Koike Aronson, Inc./Ransome is headquartered in Arcade, NY. We are a proud supplier of advanced cutting machines, welding positioning equipment, portable cutting/welding machines, and gas apparatus. Our knowledgeable staff can assist you with virtually all your needs in metal fabrication. Koike Aronson/Ransome cutting machines can be customized to fit most requirements, and our welding and positioning equipment can be made to accept work pieces of nearly any size.

Our manufacturing area consists of a machine shop, saw shop, two assembly shops, a burn shop, and a weld shop. Handling nearly all manufacturing in-house helps us maintain our extremely high quality. Our factory uses 5S, a lean tool directive, that increases productivity through tidiness and improved organizational practices. We have the capacity to run three shifts with approximately 100 employees per shift. Machining capabilities range anywhere from a small nut to a large weldment. Most importantly, we use our own products to build our customers’ machines.

The Engineering Department is comprised of mechanical, electrical, and software engineers with over 250 combined years of design, process, and technical experience. Their knowledge allows us to apply proven designs to customer needs and to develop new technology for custom applications. AutoCAD, SolidWorks, and Cosmos software are used to optimize designs for standard products and to create custom solutions for specialized equipment. Our electrical and mechanical systems are designed to industrial standards for strength, reliability, and safety.

The Business Unit and Customer Service Representatives of Koike Aronson/Ransome offer our customers well over 170 years of combined experience. They work with our many distributors and manufacturer sales representatives to make sure you get quality products and the right equipment for your application. We encourage feedback, and are ready to work with you to keep your machine productive for many years.

The dedicated service technicians of our Field Service Department work as a team to keep machines running at top performance. This starts with sending pre-installation documentation to prepare our customers for machine delivery, installation, and training. Our website is filled with helpful information including the KAR Club, which offers numerous tips on troubleshooting, tuning your machine, and machine maintenance.
Koike Aronson’s Customer Visit Program was introduced to provide those looking to purchase equipment the opportunity to come visit us, meet our people, and tour our complete manufacturing facility.

Your visit to our facility is on us. All expenses paid for including: airfare, transportation, room and meals.

Call a Koike Representative for details and schedule your appointment today!

Phone: (585) 492-2400
Toll Free: (800) 252-5232
Fax: (585) 457-3517
Koike Aronson/Ransome, Inc. introduces the Lasertex Z series large gantry laser cutting machine. Breakthrough features of the Lasertex has been proven to reduce maintenance, decrease cycle time, and improve production throughput.

The Lasertex Z series produces highly accurate parts that can further reduce downstream production costs. The Lasertex series is the ultimate solution for the larger capacity and higher accuracy demands of today's industry.

**6kW Lasertex Z Series**  
Fanuc C6000i-B  
Mild steel cutting capacity: 1 in.  
Stainless steel cutting capacity: ¾ in

**4kW Lasertex Z Series**  
Fanuc Series C4000i-B  
Mild steel cutting capacity: ¾ in.  
Stainless steel cutting capacity: ½ in

**FEATURES**
- Sigma Box beam delivery system
- Unmanned Operation
- HSQ piercing includes AFT
- Common-line cutting
- Plate Collision Skip Function
- Superior cut accuracy
- Automatic plate detection
- Carriage Pendant Operation
- Chiller Included
- End of Job Machine Shut-down
- Setting of Cutting Conditions
- Stainless Steel cutting, Marking
- High-pressure nitrogen manifold
- Optimal cutting parameters provided
- Cutting length up to 150 ft
SIGMA BOX

- Stable & a higher quality beam for a longer time period
- Longer period between periodic maintenance
- Longer lifetime of optical components
- Fixed beam path for X & Y motion
- Eliminates constant beam path device & bellow system
- Operator friendly easy maintenance
- Higher safety
- Machine balance is the best.
  (resonator moves with traverse carriage)

Unlimited length of cut allows to run the machine “unmanned”, for scheduled laser cutting operation of multiple plate location and thickness.

Costs are significantly reduced, by operating the system unattended (lights out) during night shift hours, due to decreased cost of power and no operator interaction.

External beam path is fixed on the traverse carriage; guarantees better cut quality for longer period.
**HSQ Piercing (High Speed and High quality) Patent No. 2875626 and others**  
The High Speed & Quality (HSQ) system uses a servomotor to move the lens’ focal point downward during the pierce cycle while the nozzle is at higher position, and automatically adjusts the nozzle height and focal point after the piercing to have high quality cutting.

**AFT nozzle (Active Flow Technology) Patent pending**  
The AFT (Active Flow Technology) nozzle makes thick plate piercing and cutting stable, by controlling the heat to the plate.  
These features allow the Lasertex to run with improved cut quality, quicker pierce times, improved unmanned operation results, and significantly increased life span of the nozzle and lens.

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**Fanuc 4kW & 6kW Resonator**  
- Oil mist resolution element  
- Contamination collecting device  
- Nano-precise mirror holding unit  
- RF discharge style excitation

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**Optional Equipment**  
DOWN DRAFT TABLE and OPEN FRAME TABLE  
HEAD / TAIL STOCK for PLATE & TUBE CUTTING
# LASERTEX Z SERIES SPECIFICATIONS

## Specifications

### Positioning Accuracy

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<tr>
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<th>6Kw</th>
<th>4Kw</th>
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<td>±Positioning Accuracy</td>
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<td>±0.1mm/1000mm (±0.004&quot;/39.4&quot;)</td>
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### Rapid Traverse Speed

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<tr>
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<th>X axis</th>
<th>Y axis</th>
<th>Z axis (during automatic operation)</th>
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<td>24,000 mm/min (945&quot;/min)</td>
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<td>36,000 mm/min (1417&quot;/min)</td>
<td>24,000 mm/min (945&quot;/min)</td>
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Specifications Subject To Change

## LASERTEX SYSTEM DIMENSIONS

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<th>Rail Width</th>
<th>Overall Width</th>
<th>Machine Height</th>
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