

Heat Treating Solutions

Vitesse End-to-End full Service Capabilities



At-A-Glance Capabilities

With a legacy of metallurgical excellence, Vitesse Systems (formerly Nevada Heat Treating) is a trusted provider of advanced heat treating and brazing solutions for mission-critical aerospace and defense applications. Our Nadcap- and AMS-certified processes—including vacuum hardening, aging, brazing, and sub-zero treatment—ensure parts meet the highest performance and reliability standards. From process selection through final inspection, we apply rigorous controls and decades of expertise to support the success of today's most demanding programs.



Deep Technical Experience

Backed by decades of metallurgical experience, the team includes seasoned engineers and technicians who understand complex materials and processes—ensuring precise execution and optimal results.



Certified Quality & Reliability

NADCAP and AMS 2750 certified, with tightly controlled, repeatable processes including vacuum heat treating, brazing, and cryogenic stabilization—ideal for high-stakes aerospace and defense applications.



Full Integrated Support

As part of the broader Vitesse Systems network, customers benefit from seamless access to a wide-range of manufacturing services, providing a range of end-to-end solution capabilities.

We are Nadcap approved heat treaters and we work with some of the most innovative manufacturers on the planet

Aerojet
Areva/Siemens
Crane Aerospace
GE Aviation
General Dynamics
Goodrich
Honeywell Aerospace

Liebherr Aerospace
Lockheed Martin
Moog
Parker Aerospace
PCC
Smiths Aerospace
Raytheon
Northrop Grumman

Core Competencies

Aluminum Heat Treating
Age Hardening
Atmosphere Heat Treating
Bright Annealing

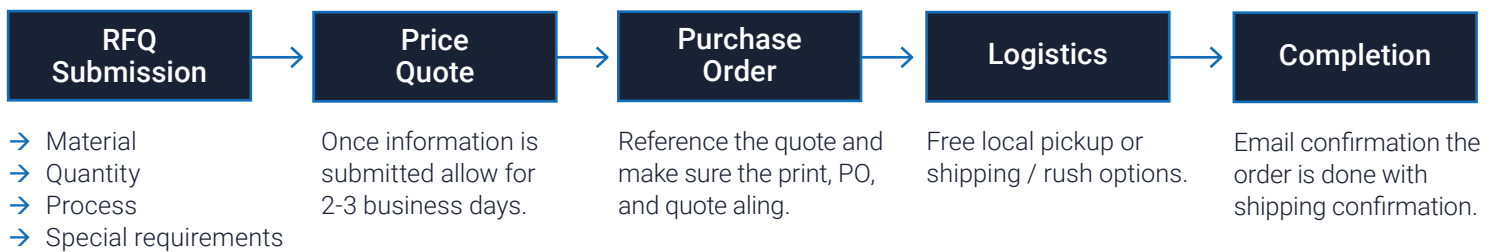
Case Hardening
Normalizing
Solution Treating
Stress Relieving

Sub-Zero Treating
Tempering
Vacuum Heat Treating
Vacuum Furnace Brazing

Equipment Specifications

Equipment Type	Qty	Work Zone (in)	Manufacturer	Primary Process	Certifications
Aluminum Drop Bottom Furnace	1	39 × 39 × 39	CEC	Solution Treating, Annealing	AMS 2750
High Temp Vacuum Furnaces	2	36 × 48 × 36	Ipsen TurboTreaters	Vacuum Hardening, Bright Annealing, Aging, Vacuum Brazing, Precipitation Hardening	NADCAP, AMS 2750 Class 5
Controlled Atmosphere Furnaces	2	28 × 45 × 26	Beavermatic IQF	Neutral Hardening, Carburizing, Carbonitriding, Normalizing, Case Hardening	AMS 2750 Class 5
Air Temper / Aging Furnaces	6	30 × 48 × 26	Beavermatic / Despatch	Tempering, Aging, Precipitation Hardening, Stress Relieving	AMS 275
Cryogenic Freezers	3	22 × 57 × 30	So-Low	Cold Stabilization	AMS Specifications
Indentron Rockwell Hardness Testers	2	N/A	Newage	Rockwell & Superficial Hardness Testing (Scales C, A, B, E, 15N, 15T)	SPC Capable
Straightening Press	1	N/A	N/A	Metal Straightening	Internal QA Standard

Ordering Process



Enabling Possible.

Vitesse Systems has a strong legacy of delivering true end-to-end solutions—combining advanced design and engineering expertise with a broad range of complementary manufacturing and testing capabilities. Our focus on tight-tolerance thermal management, precision antenna components, and complex power assemblies drives the advancement of mission-critical electronics and military communications. www.vitesse.com



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