

## Sintering line

Our continuous conveyor belt furnaces, designed for annealing mild steel components, are ideal for the automotive and hydraulic industries. These furnaces operate in an endogas-controlled atmosphere and offer both combustion or electric heating options. With a belt width of up to 1,300mm, they provide flexible solutions for various production needs. Additionally, these systems can be equipped with or without automated loading and unloading mechanisms for treated parts, ensuring efficient and seamless operation.

### Application: Annealing

Our equipment serves a wide range of industries, with a key strength in adapting continuous annealing technology for mild steel and LBS components to suit specific applications.

For mild steel parts that are relatively lightweight and small in size, continuous heat treatment is essential for achieving repeatable and consistent results. Our furnaces are ideal for industries requiring such precision, including hydraulic components like bushings and tubes, as well as automotive parts, particularly those used in electric car engines.

We offer two controlled atmosphere solutions for annealing: one utilizing endogas generated from methane gas, either inside or outside the furnace chamber, and another using a nitrogen-hydrogen mix, with the ratio adjusted to meet the specific needs of the components being treated.

By implementing continuous annealing, we help reduce manufacturing costs, while our advanced equipment also lowers management and maintenance expenses. We prioritize customer input to develop state-of-the-art solutions tailored to the unique needs of each application.

### Technical Specifications

We offer a variety of equipment for the annealing of mild steel and LBS components in a controlled atmosphere, with the following models available:

- ▶ **Continuous Flat Furnaces (Nitrogen-Hydrogen Atmosphere):** These furnaces feature a minimum passage of 300 x 100mm and a maximum passage of 700 x 100mm. With an operating speed of up to 800mm/min, they can achieve an hourly production capacity of up to 500kg.
- ▶ **Continuous Flat Furnaces (Nitrogen-Hydrogen Atmosphere):** These larger furnaces have a minimum passage of 300 x 100mm and a maximum passage of 1,300 x 150mm, with an operating speed of up to 1,000mm/min and an hourly production capacity of up to 1,000kg.

The selection of the appropriate furnace model depends on the required hourly production and the weight-to-volume ratio of the parts being treated

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