

Materials for a bright and efficient future

Mechanical Engineer – Nanomaterials Production

Display Innovations

Your skills / competencies

- Excellent M.Sc. degree in mechanical engineering or process engineering
- Several years of experience in the upscale and synthesis of nanomaterials, ideally in commercial production or as part of a PhD or as a PostDoctoral Researcher
- Strong knowledge of thermodynamics of nanoparticles and in particular perovskite quantum dots
- Deep knowledge in nanomaterials characterization techniques including SEM, TEM, Raman, XRD, XPS, TGA, FTIR, Particle mobility and mass spectrometers

Your tasks

- Contributing to displays to become more colorful and more energy-efficient than ever before
- Development and optimization of production processes on a 10-100kg scale
- Development of process and product analysis

About Avantama

We are a young team of twenty-five employees who use nanomaterial innovations to make sensors more sensitive, solar cells printable and displays more colorful and energy-efficient than ever before. This is how we contribute to a brighter and more efficient future. We support each other, have a relaxed working atmosphere and let our employees participate in the financial success. A good get-together is important to us.

Why Avantama?



Participation in the financial success



Free train ticket for canton of Zurich



Worldwide private accident insurance



Relaxed and supportive working environment

Your application

- Resume
- Transcripts from high school to date

Please send an email to

jobs@avantama.com (Samuel)
Avantama AG, Laubisrütistrasse 50, CH-8712 Stäfa