QUALITY MANUFACTURING DONE RIGHT THE FIRST TIME
EVERY TIME

CUSTOM ENGINEERING CO. / LAMJEN INC. (814)898-2800 / (814)459-5277
WWW.CUSTOMENG.COM / WWW.LAMJEN.COM
FACILITIES

Custom Engineering located at 2800 McClelland Avenue and Lamjen Inc. located just around the corner at 2254 East 30th Street in Erie, PA. Established in 1954 We are a quality driven company which is ISO – 9008, ASME Section VIII(U,R and S Stamps), AWS and TPG Certified.

We employ 60+ Certified welders and more than 30+ Highly trained machinists in more than 200,000 square feet of manufacturing space, which allows us to fabricate even the most difficult parts and fabrications, big or small.

Custom Engineering’s commitment to the latest technology and training allows us to hold tight tolerances of .0005” on features per your specifications, including, squareness, flatness and parallelism. Milled and Bored finishes are specific to the customer specification and quick turnaround consistently exceeds the expectations of even our toughest customers. We can machine medium to large projects exceeding 60’ long and 15’ 6” wide made from Carbon Steel, Aluminum, Alloy Steel, Stainless Steel, Copper and other Exotic materials.

As our name implies, we enjoy the challenge of custom jobs. We have the experience and equipment to do manufacturing jobs that no other company can do.
CUSTOM ENGINEERING CO. MACHINERY & EQUIPMENT

Custom Engineering Machinery and Equipment

Cranes
(2) 40 Ton Bridge
(1) 85 Ton Bridge
(3) 20 Ton Bridge
(6) 10 Ton Bridge
(12) 5 Ton Jib
(4) 3 Ton Jib
(3) 2 Ton Hoist Monorail
(2) 2 Ton O/H
(7) 2 Ton Jib
(1) 1.5 Ton Jib
(1) 1 Ton Bridge
(1) 1 Ton Chain Hoist Wall Mount

Grinders / Planer Mills / Boring

<table>
<thead>
<tr>
<th>Make</th>
<th>Type</th>
<th>X-Axis</th>
<th>Y-Axis</th>
<th>Z-Axis</th>
<th>W-Axis</th>
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<tbody>
<tr>
<td>SNK</td>
<td>CNC / HMC</td>
<td>118</td>
<td>78</td>
<td>83 Column</td>
<td>27.5 Spindle</td>
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<td>120</td>
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<tr>
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<tr>
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<td>N/A</td>
<td>N/A</td>
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Radial Drills

Make
(1) Carlton Small Radial Drill
(1) Cincinnati Bickford Chip Master
(1) Carlton 1A1456
(1) Ikeda RM-1000
(1) Cincinnati Bickford 19 Col’
(2) Custom Double spindle BTA Max 2” hole dia. X 20’ drilling depth one direction, 20’ total

BRING IT ON – LIFT CAPACITY UP TO 160,000 LB.
LAMJEN INC. MACHINERY AND EQUIPMENT

Lamjen Machinery and Equipment

Cranes
(2) 3 Ton
(1) 2 Ton
(1) 1 Ton
(1) 1000 lb.
(3) 550 lb.

Vertical and Horizontal Machining Centers (CNC)
(1) Okuma MA-50-HB
(1) Okuma ES-V3016
(1) Okuma MC-V4020
(1) Haas VF6/50 (NEW)
   Enhanced Memory, 15,000 RPM Spindle, High Pressure Cooling fluid
   X-Axis up to 64", Y-Axis up to 32", Z-Axis up to 30"

Turning Centers (CNC)
(1) Okuma Model LB 400-M (w/Live Tool Capability)
   X-Axis Travel 24" Max (OD), Z-Axis Travel 49" Max (Length)
(1) Mazak Quick Turn 18
(1) Okuma LU 15 4-Axis
(1) Okuma LA70
(2) Okuma ES-L6
   Chuck Range 8" through 15", X-Axis up to 18", Z-Axis up to 36"

Large Capacity Turning Centers
(1) Okuma V100R (Vertical) (CNC)
   Turning Capacity up to 42", Z-Axis up to 36"
(1) DeFum VTG (w/Digital Controls)
   Turning Capacity up to 53", Z-Axis up to 36"
(1) Haas ST40L (CNC) (NEW)
   Turning Capacity up to 25.5", Z-Axis up to 80"

Milling Machines
(8) Bridgeport Milling Machines
   Table Range up to 9" X 48"

Precision Surface and Cylindrical Grinding
(2) Harig Surface Grinders – 6" X 18"
(1) Shigiya G30 Cylindrical Grinder – 12" X 28" Length Diameter

Horizontal Boring Mill
(1) Shibura BT 108
   Work Envelope 54" X 45" X 60"

Manual Lathes
(1) Kent
(1) Mori-Seiki MH 2000G
(1) Sharpe 2680
   Max Swing 36", Length up to 120"

Inspection Equipment
(1) Bendix-Cordax 1810 CMM
(1) S-T Industries Optical Comparator 30"
(1) Brown & Sharpe Programmable CMM (NEW)
   Programmable from any customer supplied models
   Table size 40" X 56" X 28"
(1) Faro-Gage Fully Portable CMM
   Inspection radius of 2" with ± .0003 accuracy
   Fully articulating arm allows inspection of parts in one set-up

TIGHT TOLERANCE - .0005"
GUN DRILLS-CAPABLE OF DRILLING MILD STEEL, STAINLESS STEEL, ALUMINUM, COPPER AND MOST OTHER ALLOYS. DEPTH LIMIT OF 20' WITH DIAMETERS OF 1/4" TO 1 1/2"
•(1) High-speed twin spindle BTA
•(3) Conventional gun drills with vertical travel and digital readout
•(3) Horizontal twist drills
•(1) Radial arm drill

GRINDERS/PLANER MILLS
•(2) Rotary blanchard grinders, 72" rotary table (84" swing)
•(2) Planer mills, piece capacity 82" x 22' x 15' with 30 and 50 H.P. rail and side heads
•(1) Thompson surface grinder, 36" x 120" table
•(1) (New)Supertec over arm surface grinder 40"x118"

CRANES
•(2) 10 ton
•(4) 5 ton
•(2) 2 ton

CRANES
•(2) 10 ton
•(4) 5 ton
•(2) 2 ton

HORIZONTAL BORING
•(1) Manual horizontal boring mill with 4" bar
•(2) CNC horizontal boring mills: one with 4" bar and one with 5" bar
•(1) 5" Giddings and Lewis horizontal boring mill, table size: 73" x 168"

PICKUP/DELIVERY TRUCKS
•(1) 15' flat 18,000 G.U.W capacity
•(1) 1 1/2 ton stack

HYDROSTATIC TESTING FACILITIES

FLOW TESTING FACILITIES

World Leader in New, Replacement & Refurbished Heated Platens
WELDING AND FABRICATION

Welding Certifications and Capabilities

More than 200,000 Sq. Feet of manufacturing space
(60+) Certified welders employed
   In house certified welding inspector
   ASME – U, R and S Stamps
   ISO 9001-2008 Certified
   AWS Certified
   TPG Certified
(1) 3 bay Moto-man Robotic welding system
(35+) Medium to Large welding bays
(6) Precision Fit up areas to ensure a level surface and hold a tighter tolerance
(1) Plasma cutting table 144” X 280” with CNC control
(1) Oxy Fuel burning table 120” X 500” with CNC control
(4) Tank and pipe rollers up to 70,000 lbs.

Welding Materials
   Tungsten Inert Gas (TIG)
   GMAW (MIG)
   FCAW (Flux Core)
   Sub Arc Welding (SAW)
   Stick

Non-Destructive testing
   Ultrasound
   Radiographic
   Magnetic Particle
   Dye Penetrant
   Visual

DEDICATED TO ON TIME DELIVERY

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Fit up, Inspection, Packaging and Shipping
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