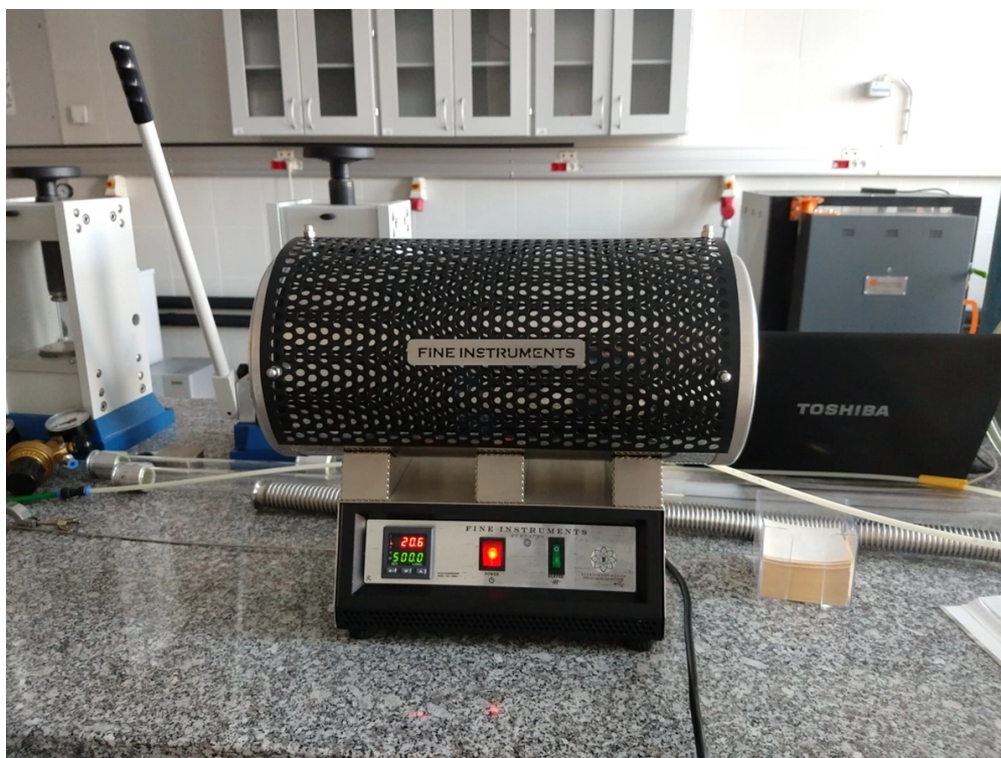


## Tube furnaces



### Technical description:

Two laboratory tube furnaces for heating samples in a vacuum or controlled atmosphere. One furnace is equipped with a quartz tube with workspace dimensions of 40x70x400 mm<sup>3</sup>, allowing continuous heating up to 1000 °C. The other furnace has a quartz tube with workspace dimensions of 50x90x700 mm<sup>3</sup>, enabling continuous heating up to 1200 °C. Both furnaces are equipped with programmable temperature controllers.

**Trade name:** Tube furnaces

**More details:** </equipment/tube-furnaces/>

**Access type:** External

**Type of accreditation / certificate:** Not applicable

**Contact person:** Szkudlarek Aleksandra

**Contact person url:** <https://skos.agh.edu.pl/osoba/aleksandra-szkudlarek-7828.html>

**Responsible body:** Academic Centre for Materials and Nanotechnology

**Group / laboratory / team:** Department of Functional Materials and Nanomagnetism

**Last update date:** March 10, 2025, 1:25 p.m.

**Year of commissioning:** 2014

**IDUB research areas:**

(PRA 7) Design, production, and testing of modern materials and the technologies of the future based on a multidisciplinary approach combining materials engineering with chemistry, physics, mathematics, and medicine

**Research capabilities:**

Heating materials in a controlled atmosphere and following a specified temperature profile.

**Conditions for providing infrastructure:**

Equipment is available in accordance with the Regulations for the Use of ACMiN's Research Infrastructure. ([https://acmin.agh.edu.pl/home/acmin/5\\_Wspolpraca/Aparatura/Zasady\\_i\\_koszty\\_korzystania\\_z\\_infrastruktury\\_badawczej\\_ACMiN.pdf](https://acmin.agh.edu.pl/home/acmin/5_Wspolpraca/Aparatura/Zasady_i_koszty_korzystania_z_infrastruktury_badawczej_ACMiN.pdf))