



## NLIGHT ALTA 2KW COMPACT

### Technical specifications

|                            |   |
|----------------------------|---|
| Manufacturer:              | nLight  |
| Designation:               | ALTA 2kW compact  |
| Condition:                 | as new condition  |
| Year of manufacturing:     | 2017  |
| Laser type:                | fiber laser   |
| Wavelength:                | 1080nm  |
| Operating mode:            | cw  |
| Laser power:               | 2000W   |
| Stimulation:               | diode pumped  |
| Beam quality (BPP):        | 2 mm mrad   |
| Operating voltage:         | 400V AC   |
| AC frequency:              | 50 ... 60Hz   |
| Applications:              | cutting, welding,<br>cladding   |
| Materials to be processed: | mild steel, high<br>strength steels,<br>stainless steel / CrNi,<br>aluminium, titanium,<br>copper / brass |
| Equipment:                 | fiber-fiber-coupler<br>QBH - LLK-D, water-<br>air-chiller   |

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### Fiber cable

|                        |      |
|------------------------|------|
| Fiber cable connector: | QBH  |
| Fiber cable length:    | 20m  |
| Fiber core diameter:   | 50µm |

### Description

- cw or qcm operation
- Power tunability 5-100%
- Power variation (8hr) <1%
- Rep Rate 100 kHz and 5  $\mu$ s rise/fall time

**All listed systems are ready for demonstration at our location in Burgdorf. We are happy to perform a sample processing on your test components!**

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