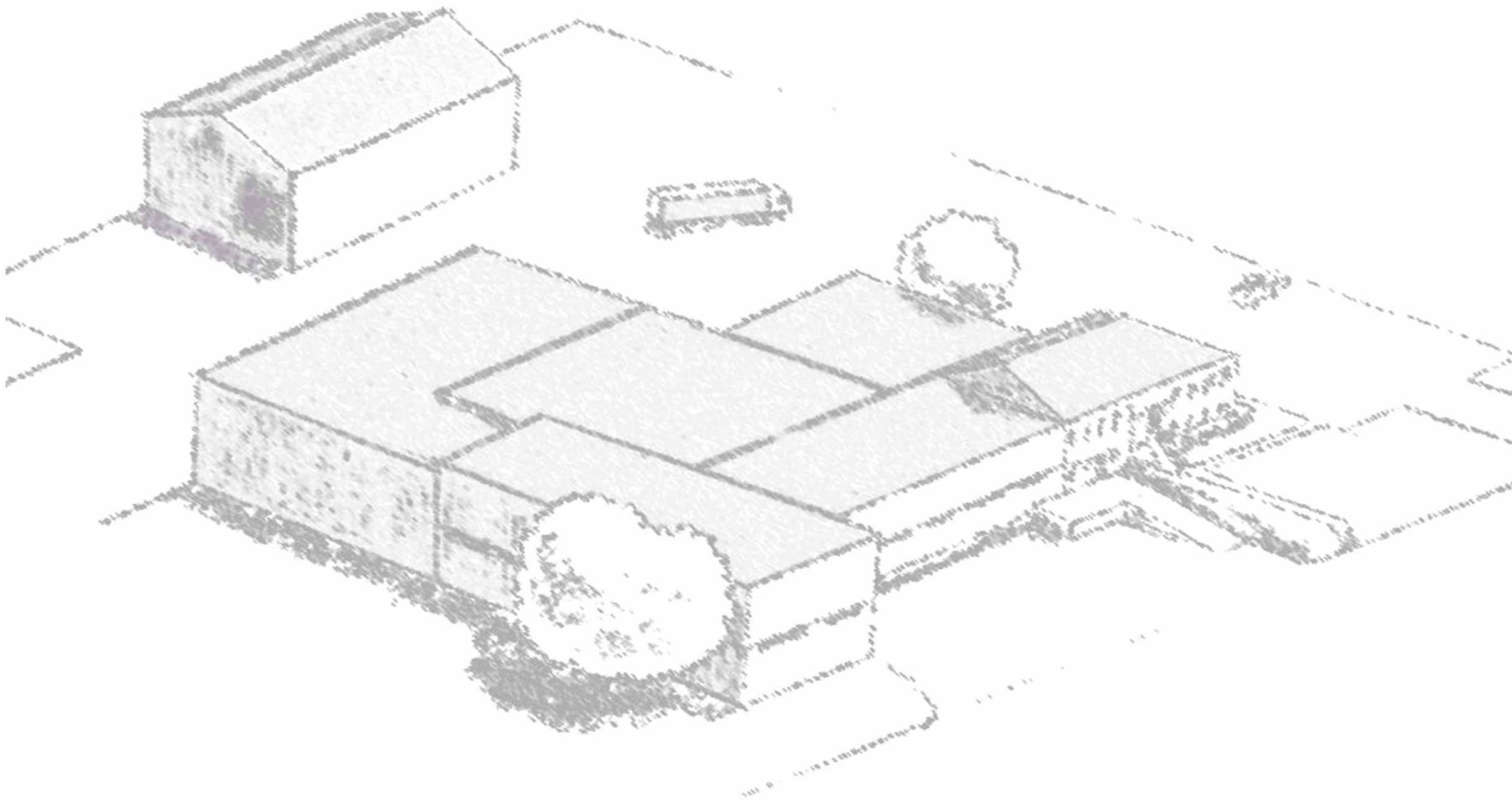
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1. Three CNC Turning Centers
2. Eight Lathes
3. Large Boring Mill, Rebuilt in 1998
4. One of our larger Lathes
5. Two programmable Bed Mills
6. Full Machine Building Capabilities !
7. Seven Cylindrical Grinders
8. One of three Vertical Machining Centers
9. Two Horizontal Machining Centers With Pallet Changers
10. Large Vertical Turret Lathe
11. Seven Bridgeport-style Knee Mills
12. Full Welding Capabilities
13. Two Daewoo Vertical Machining Centers
14. Quality Control
15. Milling, drilling, tapping
16. Several Surface Grinders
17. Niigata Universal Milling Machine
18. Our largest CNC Horizontal Machining Center
19. Coordinate Measuring Machine for precise measurements

Alpha Lehigh



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