



## Function description

<b>Function name</b>	Test Engineer
<b>Goals of the function</b>	Responsible for building new measurement set-ups, maintaining and operating existing equipment. Provides input & technical expertise on measurement methods and systems as well as analysis of the results. Responsible for clear documentation of the achieved results.

### Description of work

Solmates is a high-end OEM equipment supplier for the MEMS, LED & Semiconductor market. To support continuous growth the Test Engineer is part of the team responsible for development of the next generation PLD deposition equipment. The test engineer will be part of a highly motivated project team reporting to the director strategic developments.

### Main tasks of the Test Engineer:

- Build new advanced measurement set-ups (mechanics, electronics, datalogging)
- Maintain current equipment to guaranty quality of measurements
- Perform experiments (including measurements)
- Basic analyses of the obtained data
- Presentation of the results to the project team
- Close cooperation with other engineers outside the project team
- Identify root causes and suggest resolutions pro-actively

### Required and desired competences and experience:

- Hands-on mentality, thinking in practical solutions, clear communications
- Experience with test equipment, testing and documentation
- Understanding of basic physics, mechanics and electronics
- Experience with datalogging (labview, matlab, etc.)
- Experience with data-analyses tools, minimum is Excel, other programs are preferred: minitab, matlab, phython, etc.
- Knowledge of optical set-ups and metrology methods is not strictly needed, but is preferred

### Other interests

As Solmates is a young dynamic company, multi-tasking and clear planning is vital. All personnel operate with a clear understanding what their core role is and where to support others. Within Solmates there are no predefined guidelines, self-managing and self-motivation are two key required competencies.

<b>Required educational level</b>	Bachelor or Master Degree in the field of Mechatronics, Electrical Engineering or Computer Sciences. Experience and skills are more important than the level of your degree
<b>Required experience</b>	Working in cleanroom and lab environment Experience with Semiconductor/deposition equipment