Vacuum furnaces

SECO/WARWICK offers a wide variety of Vacuum furnaces and process technology for heat treatment including: Bright hardening, High-pressure gas hardening, Vacuum carburizing FineCarb®, Bright tempering, Gas nitriding (with vacuum purge), Bright annealing, Quench annealing, Degassing, Brazing and high-temperature brazing, Diffusion welding, Sintering (WC, MIM, ceramics), Solution heat treatment, CVD/graphitization and can custom design specialty process equipment to meet our client’s needs.

We meet the needs of our customers in aircraft, automotive, defense, metalworking, medical, nuclear, tool industries and sectors of scientific research and service with a broad range of furnace sizes, with load capacities up to 5000 kg.
ELTERMA S.A. provides industrial furnaces for heat treatment and heat-chemical treatment of metals in a controlled atmosphere, as well as complete production systems that include: atmosphere generators, loading and unloading machines, quench tanks, washers, dryers and computer control systems. For batch or semi-continuous process requirements, ELTERMA provides a selection of standard and custom designed furnaces.

Furnaces and protective atmospheres for heat treatment are mainly applied in the automotive, aircraft, bearing and machine-building industries. They are typically used for heat treatment of work loads such as gear-wheels, shafts, jointed components, bearings and forgings.
Aluminium process furnace systems

Our five basic product groups include coil/foil annealing, solution heat treatment & ageing, log homogenising, ingot heating and melting furnace systems. We offer advanced technology to reduce cycle times, conserve energy and improve cooling rates.

Our control and material handling systems are designed for each unique production environment. With our experience, we are the single source for all your aluminium process furnace system needs and we guarantee the performance of our equipment.

COIL • FOIL • BILLET • INGOTS • CASTINGS • FORGINGS
SECO/WARWICK produces advanced thermal processing equipment for vacuum metallurgy. This product line includes vacuum furnaces for melting and production of top quality high performance metals: vacuum arc remelting, electron beam melting and plasma arc melting. Other line of products consists precision vacuum casting equipment for Equiax, Directional Solidification and Single Crystal technologies. Equipment offered by SECO/WARWICK is made in Europe according to our strategic agreement with RETECH SYSTEMS LLC. This strategic alliance benefits European customers by meeting metric standards, European parts, CE for European Directives, and local service support.
We offer a wide range of custom engineered solutions from small batch vacuum purge brazing systems and semi-continuous systems for infrequent demand, to large scale continuous furnace systems designed to deliver efficient, flexible throughput on a continuous basis. Our offer includes CAB Brazing Lines for Aluminium and Copper heat exchangers. A typical CAB Aluminium Line consists of Degreaser, Fluxer, Afterburner, Braze Furnace and Cooling System.

The CAB technology is mostly used in the automotive and HVAC&R (Heating, Ventilation, Air conditioning & Refrigeration) industry.

SECO/WARWICK is the exclusive supplier of CAMLAW CAB equipment service and replacement parts.