PHOTON KINETICS

1050S Subunit Aligner

Automated, low loss, low reflectance temporary coupling for loose tube and ribbon fibers

Features

Single-stage, compact design

- Ideal for in-process testing of single ribbons or loose tubes having up to 16 fibers.
- Easily transportable between production lines for immediate process feedback.

High-speed and reliable profile alignment with OTDR-guided optimization

- Method proven by years in high volume fiber and cable production environment.
- Ensures lowest possible coupling loss, highest possible dynamic range and fastest measurements.

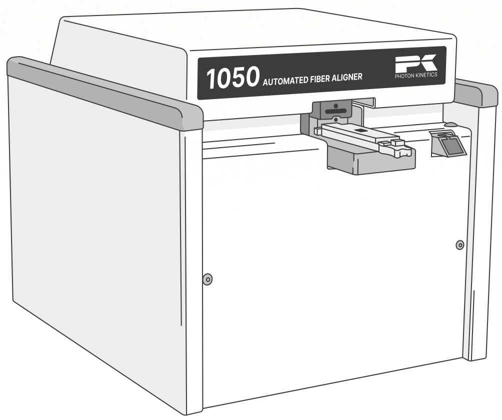
Mass fiber preparation tools

- Allow fast, easy preparation and loading of both PK ribbon and loose fiber holders.
- Same tools as used with the 1050C Cable Aligner.

OASYS.net Compatibility

- Offline definition of subunit designs, OTDR data acquisition settings and fiber performance limits.
- Simplifies test setup and execution on the production line.

For more information contact sales@pkinetics.com



Multiple Fiber Alignment

Specifications

Performance	
Subunit Types	Single-core ribbons or loose tubes
Maximum Number of Fibers [1]	36
Fiber Cladding Diameter [2]	125 µm nominal
Coating Diameter [2]	200 to 250 µm nominal
Coupling Loss [3]	< 1.0 dB, < 0.5 dB typical
Coupling Reflectance [3]	< -40 dB, < -50 dB typical
Coupling Speed [4]	< 8 seconds
Physical and Environmental	
Dimensions	8.8 in W x 8.8 in. H x 12.8 in. D (22.4 cm x 22.4 cm x 32.5 cm)
Weight	20 lbs (9.1 kg)
Power	100-240 V ac, 2.5 A max., 50/60 Hz
Operating Temperature	15 to 40 °C
Storage Temperature	0 to 40 °C
Humidity	< 80% RH, non-condensing

Notes:
1. *Contact factory.*
2. *Other fiber and coating diameters may be available. Contact factory.*
3. *IEC Type B-652 fiber at 1310 nm.*
4. *Includes index matching liquid application.*

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Specifications subject to change without notice

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