

Expect a higher level of customer service.

Anderson Dahlen partners with our customers to provide customized solutions that range from the design and build of turnkey systems to the manufacturing of individual component parts and assemblies. Our decades of experience in manufacturing and project management allow our customers the confidence to let us manage the project for them.

Since 1942, Anderson Dahlen has been providing unrivaled service and customized results to companies both local and global. We have the experience and expertise, as well as the latest manufacturing tools and technology, to efficiently handle your most challenging projects.

Experience the way we support our customers, and you will see why many of our customers have been with us for decades.

**Contact Anderson Dahlen for your next project:  
call 763-852-4700 or visit [AndersonDahlen.com](http://AndersonDahlen.com).**

Shaping  
bright  
ideas  
into  
brilliant  
results



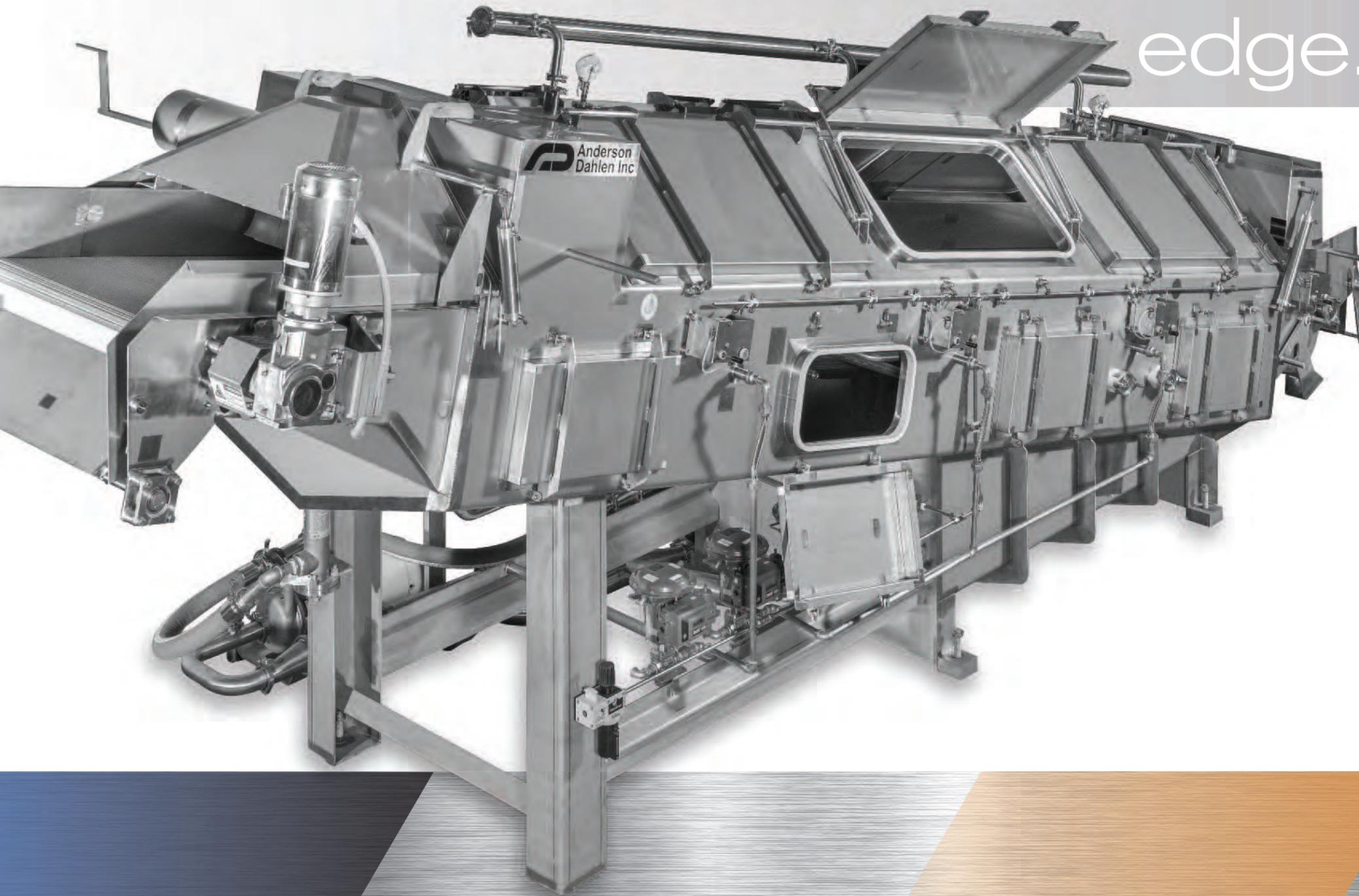
**Anderson Dahlen Inc**  
6850 Sunwood Drive NW  
Ramsey, MN 55303

763 852 4700 Main  
763 852 4790 Fax  
[Info@AndersonDahlen.com](mailto:Info@AndersonDahlen.com)  
[AndersonDahlen.com](http://AndersonDahlen.com)  
ISO 9001: 2008 Certified

FOOD PROCESSING  
CHEMICAL  
VACUUM  
POWER GENERATION  
PHARMACEUTICAL  
INDUSTRIAL



# Seven decades of sharpening the Anderson Dahlen edge.



**For over 70 years, we've been providing world-class metal fabrication and equipment integration services to leading multinational companies ... continuously shaping bright ideas into brilliant results.**

**To what do we owe our success? Several unique Anderson Dahlen advantages.**

- Unparalleled craftsmanship and expertise
- Single source responsibility
- Confidentiality – total protection of your proprietary designs
- Accountability – a project manager is assigned to every project, every client

Everything comes together to create distinctive value-added solutions for you and your customers. From concept to completion, you can expect more from Anderson Dahlen.

## Our Process: Engineer/Design

Working with your team, we interpret ideas and refine the engineering to create intelligent, manufacturable designs – it's part of the Anderson Dahlen edge.

# Unparalleled craftsmanship and expertise from a single source.

**Total control ... your entire project is managed by Anderson Dahlen, from initial design through final assembly, shipment and installation. Our resources become your resources.**

**We offer extensive design and engineering support, whether you bring us a hand-drawn concept or a finished 3D model and detailed specifications. Then our team of skilled craftsmen utilize the latest manufacturing technologies available to support your requirements.**

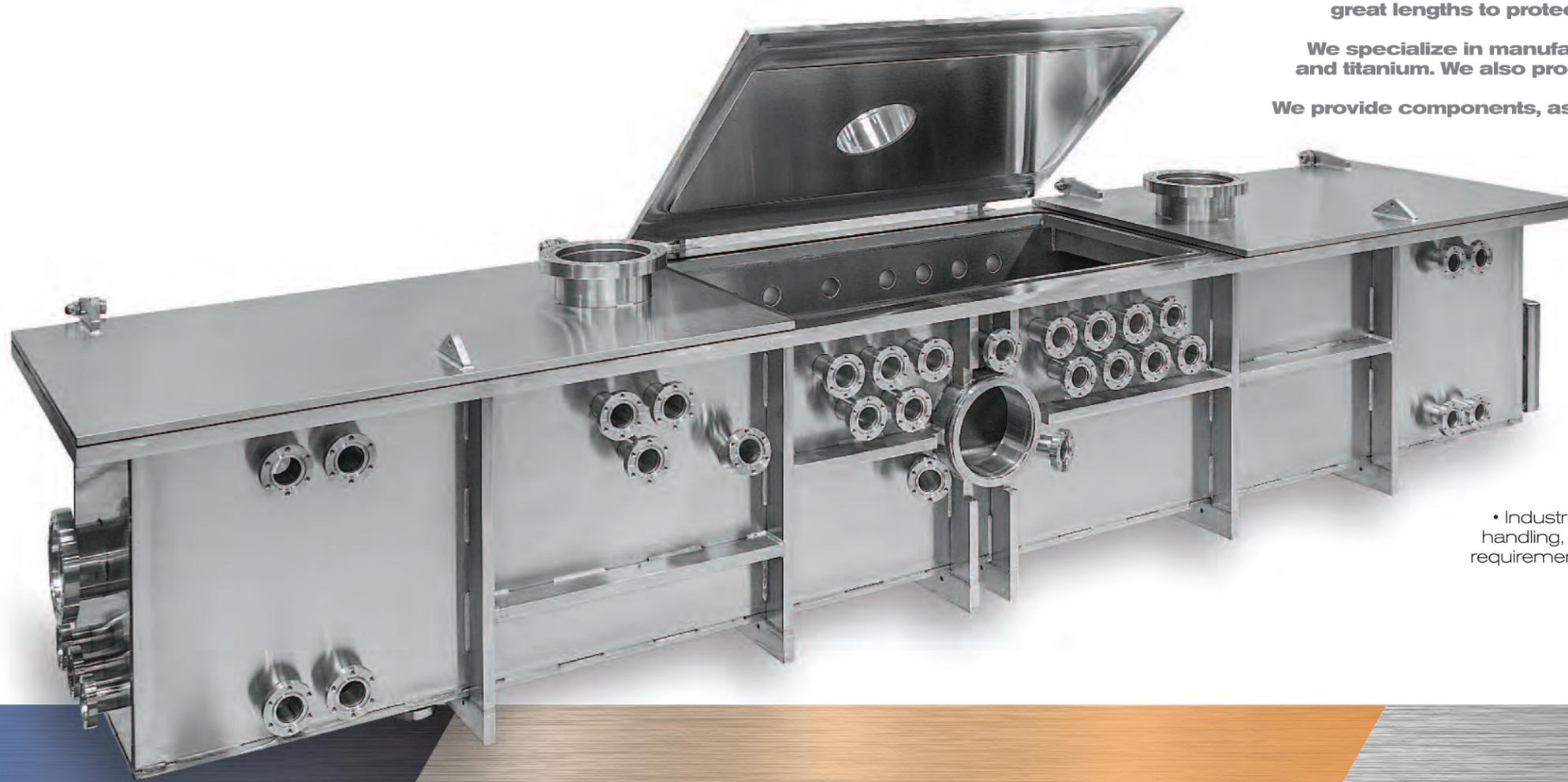
- Extensive raw material inventory on hand – stainless sheet, bar pipe, tubing and plates to 4" thick – allows us to react quickly and reduce project lead times.
- Complete in-house fabrication services including laser plasma and water jet cutting up to 8" thick materials, sawing to 24" diameter, metal forming to 16', plate rolling to 12' long.
- Complete in-house machine shop featuring 6 CNC boring mills with travels up to 240" x 144", 9 vertical machining centers with travels up to 84" x 40", 6 CNC live tool horizontal lathes with travels up to 320" long and 50" diameter, 2 CNC vertical lathes with live tools with travels up to 78" diameter and 75" under rail.
- Over 70 certified welders on staff including 3 Certified Welding Inspectors providing TIG, MIG, Sub-Arc, Orbital and automatic seam welding utilizing hundreds of qualified weld procedures covering AWS, ASME and API.
- Complete metal finishing capabilities – grinding and polishing to a wide range of finishes including mirror finishes; glass bead blasting also available.



We set up and run each job independently. Because we manage custom projects with 1-off builds and production orders on critical timelines, all our fabricators need to be skilled in all aspects of the fabrication process to assure positive results.

.....Our Process: Fabrication.....

# Confidentiality is paramount, it's *your* design.



**Anderson Dahlen specializes in prototype and low-volume manufacturing projects. Every project is unique, and we understand that every customer's design is proprietary. We go to great lengths to protect the confidentiality of that design.**

**We specialize in manufacturing using stainless steels and nickel alloys, as well as aluminum and titanium. We also produce products using carbon steel at a separate manufacturing location.**

**We provide components, assemblies and turnkey equipment for a variety of industries.**

- Food processing and manufacturing equipment used world-wide by large multi-national corporations and smaller specialized companies.
- Chemical processing with products for reacting, mixing and blending, refining and separation.
- Pharmaceutical and biological sciences, including cell growth ingredient processing media reactors, blending and batching systems for both liquids and powders.
- Vacuum chambers used in advanced material coatings, space simulation, furnace and heat-treating, nuclear and particle physics research.

In 2013 Anderson Dahlen acquired Applied Vacuum Technology, a specialized product division focused on chambers, assemblies and components for high and ultra-high vacuum. AVT's products tend to be smaller in scale and typically designed for higher vacuum ranges, extending into extreme vacuum (XHV) applications.

- Industrial and power generation, with components and assemblies used in nuclear fuel handling, requiring us to meet the most challenging specifications and documentation requirements.

With some of the largest machining equipment in the Upper Midwest and over 70 certified welders, we're equipped to handle virtually any project, large or small, simple or complex.

.....Our Process: Machine/Weld.....



# A project manager for every customer, every project.

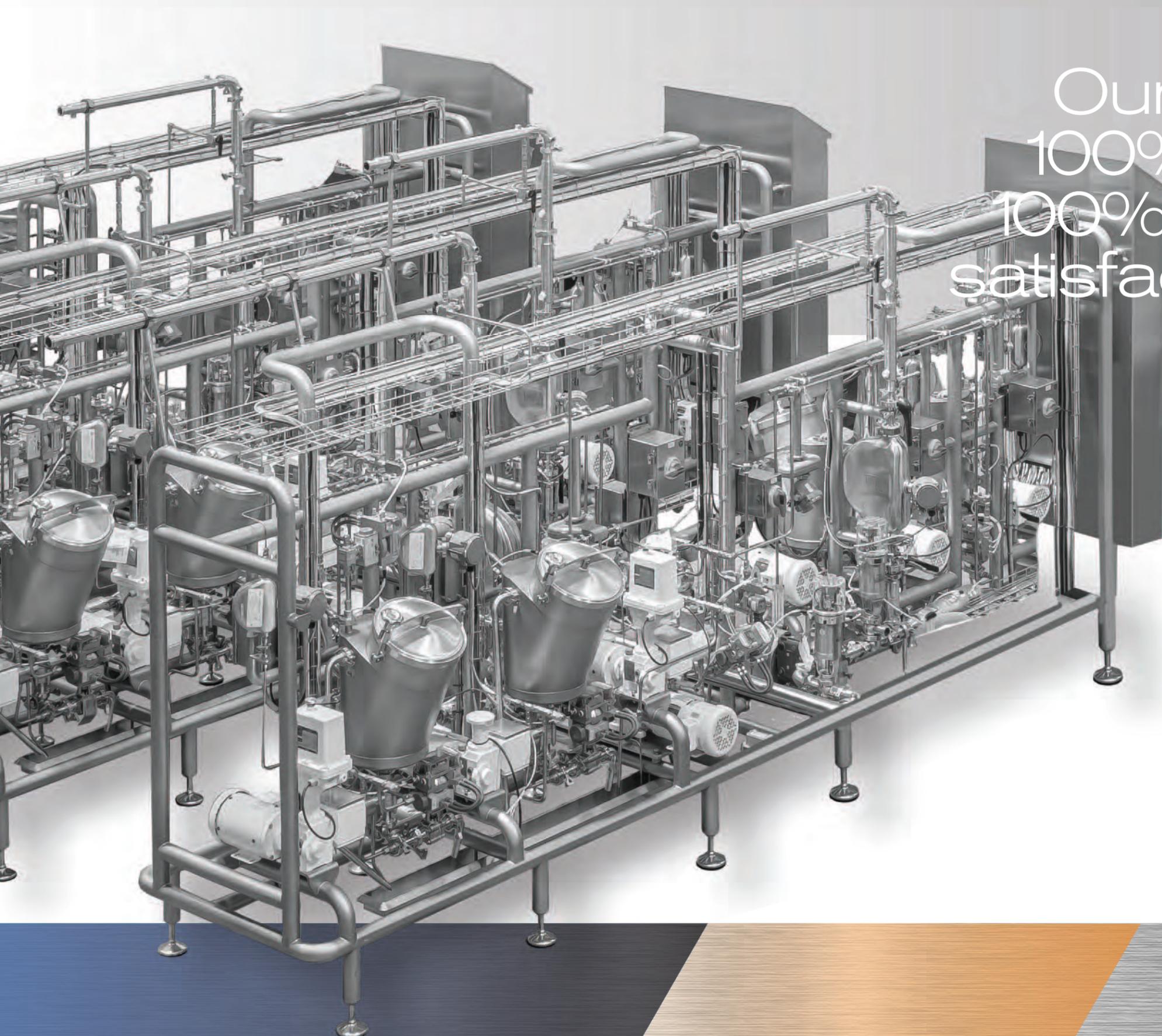
**The project manager is your single point of contact at any time, for answers to any question. Weekly team meetings keep everyone on track. So you'll always know where your project stands in the production cycle. Each manager is experienced in managing design-build projects, systems and site installations.**

**Our project management system follows these steps:**

- Initiate – each manager works closely with the customer team to determine and document the requirements for the project.
- Plan – organize and plan the work including engineering, fabrication, assembly, inspection, testing and installation to meet the customer's delivery requirements.
- Monitor and control – the project manager is your primary contact, regularly monitoring and reporting progress milestones, facilitating change requests or drawing revisions, ensuring your project stays on track.
- Follow-up and follow-through – provide after-sale support as needed.

Assembly services run the gamut from simple piece assembly to full-on, large-scale and intricate construction. We will also test assemble a project to ensure a trouble-free installation.

.....Our Process: Assemble



Our goal:  
100% on-time delivery,  
100% customer  
satisfaction, zero defects.

**Every project has quality assurance built in from the start. By communicating with our customers and performing a complete contract/specification review up front, we develop a quality plan that meets the requirements of the project. That way the correct checks and inspections are performed at the proper time in the manufacturing process, eliminating surprises at the end.**

**Inspection packages including all required signed documents are provided to the customer prior to shipment, ensuring that all specifications and performance requirements have been met.**

- ISO 9001 certified
- ASME section VIII Division 1 pressure vessels including miniature and repair
- ASME B31-1 and 31-3 Power Piping and Process Piping
- Components and enclosures that meet Nuclear Quality Assurance (NQA-1)
- In addition to dimensional inspections, a variety of weld inspection processes are available, including visual, dye penetrant, magnetic particle, ultrasonic flaw detection x-ray and hydro testing, among others
- Anderson Dahlen maintains complete material traceability to the mill of origin for all raw materials that enter our facility

.....Final Process: Test/Install.

Anderson Dahlen's robust quality system and customized quality plan ensure that your project has been confirmed to meet the specifications you require.