

SHT NANOPARTICLE FABRICATION SYSTEM

SHTMTE 1501

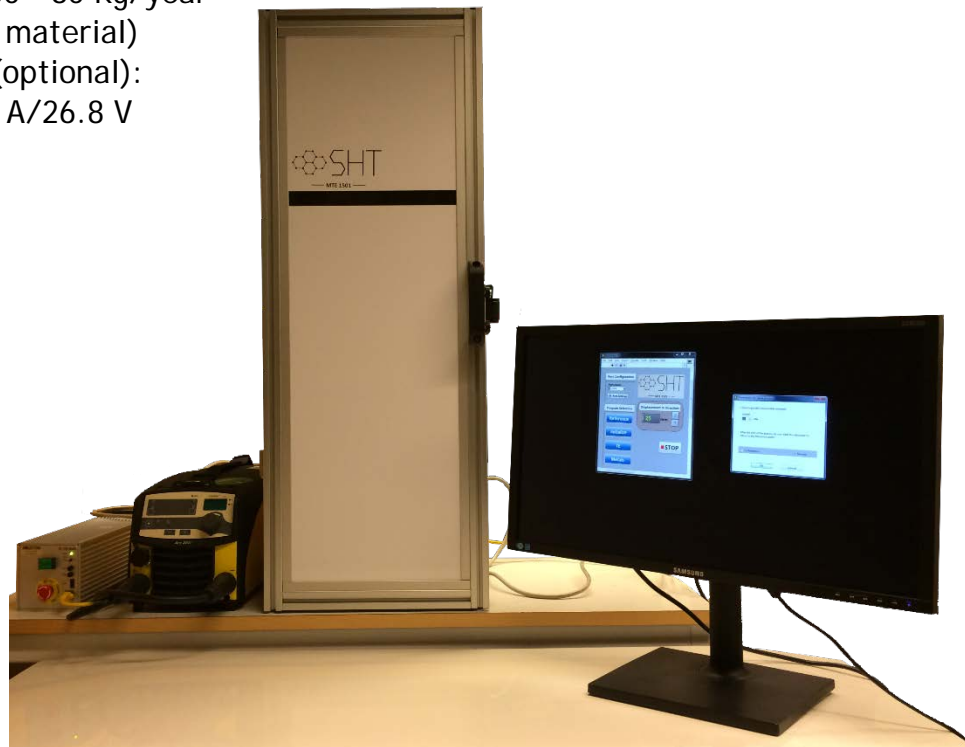


General Introduction

SHTMTE 1501 is an ideal industry solution for producing nanopowder in large scale. SHTMTE 1501 is an automatic and programmable nanofabrication system. The fabrication process is highly flexible and can be controlled accurately.

Specifications

- ❖ Space requirements (mm):
300 x 300 x 800 (LWH)
- ❖ Weight (Kg): 25
- ❖ Container volume: 2500 L (Max.)
- ❖ Ventilation: Required
- ❖ Voltage input: 220 V
- ❖ Productivity: 30 - 80 Kg/year
(depending on material)
- ❖ Power supply (optional):
4 A/20 V - 170 A/26.8 V



Production

SHTMTE 1501 can produce nanoparticles with dimensions ranging from 10 - 50 μm from bulk materials as:

- ❖ Metals: Silver (Ag), Copper (Cu), Tin (Sn), Iron (Fe) and Aluminum (Al)
- ❖ Semiconductors: Silicon (Si), Bismuth-Telluride-based TE materials (Bi_2Te_3), and Germanium (Ge)
- ❖ Alloys: Stainless steel, Tin-Silver (Ag_3Sn), Tin-Copper (Cu_6Sn_5) and Tin-Silver-Copper (Sn-Ag-Cu)

