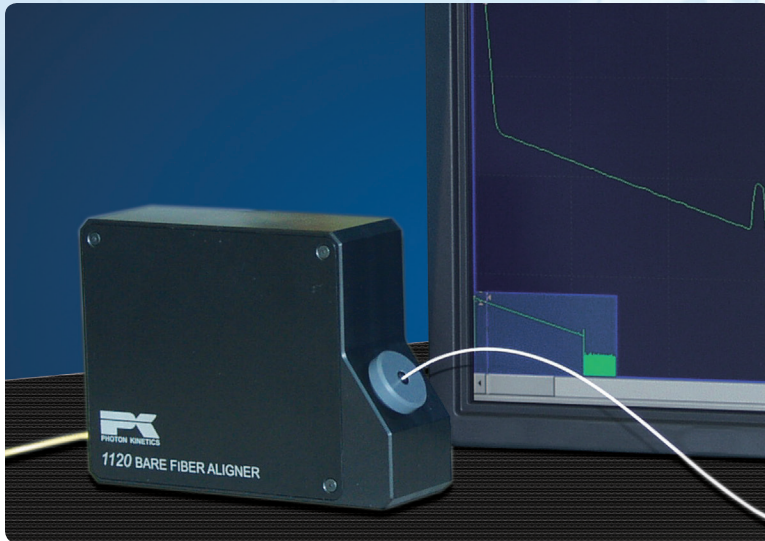


1120 Bare Fiber Aligner



Connecting fibers to test equipment pigtails is often time-consuming and costly. The Photon Kinetics 1120 Bare Fiber Aligner makes it possible to reduce test setup time to seconds, thereby reducing overall testing cost. Just strip the fiber, scribe and break it (or use a more precise fiber cleaver, if desired) and then insert the prepared end into the 1120. In an instant, the fiber is coupled to your OTDR or chromatic dispersion test system with low optical loss, low reflectance and you're ready to start testing.

The 1120's compact, ergonomic industrial design is well-suited for low to moderate volume fiber and cable testing applications where automated fiber alignment systems are less economical. It is particularly useful as part of an in-process or finished cable test station employing either the 8000i or 8000 OTDR, and the OASYS.net OTDR Automation Software.

The 1120 is available in both multimode and single-mode configurations with integrated, low loss buffer fibers, ranging in length from 1 to 1500 meters.

Features and Benefits

- Fast, low loss fiber-to-fiber couplings increase measurement speed, improve quality
- Ergonomic design, reduces operator fatigue, improves productivity
- Low loss buffer fiber minimizes OTDR "dead zone" effects
- Compact footprint reduces test station clutter
- Refillable cartridges keep index matching gel contaminant-free, simplify application

Specifications	
Aligner Coupling Loss	< 0.5 dB typical
Aligner Coupling Reflectance	< -45 dB typical
Operating Temperature	10 to 30° C
Dimensions	
Buffer Fiber Module (1120B)	12.5 x 12.5 x 2.5 cm (4.9 x 4.9 x 1.0 in.)
Field Aligner (1120F)	3.1 x 3.7 x 2.4 cm (1.2 x 1.5 x 0.9)
Production Module (1120M)	11.9 x 16.3 x 4.9 cm (4.7 x 6.4 x 1.9 in.)
Production Aligner (1120P)	9.5 x 6.2 x 3.6 cm (3.7 x 2.4 x 1.4)
Matching Gel Cartridge Lifetime	
112X-IMC	> 500 fiber insertions (typical)
112X-RMC	> 500 fiber insertions per refill (typical)


Options

Options available for the 1120 include:

- Index Matching Cartridge Refill Kit
- Refillable Gel Cartridges (spare)
- Disposable Gel Cartridges (non-refillable)
- Index Matching Gel (~250 cartridge refills)

Note that every 1120 configuration is furnished with one refillable index matching gel cartridge (sufficient for >500 fiber insertions).

Complete Module




1120M Production Aligner Module

1120M-125-□□ / □□□□ - □□□□ - □□□□


Fibers Aligned	Buffer Core/Clad	Length	Connector
125 = 125µm OD	10/125 = Single-mode 50/125 = 50µm Multimode 62/125 = 62.5µm Multimode	0250 = 250 m 0500 = 500 m 1000 = 1000m 1500 = 1500m	FCA = FC-APC FCP = FC-PC

The integrated 1120M Production Aligner shown above should be ideal for most production testing applications. However, it may be preferable to assemble a complete aligner from the components shown below. Several different configurations are possible by combining either a Field or Production Aligner (1120F or 1120P) with an 1120B Buffer Fiber or 1120J Jumper Fiber. These components may also be purchased individually.

Aligners



1120F Field Aligner

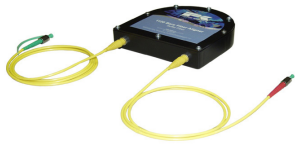


1120P Production Aligner


1120□-□□□

Configuration	Fibers Aligned
F = Field Aligner P = Production Aligner	125 = 125µm OD 230 = 230µm OD

Buffers and Jumpers



1120B Buffer Fiber



1120J Jumper Fiber

1120□-□□□ / □□□□ - □□□□ - □□□□

Configuration	Fiber Core/Clad	Length	Connector
B = Buffer Fiber J = Jumper Fiber	10/125 = Single-mode 50/125 = 50µm Multimode 62/125 = 62.5µm Multimode	0002 = 2 m (Jumper) 0250 = 250 m 0500 = 500 m 1000 = 1000m 1500 = 1500m	FCA = FC-APC FCP = FC-PC

Photon Kinetics includes products formerly branded as York Technology, PK Technology, GN Nettest and NetTest.

Photon Kinetics, Inc.
 9305 SW Gemini Drive, Beaverton, OR 97008 USA
 Tel +1 503 644 1960
 Fax +1 503 526 4700

ISO 9001:2015 certified. Printed in the USA. Specifications subject to change without notice.
 "Photon Kinetics" and the "PK" logo are registered trademarks of Photon Kinetics.