



TUBESTAR series

Resistive batch
furnace

Low cost small-batch
tubular furnace

The Jipelec TubeStar has been specially developed for use as a pilot / low volume production unit in the industry and in research environment.

The TubeStar small-batch system is a low cost tubular furnace for LPCVD processes and general heat treatment duties. The system has high-vacuum and gas mixing capabilities.

The temperature control system is designed to ensure improved uniformity over the whole operating range from 500°C up to 1200°C.



The process management control software provides full control of process recipes and easy data monitoring.

Main features

- Wafer sizes up to 200 mm
- Spike and profile thermocouple control
- PID temperature control
- Multi-zone heating element
- Atmospheric or vacuum process capability (up to 10^{-7} mbar)
- Up to 6 gas lines with MFCs
- Process management software

Options

- Turbomolecular pumping unit

Applications

- LPCVD processes
- LYDOP® process
- Stress-free silicon-rich nitride
- Annealing
- Oxidation (dry and wet)
- Diffusion

Features

Temperature range:	500°C to 1200°C
TubeStar 100 dimensions (L/W/H):	1500x800x1500 mm
TubeStar 200 dimensions (L/W/H):	1800x970x1700 mm