



## Atmosphere Furnaces for Metal Heat Treatment





## SOLO Swiss - Atmosphere Furnaces

**Continuous furnaces.** Featuring protective or treatment atmospheres with gas cooling or quenching in liquids. All SOLO Swiss furnaces are equipped with alloy muffles to provide precision heat treatment and feature quick quenching.

**Profitherm type batch furnaces.** This unique, multifunctional arrangement of bell-type furnaces and multiple quench tanks, allows a direct & rapid transfer of the load from the furnace(s) to the quench tank(s). The modular design enables easy expansions and allows all types of atmospheres and quench media.



Continuous furnaces SOLO 322



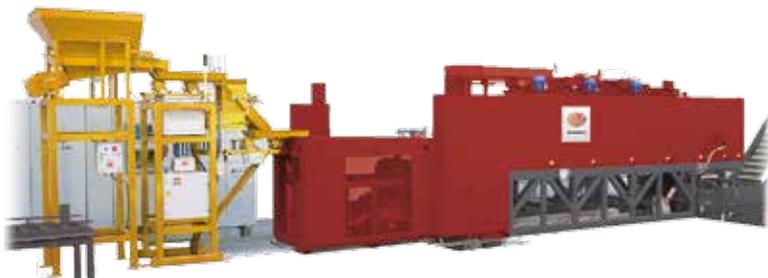
Nitriding furnaces



Continuous furnaces SOLO 322



Bell type furnaces Profitherm



Continuous furnaces SOLO 302 with online quenching



Automatic heat treatment lines

Automotive



Machines



Watches & Jewellery



Tools



## Borel Swiss - Standard Furnaces & Ovens

Borel Swiss is the leading manufacturer of electric furnaces, kilns and ovens for the metal, heat processing, heat treating, metal melting, ceramics, glass, porcelain and pottery.

Borel proposes a whole range of standard furnaces, accessories & spare parts. For special needs, Borel Swiss is able to propose custom-made furnaces.



Laboratory ovens 20–300 °C

Laboratory furnaces 1100–1600 °C



Industrial ovens 150–350 °C

Industrial ovens 200–500 °C

Industrial ovens 500–600 °C



Chamber furnaces 800–1100 °C

Heat treat furnaces with oil tank

Atmosphere furnaces H<sub>2</sub>/NH<sub>3</sub>

Chamber furnaces 1250 °C

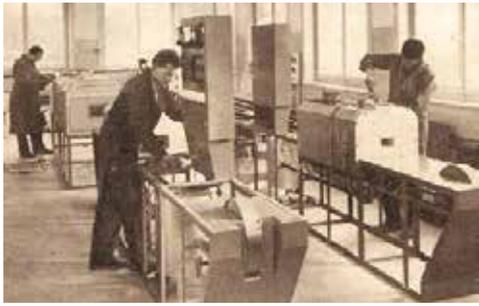
Cutlery

Electronic

Micromechanics

Coins & Medals





SOLO Swiss was founded in 1924 by Mr. Käsermann and Mr. Sperisen. SOLO Swiss is still a family-owned company, managed by the third generation.



Its headquarter is located in Bienne close to Bern. SOLO Swiss furnaces are manufactured in Porrentruy (Switzerland).

## About us

SOLO Swiss Group manufactures advanced industrial furnaces for the heat treatment of metals.



Product design, research and development are carried out in-house. SOLO Swiss is focused on customer service and provide a worldwide repair and maintenance service. The entire product range is powered by Axron Softwares developed by SOLO Swiss.

SOLO Swiss is a responsible company involved in sustainable development, good corporate governance and sound business ethics.

SOLO Swiss offers atmosphere furnaces, batch furnaces, bell-type furnaces, continuous furnaces, mesh belt furnaces used in variety of heat treatment processes (carburizing, hardening, tempering, annealing, austempering, nitriding, brazing, carbonitriding, sintering, nitrocarburising, oxinitriding, quenching).

SOLO Swiss furnaces are well suited for the treatment of small complex metallic parts requiring enhanced heat treatment and reduced distortion such as: springs, clips, fasteners, coins, needles, hooks, ball bearings, parts for the aeronautics, cutlery, watch-making industry, micro mechanic, as well as long parts for which the bell furnace is most suitable. In all these fields, SOLO Swiss Group's customers have been amongst the most renowned industries for more than 70 years.



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