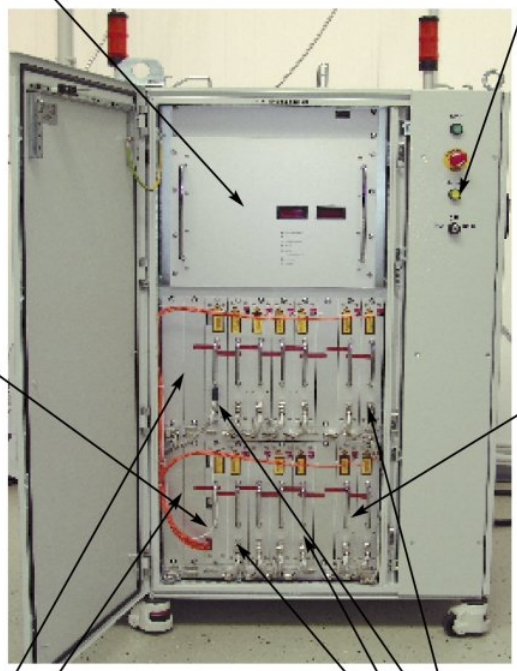
Modular System Design - Simple and Rock Solid

Power Supply

10-40kW power supply can fit in one rack cabinet and support up to 12kW of output optical power.

Control and Safety Electronic

Control interfaces are industry standa and can be provided as PCB board or PI version. You can choose InterBus PROFINET as a standard feature.



Beam Combiner

Combines all input single mode fiber in one output feeding fiber (100 micron in the case of 7kW laser shown). This part is extremely reliable but also replaceable in the field if required.

Redundant Module

If something happens wi a regular fiber laser mo ule the module would tu off and a redundant modu starts automatically leavi you with the same pow An alarm would be activa ed notifying you that a mo ule requires service but th laser would keep operatir

Empty Slots

Lasers can be upgraded to higher powers if required (for example to 10kW total output in this case).

Optical Modules

The fiber Laser is modular, built from multiple laser modules, each one of them could generate hundreds of Watts of output power. This also allows the laser to have reserved modules and power margins. As shown - 7kW laser with 500W reserved power.