



**RETECH**  
A SECO/WARWICK COMPANY



Since 1963, **Retech Systems LLC** has been a global leader in the supply of vacuum metallurgical processing equipment. Our advanced process technologies for melting, refining and casting reactive, refractory, and rare earth metals, as well as superalloys include:

- Plasma Hearth Melting (PAM)
- Electron Beam Melting (EB)
- Vacuum Induction Melting (VIM)
- Vacuum Arc Remelting (VAR)
- Rototrode® (non-consumable casting)
- Plasma & Electron Beam Welding
- Powder Systems
- Cold Wall Induction
- SC/DS/EO
- Casting Systems

As the most fully integrated furnace manufacturer in the world, we provide customer access to a wide range of in-house resources, including technology, material and process development. Whether a laboratory scale furnace or complete custom design, identifying customer needs, as well as understanding the importance of producing relevant, viable, and cost-effective technologies, is the foundation upon which Retech is built.



### PRECISION INVESTMENT CASTING:

Whether making turbine blades, medical implants, turbocharger wheels or pump bodies, Retech Precision Investment Casting Furnaces are ideally suited & uniquely configurable to suit the uncompromising requirements of production. We offer a variety of equipment configurations, from single chamber, fast-cycle batch type furnaces to multi-chamber, efficient high-volume designs. Our furnaces are able to handle a wide range of materials as well as produce everything from the simplest **Equiax (EQ)** patterns to **Directionally Solidified (DS)** & **Single-Crystal (SC)** parts, all while providing consistent, high-yields with low operating costs. Continued new innovations include greater production designs & safety improvements for liner handling.

### COLD WALL INDUCTION (CWI):

Retech CWI casting furnaces are ideally suited for special alloys, like Titanium, utilized in high value, critical aerospace applications. Our equipment is predicated upon intelligent design, including precise & reliable heating, recipe driven controls, data acquisition as well as effective manufacture processes.



### **CONSUMABLE CASTING:**

Retech furnishes Vacuum Arc Remelt (VAR) casting furnaces for a range of products, including aerospace, consumer & commercial applications. Our focus is to optimize the overall productivity & efficiency of each system based on our customer's individual needs. The means to cast centrifugally or gravity assisted tilt-pour combined with in-furnace mold heating, delivers a wide range of options to realize varied final product forms.

### **THE RETECH ADVANTAGE:**

At Retech, we actively work with customers to develop equipment and process solutions, including upstream elements, like VIM alloy master casters, as well as downstream components. Further, our research & development team is uniquely positioned to add value through alloy & application development.



A dark, stylized world map is visible in the background of the entire page, centered behind the text.

## **Retech Systems LLC**

100 Henry Station Road  
Ukiah, CA 95482  
USA

**Phone:** +1 (707) 462-6522

**Fax:** +1 (707) 462-4103

[sales@retechsystemsllc.com](mailto:sales@retechsystemsllc.com)

[www.retechsystemsllc.com](http://www.retechsystemsllc.com)

## **SECO/WARWICK S.A.**

8 Sobieskiego Str.  
66-200 Świebodzin  
Poland

**Phone:** +48 68 38 20 500

**Fax:** +48 68 38 20 555

[info@secowarwick.com.pl](mailto:info@secowarwick.com.pl)

[www.secowarwick.com.pl](http://www.secowarwick.com.pl)

## **SECO/WARWICK Retech**

Thermal Equipment Manufacturing  
(Tianjin) Co., Ltd.  
7B Second Xeda Road  
300385 Tianjin  
China

**Phone:** +86 22 23828300

**Fax:** +86 22 23828305

[sales@secowarwick.com.pl](mailto:sales@secowarwick.com.pl)

[www.swretech.com.cn](http://www.swretech.com.cn)

**Visit One Of Our Websites to Find Your Local Representative**