Coherent, Inc. – Corporate Profile

- Corporate Headquarters: Santa Clara, California, USA
- Founded in 1966
- Sales $1.4 Billion (FY19)
  - Asia: 63 %; US: 16 %; EU: 18 %; RoW: 3 %
- ~5,200 Employees
- 27 Manufacturing Sites in 10 Countries

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Ultrafast Technologies for Material Processing

**Technology**
- **ps lasers**
- **fs fiber lasers**

**Performance**
- **HyperRapid NXT**
  - IR: 1064 nm
  - 100 W to 4 MHz
  - 250 µJ/400 kHz
- **Monaco 80-60**
  - IR: 1035 nm
  - 60 W
  - 80 µJ/750 kHz
- **Monaco UV**
  - IR: 1064 nm
  - 100 W to 4 MHz
  - 250 µJ/400 kHz

**Enablement**
- **SmartCleave/burst**
- **HALT/HASS testing**
- **UV/DUV Expertise**

**Applications**
- **OLED processing**
  - Hole cut: 70 µm separation
- **Si wafer cutting**
- **Glass/Sapphire processing**
  - Gorilla glass, speaker hole SEM Image
Complementary Ultrafast Technologies for Material & Life Sciences

**Technology**
- Ti:Sapphire (800 nm)
- Ytterbium (1040 nm)

**Performance**
- "mode-Locked" 50-100 MHz
- "amplified" 1-1000 kHz

**Enablement**
- Vertical supply chain
- Industrial mftg.
- HALT/HASS testing

**Applications**
- EUV generation
- Atto Physics
- THz generation
- NL-Imaging
- 2D spectr
- Time-res Spectr.
- Matl. Proc.