ASM is a growing company working at the leading edge of technology. We provide ground breaking wafer processing solutions that are helping to make semiconductor devices smaller, faster and more powerful, improving the quality of people's lives. We were founded in 1968 at the start of the semiconductor industry and we're just as dynamic and innovative today.

Now we're offering you the opportunity to join our process support team in France as a process engineer.

Process Engineer – EPI and ALD

General Description and Duties

- Execution of the process startup of ASM semiconductor processing equipment in specific Epitaxial and ALD equipment at customer sites.
  Implementation and qualification of ASM standard and non-standard processes as part of a start-up of systems and presentation of the results to both the customer as ASM.

- Working together with development team to develop and optimize processes focused on Epitaxial and ALD processes.
- Solve process-related problems with the ASM standard processes and reporting of the found results to both the customer and ASM.
- Involvement with development of new processes at customer site and in our lab.
- Involvement with process experiments and tests at customer site or in our lab. Collecting and analyzing the achieved data.
- Has a hands-on approach when troubleshooting equipment.
- Maintains intensive contacts with both the customer and ASM direct involved with the project.
- Give feedback to the ASM organization of found solutions of process related problems from the field.

Education & Experience

- MS or PhD degree in physics, chemistry, chemical engineering or materials science, preferably with a thesis related to the semiconductor or adjacent industries.
- The following experience and/or knowledge is an advantage:
  - Experience with epitaxial deposition techniques
  - Experience with processing, developing and characterizing epitaxial films.
  - Understanding of physics of semiconductor devices.
  - Experience with materials characterization techniques such as XPS, SIMS, RBS, AFM, XRR, XRD, TEM, SEM, and ellipsometry.
  - Knowledge of electrical characterization techniques for CMOS devices.

Skills

- Being able to understand semiconductor wafer processing equipment technology, advanced chemistries and the physics of semiconductor devices and materials.
- Ability to independently manage process development projects.
- Understanding of the interplay between hardware design and process outputs.
- Being able to quickly learn new skill sets.
- Having a hands-on approach and flexible attitude.
- Enjoying solving problems and driving results.
- Excellent verbal and written communication skills, with the ability to clearly communicate advanced technical constructs in a direct and concise manner.
- Willing to travel in Europe and overseas