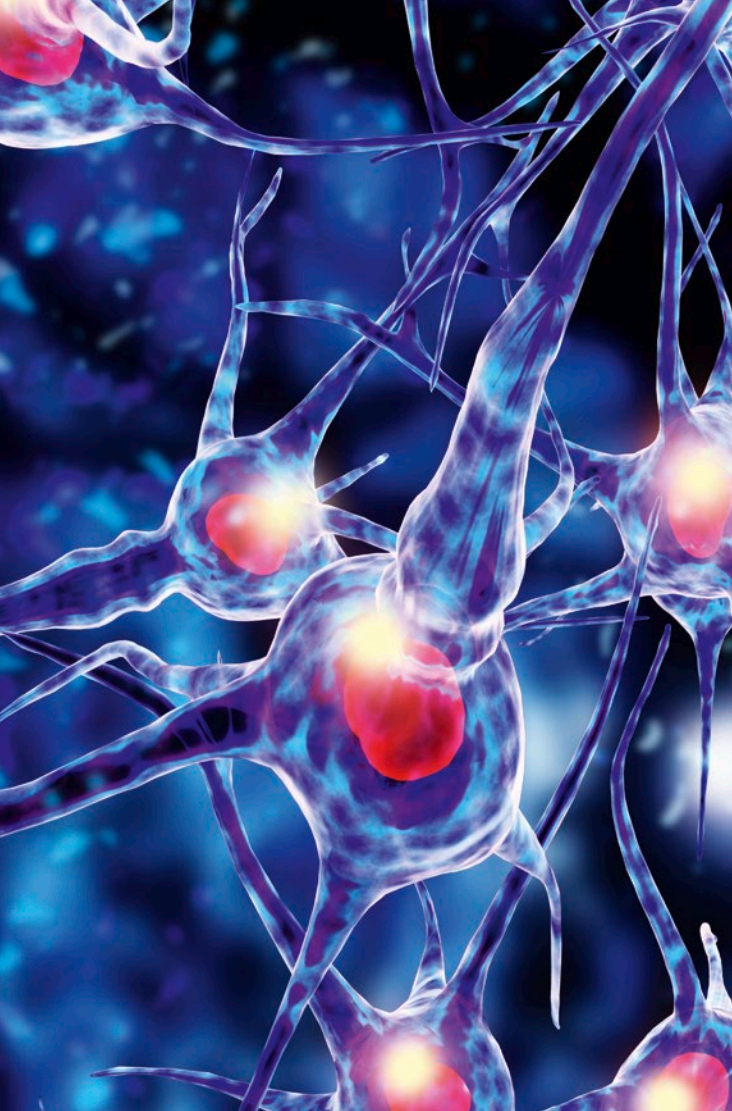


THE COMPACT & FLEXIBLE LASER COMBINER
C-FLEX

HÜBNER Photonics | Coherence Matters.





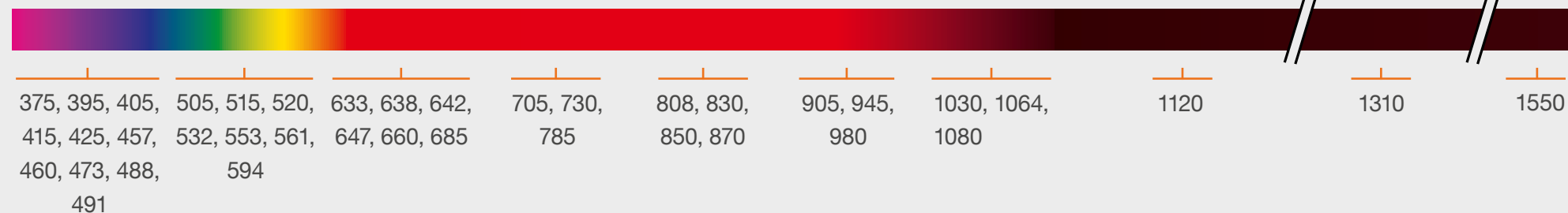
C-FLEX LASER LIGHT, TAILORED TO YOUR NEEDS

As a highly-flexible and extremely compact laser combiner, C-FLEX lets you combine up to 6 wavelengths out of more than 30 wavelengths available. The lasers can be controlled either separately¹⁾ or via common USB port²⁾. C-FLEX is field-upgradeable and ready to mount DPSS or diode lasers of the Cobolt 06-01 & 04-01 Series as well as most common lasers for laser combiners on market³⁾. The flexible design enables integration of optional AOM modulators that allow fast modulation of DPSS lasers. Free space beam output or fiber coupling options are available. C-FLEX comprises countless options to make it your first choice in laser combiners.

Applications

- Fluorescence microscopy
- Flow cytometry
- Optogenetics
- Photochemistry

AVAILABLE WAVELENGTHS (in nm)



The way setups are meant to be

C-FLEX features a common power supply and common interlock (key switch plus remote interlock) for all lasers. It is passively cooled (active cooling module available) and field upgradeable. C-FLEX is ready to mount Cobolt 04-01 & 06-01 Series lasers and others³⁾. The compact and robust design of the C-FLEX provides excellent long-term stability and outstanding flexibility for your application.

Highest Flexibility

- Choose between more than 30 different wavelengths
- Combine up to 6 wavelengths
- Control the lasers via a common USB port²⁾
- Use the analog and digital modulation capabilities of each laser via SMA connectors
- Integrate optional AOM (acousto-optical modulators) for fast modulation of DPSS lasers and power regulation
- Select optional fiber coupling (single-mode/polarization-maintaining)

¹⁾ All interfaces are easily accessible; adapter kits for different lasers are available

²⁾ USB 2.0 standard; depending on laser module

³⁾ Please contact Sales for further information

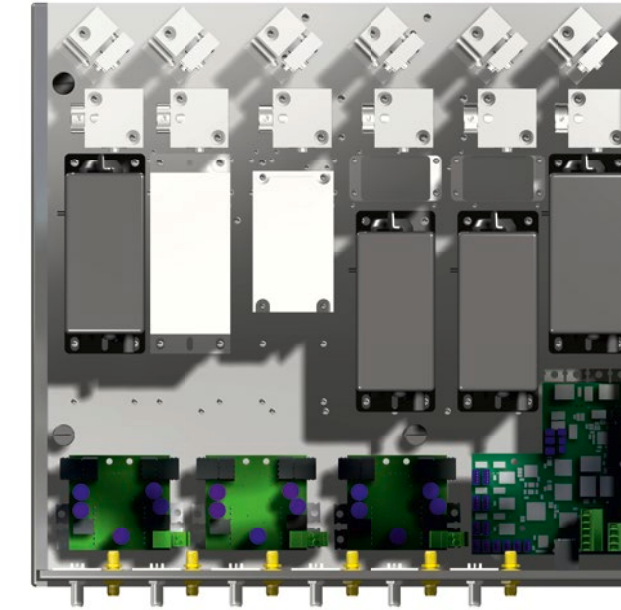


Figure 1: Configuration example of C-FLEX equipped with six lasers and two acousto-optical modulators (AOM).

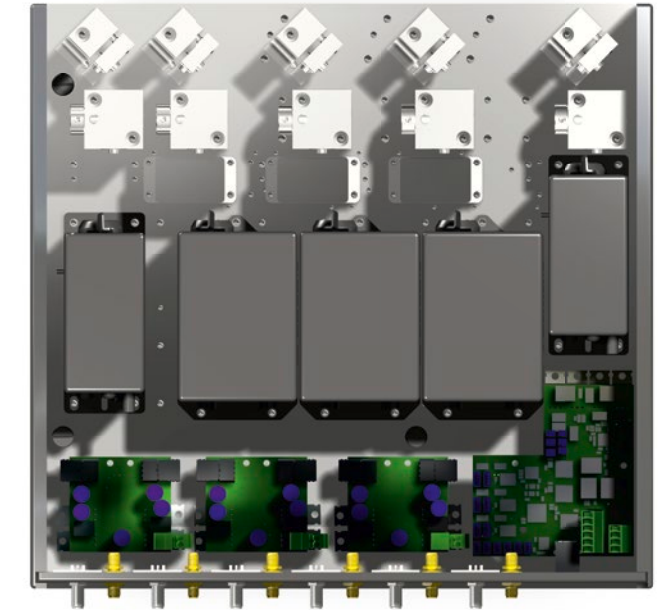


Figure 2: Configuration example of C-FLEX equipped with three DPSS lasers from Cobolt 04-01 Series combined with AOMs and two Cobolt 06-01 Series diode lasers.

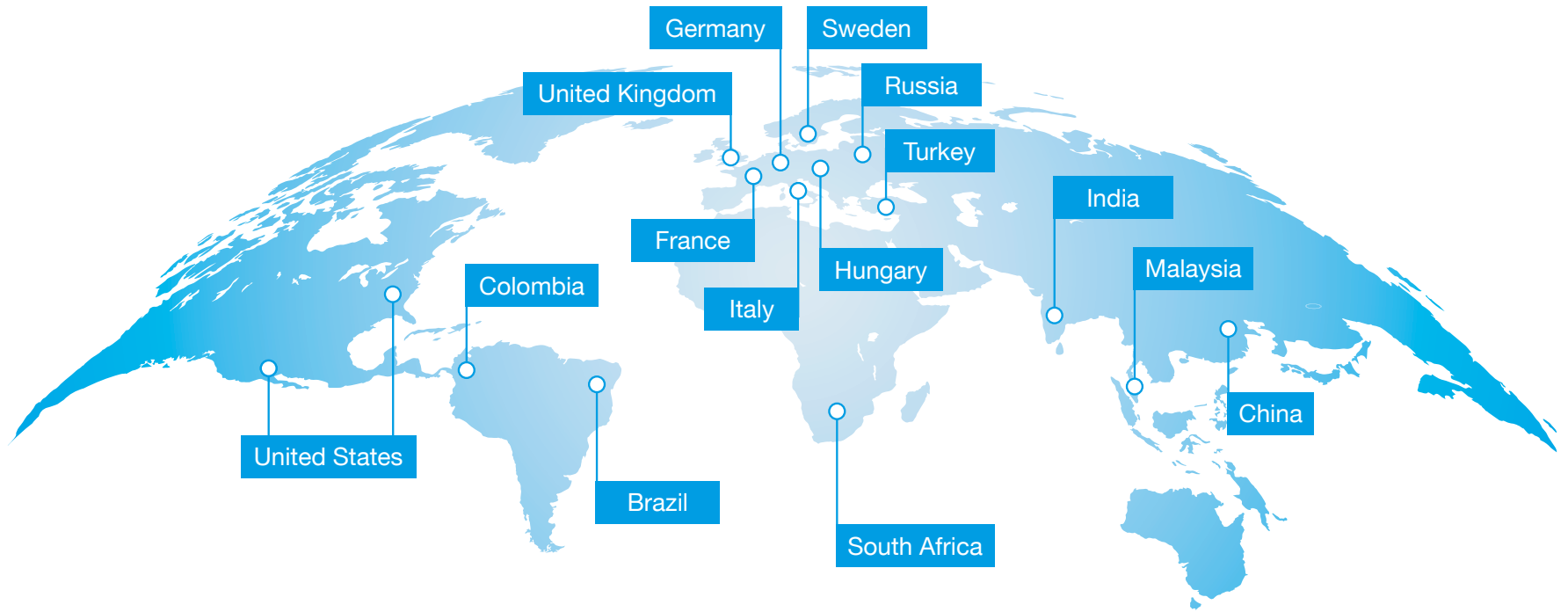
TECHNICAL DATA

Computer Interface	USB 2.0
Operating temperature	10 – 40 °C @ baseplate
Relative humidity	10 – 85 %, non-condensing
Power supply	110 – 230 V, 50 – 60 Hz
Power consumption	< 120 W*
Warranty	12 months

* Depends strongly on laser configuration and can be significantly lower.

DIMENSIONS (W/O FIBER COUPLING)

Length	290 mm
Width	305 mm
Height	65 mm
Weight (w/o lasers)	approx. 3.8 kg



This isn't just another technology company. For more than 70 years, the HÜBNER Group has been around. More than 2,600 employees worldwide serve customers every day – with

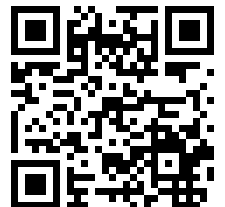
an understanding based on mutual respect, honesty and products you can trust. Coherence Matters is in our genes and our spirit – all day, every day.



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