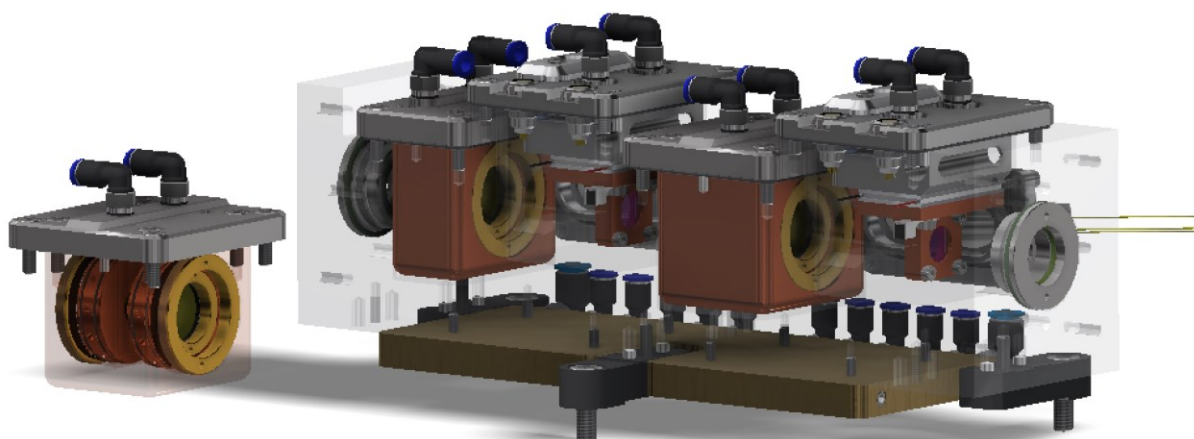


SHG/THG Module



- ▶ completely **enclosed beam**, allowing controlled air-flow along beam path
- ▶ **mini-clean room environment**: overpressure prevents dust from entering
- ▶ all **optics are accessible from „outside“** and can be aligned even during operation
- ▶ **SHG + THG crystal easily exchangeable** and adjustable from outside
- ▶ water cooled apertures to absorb unwanted reflexions
- ▶ no cable and tubes in beam area
- ▶ water cooled, **shaking test during FAT**
- ▶ interface for connecting additional modules and/or closing window
- ▶ **sensors**: damage detection of optics + NTC + SHT21
- ▶ basic **self status check**, interface for control of fs/ps/ns seed via **CAN BUS**

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