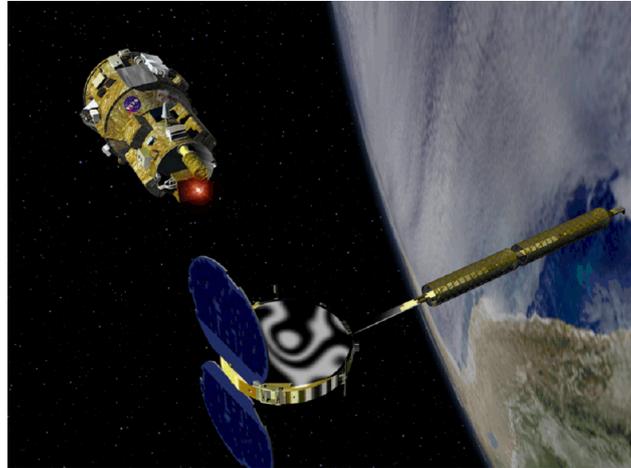


**Innovative lasers
for diverse applications**

For 15 years now, the Frankfurt Laser Company (FLC) has been a renowned address for the development, production and distribution of innovative laser products that are used in a wide variety of areas.

Dr Vsevolod Mazo went into business for himself when he set up the company in 1994. The native Muscovite – who had already worked with lasers on a scientific basis for one and a half decades previously – felt prompted to take this step in light of his experience in the area of innovative laser diagnostics and therapy: *'I had always been interested in technology and wanted to launch the advanced technology from Russia on this market in Germany, which was still underdeveloped in this respect,'* recalls the owner and managing director of the company which now employs three full-time and four part-time staff. *'Even at the turn of the millennium, around 95 per cent of the laser products used in Germany still came from the US. Green diode-pumped lasers that were aligned to specific applications*



The products of the Frankfurt Laser Company are even used in aerospace: here for the International Space Station (ISS)

were only available in Russia at the time. We initially only worked on demand,' says Dr Vsevolod Mazo, continuing. *'Later on, we focused increasingly on the development and production of semiconductor lasers.'*

Today, the product portfolio of the company, which is now

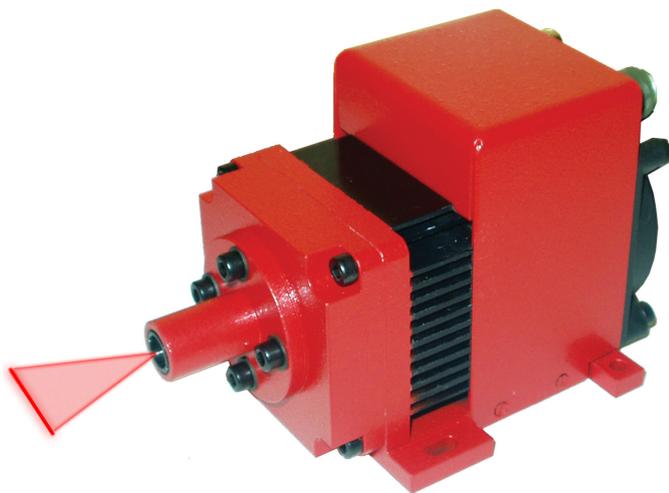
headquartered in Friedrichsdorf, incorporates a broad range of laser products for applications in image processing, industry, research, medicine and the military sector. These include laser diodes, laser diode modules, DPSS lasers, laser diode collimators, Diffractive Optical Elements and MiniGreen DPSS lasers. In the process, around two thirds of the sales volume of EUR 1.7 million is generated with the exclusive marketing of products from the manufacturers RPMC Lasers (USA), Shanghai Dream Lasers (China), Snake Creek Lasers (USA) and Seminex (USA). There is particular demand for the green miniature lasers produced by Snake Creek Lasers and for which FLC has held the exclusive sales rights in Europe since 2005. The rest

is accounted for by the company's own products focusing on laser diodes and diode-pumped lasers. *'We have our industry and military-standard modules produced cost-effectively in Belarus, which is known for its highly developed optics industry,'* explains Dr Vsevolod Mazo.

'Our speciality is undoubtedly laser diodes with which we cover every wavelength; we also offer every conventional laser diode!'

The highlights of the product programme, which always corresponds to the state of the art, include, among others, the high-performance laser diode modules of the HEML series. They supply a stable output power (<1%) and wave length (>0.2 nm) over a broad temperature range of 0° C to 40 °C and are also impressive with a superb beam position stability and alignment.

'We are established in an industry, that is still very young, have a good reputation and epitomise outstanding product know-how and quality,' says Dr Vsevolod Mazo, summing up.



Flagship of the products offered by the Frankfurt Laser Company: temperature-stabilised high-performance laser diode module the HEML series



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