

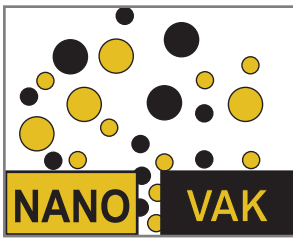
# NANOVAK

NANOVAK® offers global products

## Vacuum Furnace & Soldering System



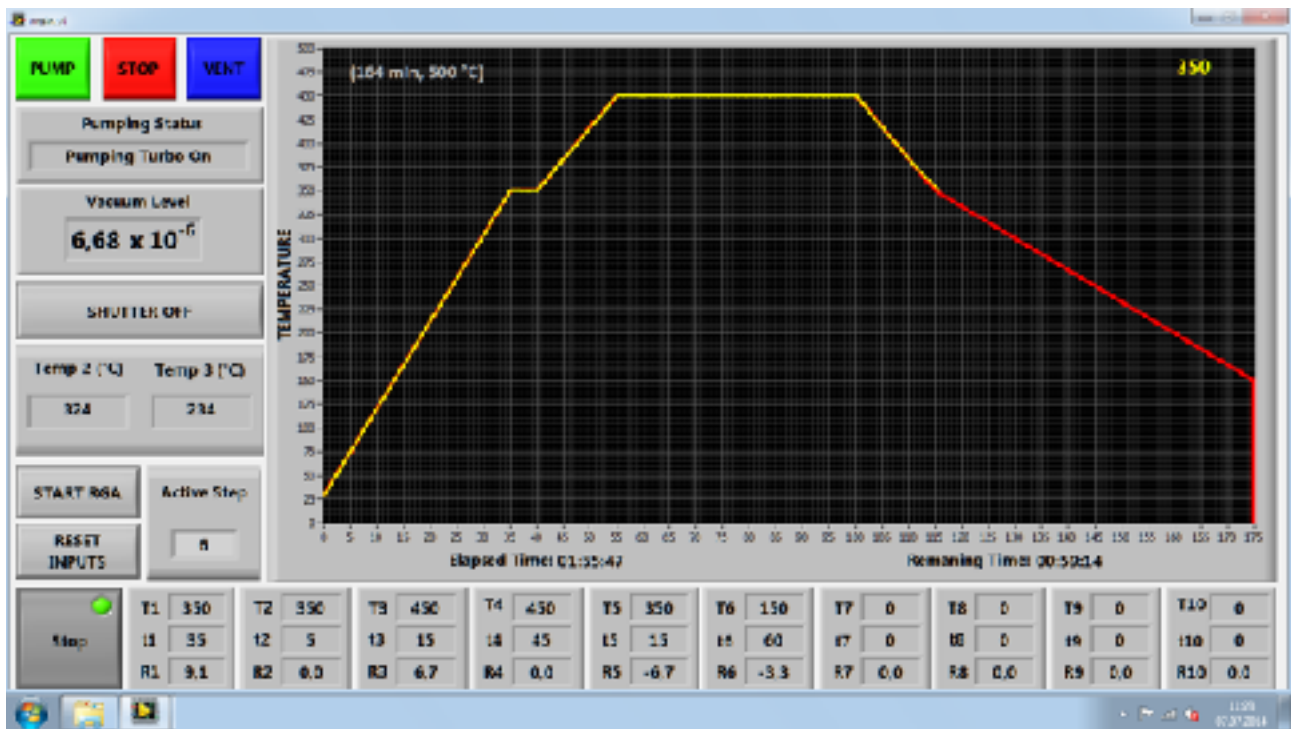
Prismatic type Vacuum Furnace and Soldering System is produced out of SS304 materials. Typical properties of the System is given below. NANOVAK® Vacuum Furnace and Soldering System can be tailored to fit user desires.



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## Vacuum Furnace & Soldering System



- Fully automatic computer control option, touch screen control panel with real time LCD displays
- 50 - 500 °C high temperature PID controlled furnace
- Adjustable (1-50 °C/minute) standart heating rate
- Prismatic vacuum chamber made of SS304. Clean, electro-polished surfaces
- Front viewing window and rotatable shutter
- 2x10<sup>-6</sup> Torr vacuum level in 30 minutes. 1x10<sup>-7</sup> Torr vacuum level in one hour, for fully loaded system. 10<sup>-8</sup> Torr base pressure level.
- Turbomolecular + Mechanical pump, and dry pump as option
- Wide range (1000 - 10<sup>-9</sup> Torr) vacuum control and pressure measurement system
- Closed loop water cooling system
- Mass flow meter gas inputs (Ar, N<sub>2</sub>, O<sub>2</sub>, He...) optional, if desired
- Residual gas analyzer optional, if desired
- 20cm x 20cm x 20cm working volume, can be changed as desired
- 10 steps, (up to 40 steps) programmable PID controlled temperature profile
- Rapid Thermal Annealing - Quenching applications can be done with ±50 °C/min cooling - heating rates.
- Rapid cycle times to allow 2 experiment per day
- Isolation valves, chamber backfill with Ar or N<sub>2</sub> as desired
- Power failure protection, the chamber remains under vacuum with isolation valve when not in use
- 75x120 cm footprint, lockable wheels, system easily passes through standard doors
- Two year warranty for design, materials and workmanship