

DIAMOND SA

The Company



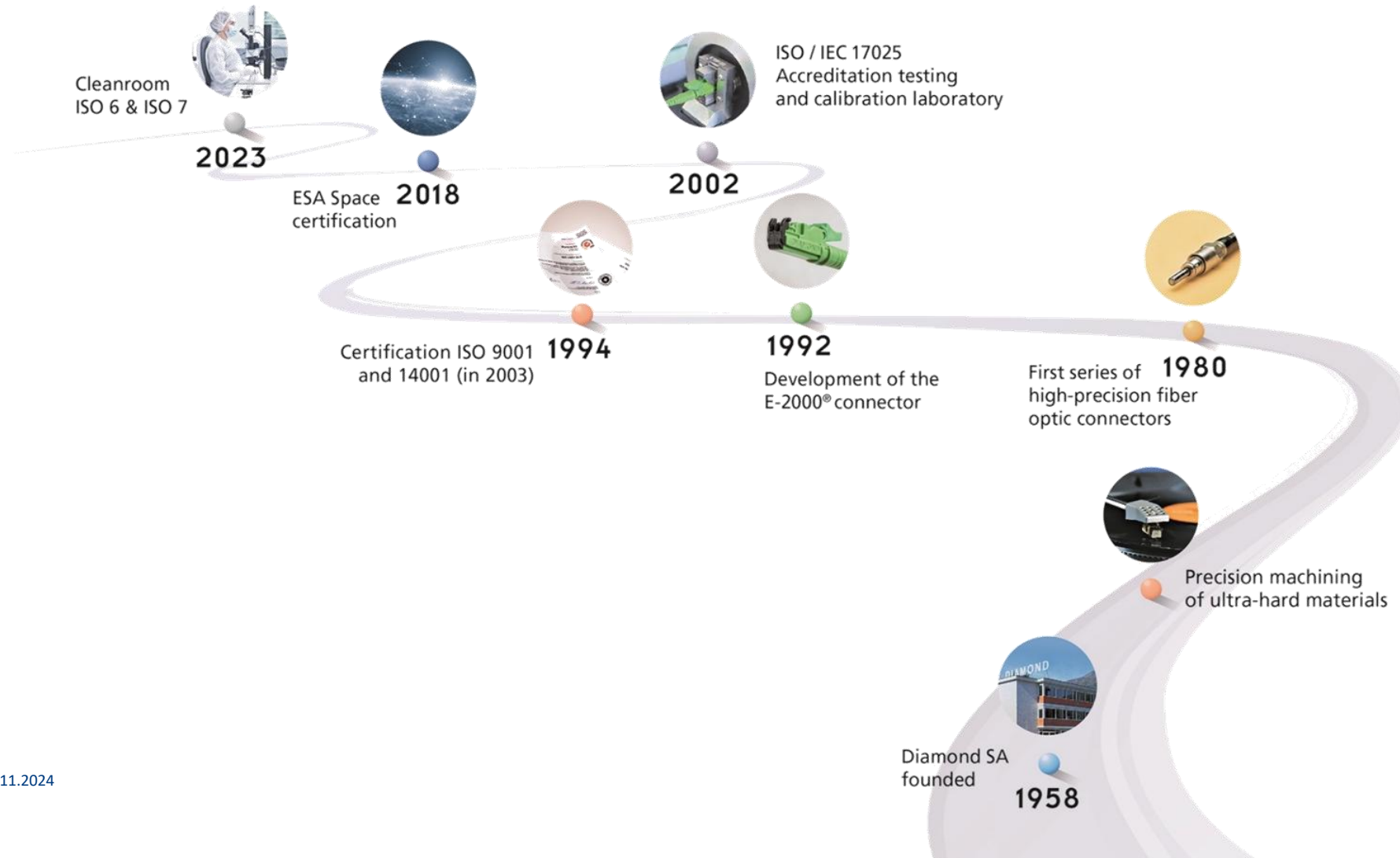
About the Company



- Privately owned company with over 60 years of experience
- Headquartered in Losone, Switzerland
- Manufacturer of ultra-high performance fiber optic interconnects and assemblies
- “In-house” manufacturing of our products
- Working to tight tolerances, according to customer requirements



Striving for progress



Structure of DIAMOND Group



DIAMOND Headquarters

- 13,500m² in 5 buildings, including an ISO certified laboratory
- 220 employees
- ISO 9001:2015
- ISO 14001:2015
- REACH and RoHS compliant



DIAMOND Headquarters

Structure of DIAMOND Group – DIAMOND Germany



DIAMOND GmbH

- 1,712 m²
- 32 employees
- ISO 9001:2015
- ISO 14001:2015
- REACH and RoHS compliant



DIAMOND GmbH

Structure of DIAMOND Group – DIAMOND USA



DIAMOND USA

- 1,067m²
- 22 employees
- ISO 9001:2015
- ITAR compliant
- REACH and RoHS compliant



DIAMOND USA Inc.

Main Market Segments



Telecom



Industrial and Photonics



Space and Defense

DIAMOND SA Vertical Integration



High Quality Zirconia powder



Isostatic pressing
High temperature sintering
High precision machining



Finished Parts

CERAMIC



High-tech plastic granulate



High-precision plastic injection
molding under Diamond control



Finished Parts

PLASTIC



Metal blanks



Precision turning and milling
Ultra-precise honing and lapping



Finished Parts

METAL

ISO/IEC 17025 Accredited Test and Calibration Lab



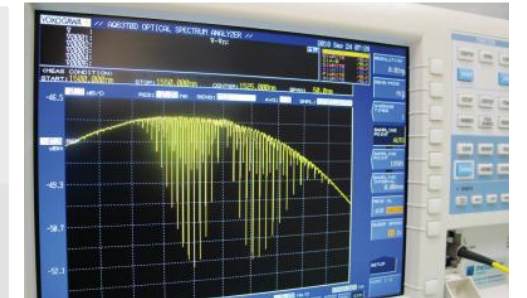
Fiber Optic Laboratory

- Testing Laboratory for Fiber Optic Components
- Calibration Laboratory for Fiber Optic Measurement Instruments



Services offered

- Calibration Services
 - Power meter instruments
 - OTDR Instruments, SM and MM Modules
- Measurements & Tests
 - Optical and Geometric Parameters
 - Mechanical tests
 - Environmental tests
 - High optical power tests



Our cleanrooms

Cleanroom IOS 5, ISO 6 and ISO 7

- according to norm DIN EN ISO 14644-1
- 800 m² cleanroom surface

Services offered

- Assembling
- Cleaning
- Drying
- Controlling
- Packaging

Products

- Connector Sets
- Pigtails / Patchcords
- Adapters
- Mechanical parts



ASSEMBLING



CLEANING



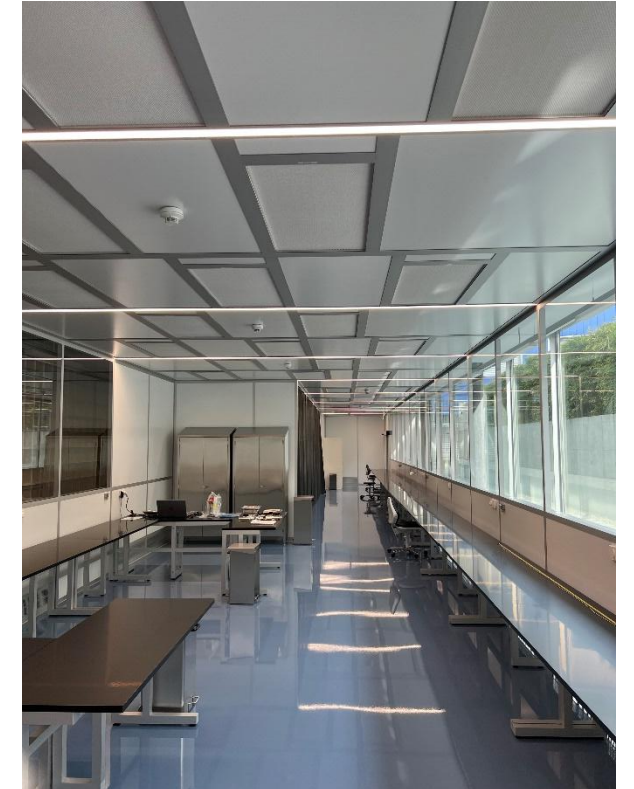
DRYING



INSPECTION



PACKAGING



Cleanroom ISO 6

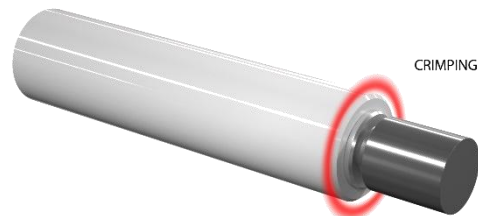
DIAMOND ferrule technology

The difference is in the details

- Ceramic ferrule with titanium insert - Composite Ferrule

Advantages of Diamond ferrule technology:

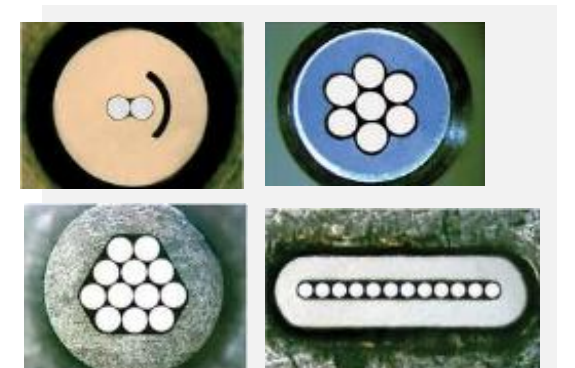
- Ultra-tight tolerances for ferrule outer diameter
- Superior ultra polishing
- Fiber sizes from 80 μ m to 800 μ m with special drilling
- Multi-fiber ferrule of various form, configuration and size
- Active Core Alignment through plastic deformation of titanium



Active Core Alignment (ACA)

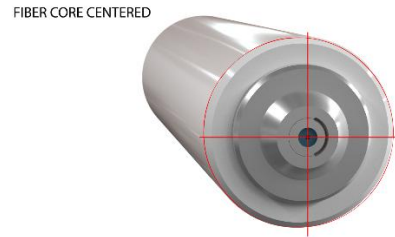


DIAMOND Ferrule

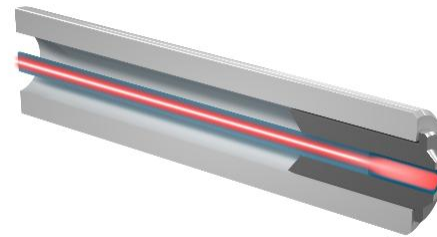


DIAMOND ferrules with special drilling

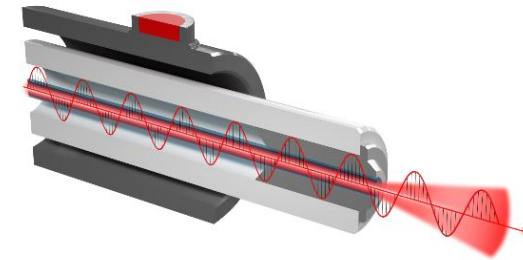
Active Core Alignment



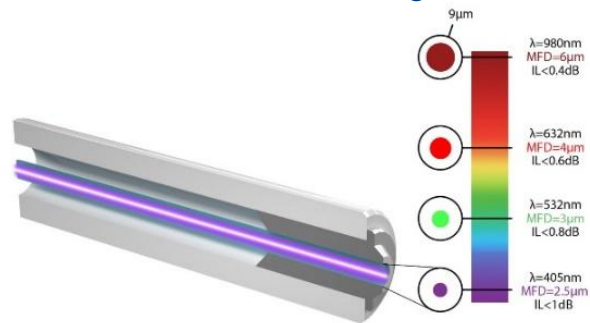
Power Solution



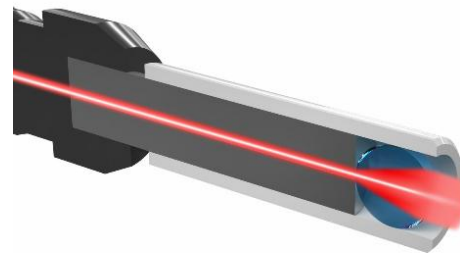
Polarization Maintaining



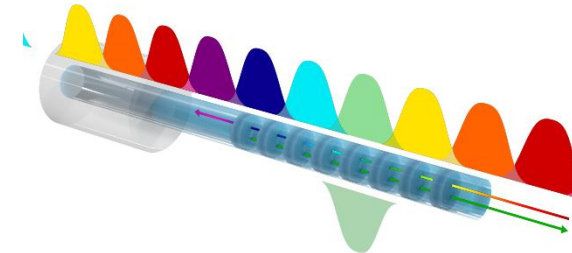
VIS/NIR Short Wavelengths



Lensed Ferrule (XB)



Fiber Bragg Grating



Single channel interconnects



E-2000®

F-3000®

DiaLink

SC

FC

ST™

AVIM®

Midi AVIM® /
Mini AVIM®

Micro AVIM®/
DMI

F-SMA

Multi-channel interconnects



DM4 based



HE-2000®



MIL-38999
DM4 Family



MIL-83526 DM4

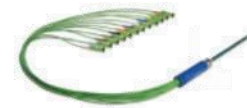
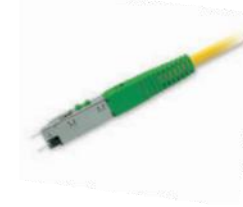


X-BEAM

MT based

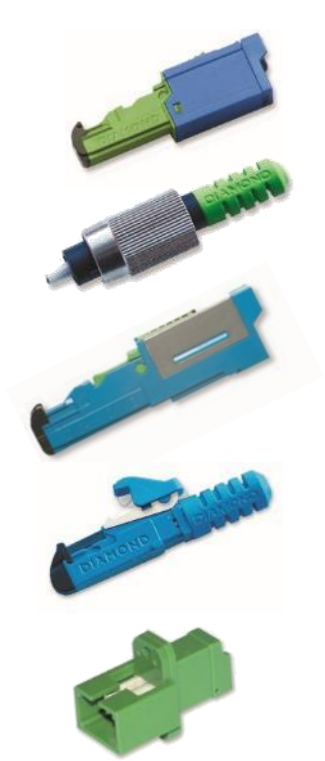


DiaFlex



Multiple Fiber

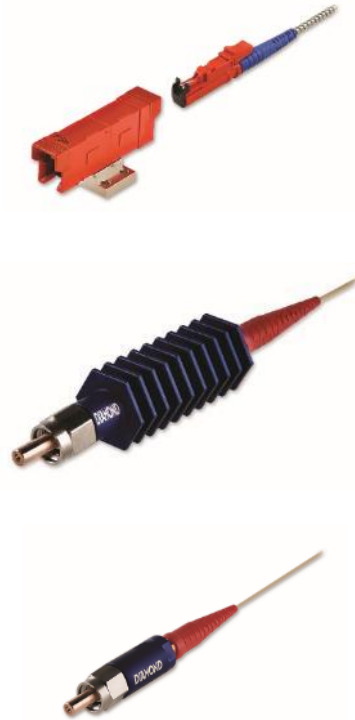
Accessories / special assemblies



Accessories



Custom Products



Cleaning & Inspection



Measurement



Field Assembly

Benefits of partnering with DIAMOND

- Fully integrated product lifecycle services
 - Vertical - Mechanical processing facility, plastic injection molding, ceramic production, electronics, assembly and logistics services
 - Horizontal – design, prototyping, NPI, mass production and supply chain services
- R&D design services
- Extensive experience of advanced product design and manufacturing for a wide range of applications



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