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Brief description

Since its foundation in 1983 AIXTRON AG, based in Aachen, Germany, became one of the world's leading supplier of equipment for the production of compound semiconductor materials. These materials, being the key technology for many devices, are used for many opto- and microelectronic high-tech applications such as:

- LEDs: Displays, outdoor advertising, traffic lights, signals, interior lighting, automotive
- Telecommunications: Mobile phones, data transfer, TV satellite dishes
- Laser: CD player, CD-ROMs, DVD equipment
- Solar cells: Satellites

AIXTRON's products range from systems for research and development to mass production. Further AIXTRON offers clean room installations including all safety equipment, gas scrubbers and process development. Among AIXTRON customers are well-known companies such as AXT, Avalon, IQE, JDS-Uniphase, Kopin, LumiLeds, Mitsubishi, Nortel, Showa Denko, Sumitomo, UEC, VPEC as well as international research institutes and universities.

Core competence

The advantages of AIXTRON's patented Planetary Reactor® are user friendly operation, high reliability as well as low operating costs and excellent reproducibility of the materials produced.

Product overview

Systems for the production of compound semiconductors; Diamond; Oxides, ferroelectric and high-k materials; SiGe, strained Si as well as organic materials.

Education and training

Within a trainee recruitment program AIXTRON offers students already the opportunity to gather work experience through a practical job as well as study and thesis work within a fascinating high tech company.

In co-operation with the "Institut für Halbleitertechnik (IHT)", relevant work is provided in the area of opto-electronic devices. Study work related with semiconductor technology will be available in collaboration with Prof. Dr.-Ing. R.H. Jansen (RWTH) and Prof. Dr. Lüth (FZ Jülich).

