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
See How Koike Can Make Metal More Profitable For You

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
The ShopPro offers fabricators unprecedented value for small shops

The Koike Aronson ShopPro is the company’s newest value-priced, made in America high performance cutting system, offering fabricators premium features in a package compact enough to fit in small shops. Ruggedly built, the ShopPro has the same reliability and accuracy found with all Koike Aronson cutting systems.

The ShopPro was developed with the help of feedback of fabricators and metal workers, who demanded a robust feature set at a reasonable price.

- **Dual Side Drive With Precision Ground Linear Bearings**
  Provides smooth and accurate motion

- **Precision Helical Gearboxes**
  With NEMA-34 Stepper motors.

- **Helical Gear Rack**
  With AGMA 12 grade ground pinions.

- **Water Table**
  with curved slats.

- **Emergency Stop Button**
  E-stop button located on each saddle quickly and safely shuts off machine motion and cutting process, including oxy-fuel gases to the torches.
CNC CONTROL AND OPTIONS

FlashCut CNC All-in-One Motion Controller and 21” Panel PC
- Adjustable PC mount with access to all connections reducing exposed cabling on machine.
- Integrated plasma torch height control follows the sheet surface at the precise height.
- Real-time visualization of toolpath and torch voltage settings.
- Completely integrated FlashCut CAD/CAM/CNC enables you to easily draw a 2D part, create the toolpath with leads, ins and outs, nest and cut.
- DXF import, image import and shape library with a multitude of menu-driven shapes.
- Integrated cut charts for plasma.
- Automatic kerf crossing detection in THC algorithm prevents unwanted diving.
- Made in the USA.
- On-board Completely integrated Flash Cut 2D
- CAD/CAM package
- Plasma Support Interface
- Oxy-Fuel Support Interface
- DXF/DWG import/Silhouette import
- Standard Grid Nesting
- On-board automatic true shape nesting software.
- On-board Lead in and lead out type, positioning and length adjustment.
- Customizable plasma cut charts for Hypertherm.
- Smart feedrate and THC handling of small holes.
- Overburn Support.
- Automatic cut settings based on material.
- Automatic Kerf Compensation.
- Easy CNC program flow control including Jump to Line.
- Forward and reverse processing.
- Fix Tool finds and corrects CAD mistakes instantly.
- Commonly Used Patel List.
- Tabbing Support.
- Assign different operations to each part.
- Cut Sequencing.
- Operation Sequencing.
- Drag, Delete, Rotate, Copy parts on nest.
- Cutout or Part Mode.
- Custom views of kerf width, cut direction, toolpath, rapid, and part geometry.
- Customizable poet processor.
- Kerf Crossing Detection.
- Dry and Momentary Run.
- Remote diagnostics.

FlashCut Pro Version Software Package Upgrade includes:
- Marker and Plasma Marking.
- Center Mark Dimpling.
- Advanced Small Hole Processing.
- DXF Export.
- True Type Font Support Without Exploding.
- Curved Text Around Any Shape.
- 3D Cutting Simulation.
- Automatic Lead-in on Re-Start.
- Smart Touch Off.
- Import of Parts From External Files.
- Multi-Sheet and Fill Sheet True Shape Nesting.
- Corner Looping.
- Advanced Lead-in and Lead-out Editing.
- Nesting of Multiple External CAD Files.

Koike D7 Cutting Tips
- Safer Option: Koike’s 100 Series tips are designed to reduce backfires to keep the operator and torch safe.
- High Quality: Each tip is thoroughly tested to ensure consistent high-quality cutting in every tip.
- Faster Cutting: Our high-speed divergent tip increases cutting speed by 20-28% over standard tips.
- Gas Savings: Gas consumption is reduced up to 26%.
- Durable: A stainless steel cutting oxygen liner results in the tip lasting up to five times longer over standard tips.

Optional Laser Pointer
Allows operator a visual indicator for plate alignment and torch positioning.

Optional Oxy-Fuel Torch
2” maximum material thickness.
Effective Cutting Width: [ ] Effective Cutting Length: [ ]

Material Types: [ ]

**Material Thickness Range**
Plasma Thickness: [ ]

**Plasma System**
- [ ] Hypertherm® Powermax 65
- [ ] Hypertherm® Powermax 85
- [ ] Hypertherm® Powermax 105
- [ ] Hypertherm® Powermax 125

Plasma Voltage: [ ]

**CNC Controller/Height Control Package**
- [ ] FlashCut Control with 21” Panel PC and KOIKE Torch Height Control

**Cutting Table**
- [ ] Water

**Other Options**
- [ ] FlashCut Nesting Software Standard
- [ ] FlashCut Nesting Software Pro

Scan to fill out electronically
# SPECIFICATIONS

**SHOPPRO**

<table>
<thead>
<tr>
<th></th>
<th>SP-44</th>
<th>SP-48</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effective Cutting Area</td>
<td>4 ft x 4 ft</td>
<td>4 ft x 8 ft</td>
</tr>
<tr>
<td>Effective Cutting Width</td>
<td>48 in</td>
<td>96 in</td>
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<tr>
<td>Effective Cutting Length</td>
<td>48 in</td>
<td>48 in</td>
</tr>
<tr>
<td>Rapid Traverse Speed</td>
<td>1000 IPM</td>
<td>1000 IPM</td>
</tr>
<tr>
<td>Machine Width</td>
<td>78 in</td>
<td>126 in</td>
</tr>
<tr>
<td>Machine Length (CNC not included)</td>
<td>72 in</td>
<td>72 in</td>
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<tr>
<td>Table Dimensions</td>
<td>78 in x 72 in x 56 in</td>
<td>126 in x 72 in x 56 in</td>
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<tr>
<td>Machine Weight</td>
<td>1300 lb</td>
<td>2200 lb</td>
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<tr>
<td>Tool Capacity</td>
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<tr>
<td>Water Capacity</td>
<td>65 gallons</td>
<td>110 gallons</td>
</tr>
<tr>
<td>Table Capacity</td>
<td>2 inch Mild Steel</td>
<td></td>
</tr>
<tr>
<td>Machine Voltage</td>
<td>115/1/60 @ 15 AMP</td>
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</tr>
<tr>
<td>CNC Controller</td>
<td>FlashCut CNC 21&quot; Panel PC</td>
<td>Stepper</td>
</tr>
<tr>
<td>Drive System</td>
<td>Stepper</td>
<td>Water Pan Insert</td>
</tr>
<tr>
<td>Table Type</td>
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</tr>
</tbody>
</table>

## Rack and Pinion Drive System

- **Stepper Motors**: (3) 954 oz-in NEMA-34
- **Gear Reduction**: (3) Precision Helical 10:1 gearboxes
- **Linear Guidance**: 25mm Profile Linear Rail, 30mm Gantry
- **Gear Engagement**: Direct Drive Helical Rack and Pinion
- **Gantry Carriage**: Solid Steel Construction
- **Traverse Speed**: 1000 IPM
- **Machine Repeatability**: 0.0015 in
- **Frame Construction**: 7 Gauge Mild Steel