



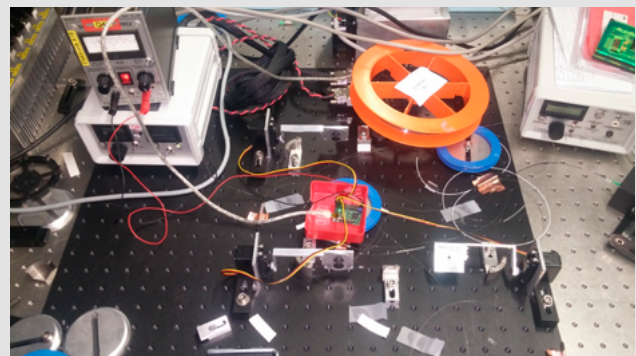
8PHOTONICS: MODULAR FIBRE-OPTIC PROTOTYPING

Problem – Challenge

A fibre optic assembly usually consists of several 10 meter long optical fibres with micro-optic elements between the individual sections of the fibre. In addition, laser diodes and detectors are always required, together with electrical drivers and electrical temperature controllers.

The picture shows on the right a fibre laser setup as conventionally assembled in a research lab:

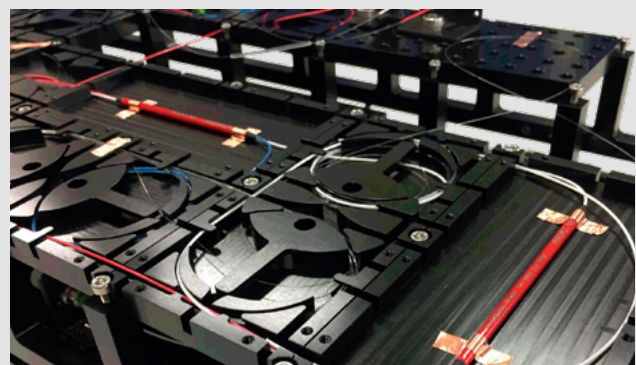
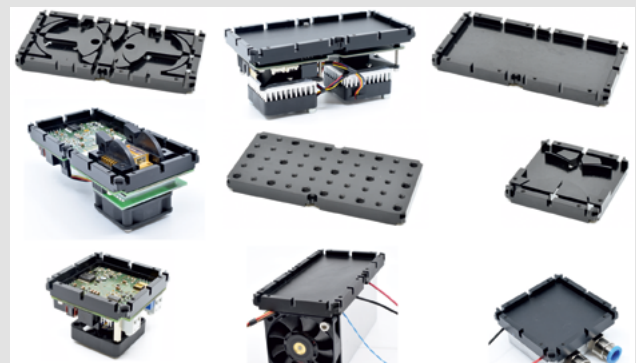
- Home-made reels to wind up fibres are screwed on an optical table/breadboard
- Fibre optic components are placed between the reels and scotch-taped to the breadboard
- Electronics drivers from various manufacturers stand freely around the setup



Solution

Next generation modular innovation platform to build fibre optic systems 8photonics' offers a range of rectangular building blocks that can be freely combined on a modular framework.

With 8photonics' innovative platform, many different tidy and transportable fibre laser prototypes/demonstrators become feasible within a much shorter development time.



Application area: Fibre Laser Physics, Rapid Prototyping