

Capabilities

www.crenlo.com | 507-289-3371



Cab
Products





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Welcome to Crenlo

From our very first product designed and built over 60 years ago, we have become an industry leading company, serving customers in various markets, including long-term relationships with many of the nation's most respected Fortune 100 companies. We are proud of our heritage and look forward to sharing it with you.





A definition of excellence that consistently meets your expectations.



Our Company

Crenlo is located in Rochester, Minnesota with two facilities, totaling 43 acres and enclosing more than 600,000 square feet. Our employees at these sites utilize the latest in modern manufacturing technologies, all backed by a quality-driven culture, expert service and on-time delivery.

Each facility incorporates rigorous, lean manufacturing techniques and possesses a full complement of laser centers, robotic weld stations, tube-bending capabilities and advanced assembly technologies.

Crenlo serves many markets with value-added products and superior design solutions. Crenlo's total capability accommodates customer specifications of most any size, shape and content. A relentless customer commitment drives our ongoing excellence.



Our customers are consistently amazed at the breadth of our product offering.



Our Products

Crenlo's product offering is divided between two brands. Each brand is well-recognized in their respective markets. Although the products look vastly different, they both draw upon the same skill sets: world class metal fabrication, cutting-edge robotic welding, high-level paint finishes and value-added assembly. These skills are transferrable between products, giving us the flexibility to meet demand surge requirements.

Regardless of the brand, our products all have one thing in common. They are born out of a clearer vision, using the latest manufacturing technologies. They are also produced by people with an exceptional work ethic and a commitment to product quality and customer satisfaction.



Cab Products

Crenlo's Cab Products' total capability accommodates customer specifications of any size, shape and content. As the technology leader in cost-effective cab design, we provide you with "Best-In-Class" product design, quality, tooling services and manufacturing engineering excellence.



Agriculture

Supplying cabs for track type ag tractors, as well as various sprayer applications, where chemicals, dust and particulates protection is required.



Specialty Truck

Serving refuse, waste and other severe duty markets with a low cab forward designed Cab in White (CIW).



Material Handling

Crenlo is a cab supplier to leading crane manufacturers, ranging from lattice booms to rough terrain, as well as telehandlers and skid steer loaders.



Industrial

Markets served range from tractor cabs for terminal trucks used in distribution warehouses, rail yards and dockside to sweepers and grounds maintenance equipment.



Construction

Both heavy and light construction markets are served with cabs supplied for wheel loaders, back hoe loaders, hydraulic excavators, graders and compaction equipment. This equipment would be used widely from residential to mining to major infrastructure construction projects.



Other

Roll Over Protective Structures (ROPS) for a wide variety of industrial and commercial applications, where operator protection is required in case of machine roll over.



Under the Emcors trademark, Crenlo designs, manufactures and integrates electronic equipment enclosures and consoles for technological applications. In addition to offering eight standard enclosure product lines, Emcors excels at providing modified and custom solutions to meet specific market and application needs.



Product Mix



Standard Product

Our eight different standard product lines provide solutions for nearly any customer, market or application need. Our knowledgeable sales team can assist with proper product selection.

Modified Product

Crenlo recognizes that one size does not fit all, and even with a wide offering of standard product, customers frequently require modifications for their application needs. We excel at processing these unique requests.

Custom Product

Often, a customer's application requires a unique custom design. In these cases, the Crenlo team can offer design services and solutions to meet the needs of any product specification, from examining current product prints to completing new product development.



We utilize the latest technologies and equipment to ensure a process that results in the highest quality.



Our Process

At Crenlo, the manufacturing and engineering teams work together to ensure that you are receiving a product that meets or exceeds your expectations. Our designs frequently involve a product development team that includes a sales engineer, a design engineer, and manufacturing and quality engineers. This team works directly with the manufacturing teams of welding, electrical, finishing and packaging. Even after production, we continue to follow up with superior customer service and support.

Our lean manufacturing culture allows us to have schedule flexibility and better facilitate control in meeting customer delivery requirements.

Engineering

At Crenlo, you can count on our expert resources and engineering capabilities to support any stage of your project, from concept to production. Our engineers are trained on the latest versions of design software, and in most cases, will be able to work in your native file format.



Conceptualization

- Project management
- Scope definition
- Conceptual design
- Specification development
- Design structural analysis (linear and non-linear)
- Project cost estimating
- Proposals
- Aesthetic design



Design

- Design for manufacturing
- Vision and ergonomic models
- Seismic design
- EMI shielded design
- Shock and vibration design
- Environmental sealing (outdoor or indoor)
- Vendor and supplier selection
- Structural analysis (linear & non-linear)



Drafting

- Rendering and animations
- File sharing FTP
- BOM management
- Print management
- Expertise in all major CAD platforms
- ANSI standard practices
- Layered architectural prints for Rivet or Microstation



Prototyping/Manufacturing

- Non-tooled samples
- Concept validation
- Rigorous ECR/ECO process
- Review / evaluation prior to the investment in production tooling
- Pilot line - Initial tool tryout is completed in a controlled environment
- Concept validation - Flexible tooling systems provide early process tryout with minimal customer risk/investment



Testing

- Seismic certification testing
- EMI shielding evaluation
- Shock and vibration
- Seat belt pull tests
- Thermal and air flow analysis
- Horizontal forces up to 150,000 lbs
- Vertical forces up to 300,000 lbs
- ROPS, FOPS, OPS per various industry standards*

*Your design can be tested and certified to several industry standards such as:
ANSI, ASABE, ISO, SAE, OSHA.

Manufacturing

At Crenlo, our manufacturing team has the knowledge, skills and techniques to consistently build a broad range of high quality products. We are continuously analyzing productivity, and looking for ways to make our processes better, faster and more affordable.



Converting Raw Material

We utilize the latest processes and technologies to convert raw material to close tolerance component parts.



Welding

The most demanding welding requirements are achieved on a wide variety of materials to ensure durability, safety and structural integrity.



Painting

We utilize a powder paint system that provides a high quality, durable and corrosion resistant finish. We also have e-coat capabilities if needed.



Assembly

We manage and control many of our customers' unique assembly requirements, including integrating customer specified purchased components into final assembly.



Packaging

A product is not complete until it is carefully packed, crated or skidded to ensure products are protected during shipment. We understand your packaging requirements.



Shipping

In many instances, trailer load quantities and LTL quantities of product can be delivered by Crenlo's own fleet. This allows for damage-free delivery of our products at a competitive rate.



Our technology has evolved over the years, but our concern for our customer's need has never changed.

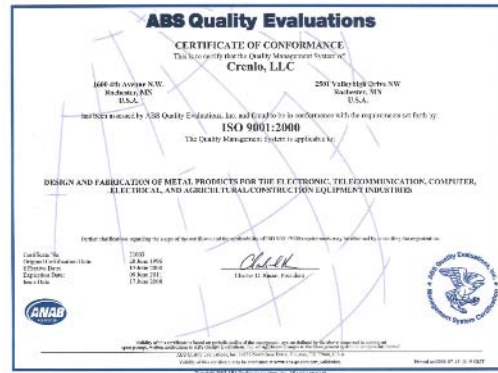


Our Commitment

Crenlo's objective is to define our customer's quality requirements, and to produce products and services that meet or exceed those expectations. Crenlo is committed to continuous improvement through education, process advancements and problem prevention.

Quality Control

Quality control at Crenlo is more than just a final inspection. Quality is fundamental to the entire design and manufacturing process. We employ the latest technologies, we audit quality at every operation and we inspect only with the best of instruments and equipment. Crenlo is an ISO 9001:2000 certified company.







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