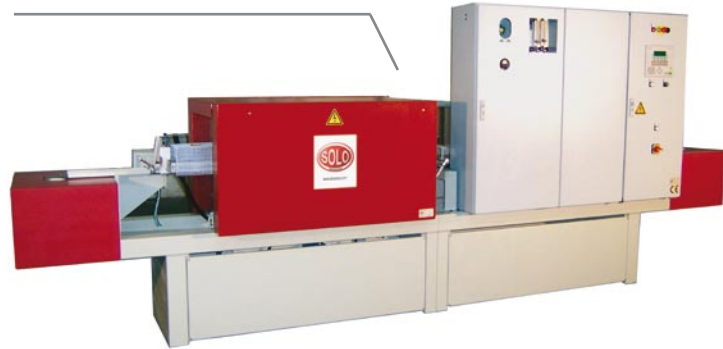


MODELS	10/80C	20/160C	up to 8000
Maximum temperature (°c)	1150	1150	1150
Useful width of the belt (mm)	100	200	Up to 800
Height (mm)	45	70	Up to 200
Length of the heated zone (mm)	800	1600	Up to 8000
Section of the channel (mm)	120 x 50	220 x 75	

### Different Sizes

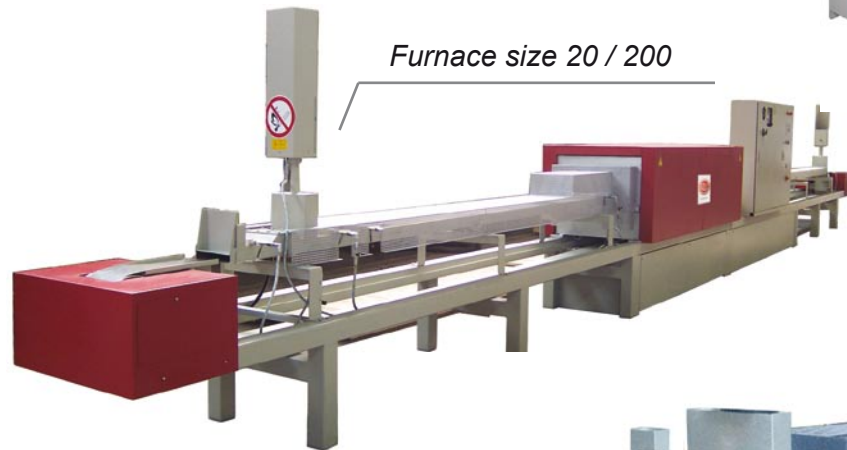
Furnace size 10 / 80



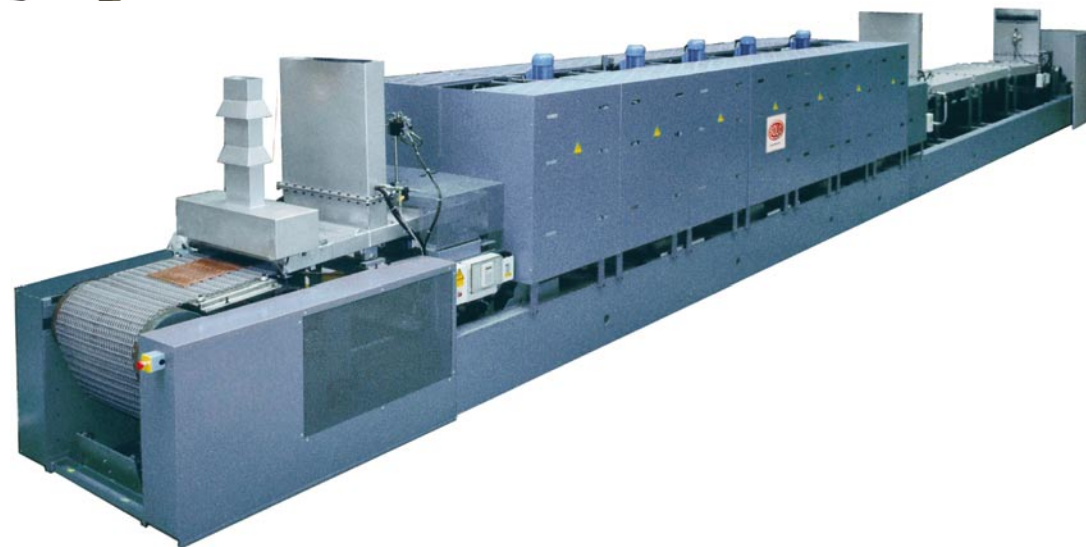
Furnace size 80 / 600



Furnace size 20 / 200



Furnace size 50 / 300



## PROTECLINE



**SOLO® Conveyor Belt Furnace**  
 manufactured under license by Thermic Service SA



**Thermic Service SA** - Chemin des Grandes Vies 25 - 2900 Porrentruy - Switzerland  
 Tel. +41 32 465 96 00 • Fax +41 32 465 96 05 • mail@thermic-service.com • www.thermic-service.com

 **Advanced Furnaces for Metal Heat Treatment**



## Basic equipment

### FURNACE

- Muffle designed to resist high temperatures and to allow a rapid conditioning of atmosphere.
- Several possible heating and/or cooling zones according to the production.
- Electrical heating.
- Chimneys for burning gas and environmental protection.
- Choice in gas supply (cracker, generator, mixers, bottles, etc...).
- Protection against oxidation of the muffle during stops and after high operational temperatures.
- Automatic ignition of the protective gas with flame monitoring.
- Flat, mesh or rippled belt, with edges or lipped according to the type of the parts.
- Easy replacement of the heating elements.
- **AMS 2750D & ATEX Standards (upon request).**

### MATERIAL

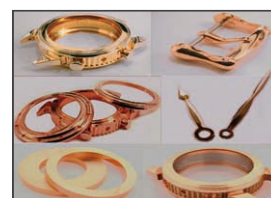
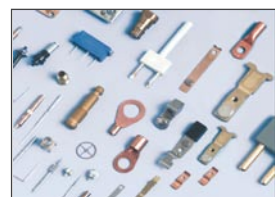
- Stainless steel
- Steels
- Copper
- Precious metal

### PROCESSES

- Brazing
- Brazing of precious metals or stainless steels
- Hardening of stainless steel with 13% chromium
- Annealing
- Tempering
- Overhardening
- Sintering
- Recrystallization

### ATMOSPHERES

- Nitrogen
- Hydrogen
- Argon
- Air
- Cracked ammonia
- N<sub>2</sub>+H<sub>2</sub> mixture
- Endothermic gas



## Accessories

### PROCESS SECURITY

- N<sub>2</sub> purging, safety and cycle.
- Flow control for each gas.
- All security for gas injection.
- Safety double valves.

### MAJOR OPTIONS

- Dewpoint analyser.
- O<sub>2</sub> oxymeter analyser.
- H<sub>2</sub> analyser.



### HARDWARE

- Panel 5.7" with touch screen.
- CPU and I/O Siemens.

### SOFTWARE

- Process regulation and control.
- Security management.
- Alarms in clear text.
- Visualisation and online modification of the process parameters.
- Centralized management of the recipes.
- Temperature curves on one week.
- Parameters set-up of regulation and calibration data.
- Weekly calendar.

### MAJOR OPTIONS

- Modem or Internet connection.
- PC connection (tracking, scheduling, performance analysis).

Powered by **AXRON**  
AUTOMATION & CONTROL



N<sub>2</sub>H<sub>2</sub> mixer



Water chiller



Supervision with PC



Integrated water cooler



2 integrated NH<sub>3</sub> crackers