

Inox line

Continuous Conveyor Belt Furnaces

Our continuous conveyor belt furnaces are slightly inclined and equipped with a metal muffle that contains a carefully controlled hydrogen and nitrogen atmosphere. These furnaces are designed for the solubilization and brazing of stainless-steel components with copper or nickel, ensuring precise and efficient processing of materials in a stable, monitored environment.

Application: Brazing and Solution Annealing

Our equipment is widely used across multiple industries, but the true distinction lies in our ability to tailor brazing and solution annealing technologies to the specific needs of each application.

In the brazing of stainless-steel components, we have a strong presence in the automotive sector, particularly for brazing tubes and coolers. Our innovative approach to furnace technology has significantly reduced brazing costs. Through extensive research and development, we have created advanced equipment for brazing with various filler materials, including copper rings, paste, and nickel alloys with phosphorus or boron.

As a result, we are a trusted partner to major global manufacturers, having supplied over 150 production lines in recent years.

Technical Specifications

We offer a range of furnaces for brazing and solution annealing of stainless-steel components in a controlled nitrogen-hydrogen and/or pure hydrogen atmosphere, with the following models available:

- ▶ **Continuous Flat Furnaces:** These furnaces feature a minimum passage of 70 x 30mm and a maximum passage of 700 x 100mm. With an operating speed of up to 800mm/min, they are capable of achieving an hourly production of up to 500kg.
- ▶ **Continuous "Hump-back" Furnaces:** These models have a minimum passage of 200 x 150mm and a maximum passage of 750 x 350mm. They offer an operating speed of up to 800mm/min and can produce up to 600kg per hour.

The choice of furnace is based on the required hourly production and the weight-to-volume ratio of the parts being treated.

Disclaimer

All rights reserved by indfurnaces.com. Products, images, and content may be copyrighted or trademarked by indfurnaces.com or its affiliates, and are protected by applicable intellectual property laws. Unauthorized use is prohibited.