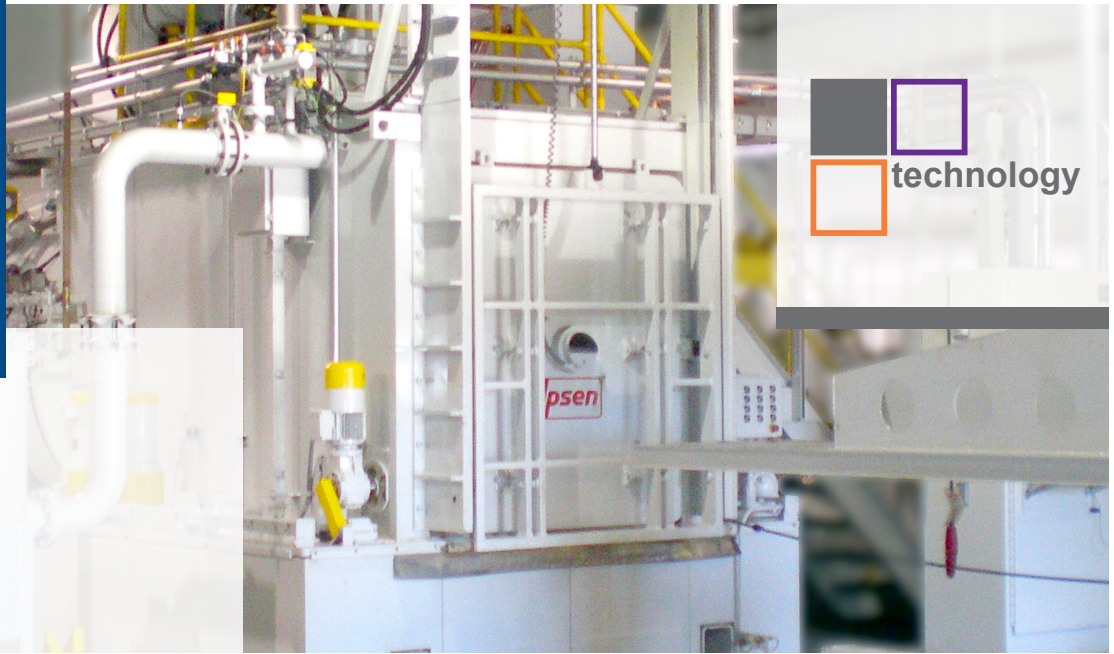


Vacuum Oil/Gas Quench Furnaces



Solutions that Adapt

When only a precise, yet adaptable heat-treating system will do, depend on the two-chamber design of Ipsen's Vacuum Oil/Gas Quench (VOQ) furnace.

Offering the perfect balance of flexibility and quality, the VOQ furnace lets you select quenching with either oil or inert gas (up to 2 bar positive pressure) based on process requirements. This durable system also helps you meet changing application needs as well as the most rigorous uptime requirements.

Benefits:

- Keep the hot zone under vacuum and at temperature while eliminating vapor migration between the two chambers with a vacuum-tight inner door
- Prevent contamination of the vacuum chamber with oil through the use of work-handling forks integrated into the quenching mechanism that momentarily move into the hot zone
- Provide uniform quenching via shelf-mounted agitators

Standard Sizes:

- 18" x 18" x 24" (450 mm x 450 mm x 610 mm)
- 24" x 24" x 36" (610 mm x 610 mm x 910 mm)
- 36" x 36" x 48" (910 mm x 910 mm x 1,220 mm)

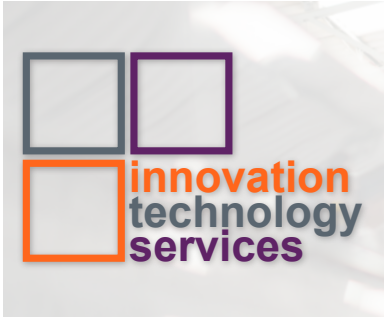
Process Capabilities:

- Aging
- Annealing
- Brazing
- Carbonitriding with oil quench
- Carburizing with gas or oil quench
- Hardening with gas or oil quench
- Solution annealing
- Stress relieving
- Tempering

For more information, contact
Sales@IpsenUSA.com or 1-800-727-7625

www.IpsenUSA.com/VOQ





Our Story

Backed by nearly 70 years of experience, it is our mission to strengthen heat treatment through expert-driven solutions. We are committed to delivering proven technology for a range of applications that enable you to transform space exploration, improve titanium medical implants and develop more efficient cars and jet engines.

Innovation

Harold Ipsen founded Ipsen in 1948 with a vision of creating products and technologies that continuously push the boundaries of innovation to create a future of thermal processing excellence. His commitment to advancing technology is the inspiration behind our vision for the future; a future where we continue to strengthen and accelerate innovations in almost every industry. Whether it is our versatile heat treatment systems or advanced process technology, we aspire to provide cutting-edge solutions that continuously improve and refine your operations.

Technology

At the core of our solutions are atmosphere and vacuum heat-treating systems and supervisory controls systems, which are used in many mission-critical applications. This advanced equipment is developed for Aerospace, Automotive, Energy, Medical, Tool & Die and various industries across the globe. Leading our industry with more than 10,000 systems installed worldwide, we have the experience necessary to provide optimum technology that allows you to achieve maximum flexibility and meet strict industry demands. We offer global modular platforms, as well as custom designs for specialized processes and requirements.

Services

We also provide comprehensive service and support every step of the way, including assistance with developing your process, factory layout planning and integration with current production processes and factory operating systems. You can also count on our responsive Ipsen Customer Service (ICS) Team to help keep your equipment running at peak performance and minimize costly downtime through upgrades, retrofits, parts, maintenance, service and training.

With an extensive network of global locations and partnerships in America, Europe and Asia, along with representation in 34 countries, we continue to provide expert-driven solutions that strengthen heat treatment throughout the world.

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