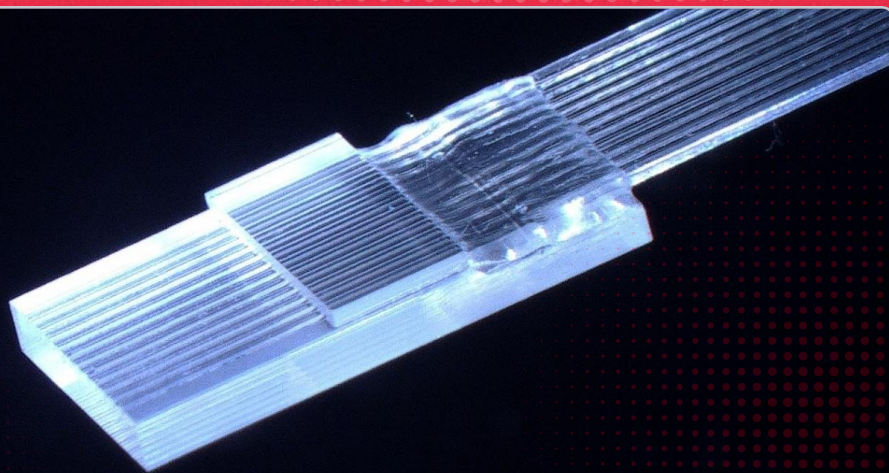
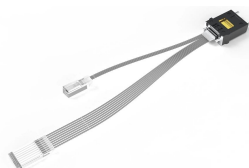


Fiber Array Unit (FAU) Product Lineup

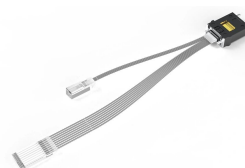
- Standard catalog
- Custom engineering
- Automated scale



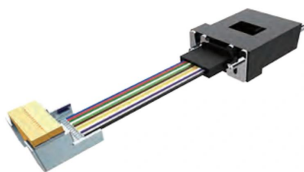
Standard Products



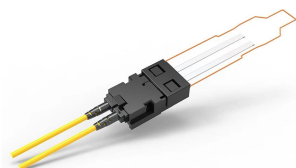
Standard Fiber Array



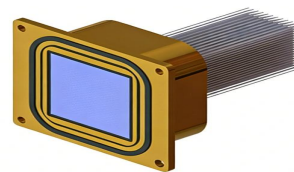
FAU-PM
(Polarization State Preservation)



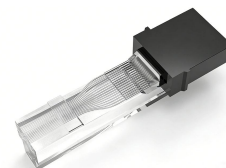
FAU 90-Degree Bend



CPO Laser External
Optical Connection



2D-FA



FAU Mode-Field
Conversion Scheme

Fiber Array Unit (FAU) Product Lineup



Custom Configurations

Parameter	Range
Fiber type	PM, SM, hybrid (PM + SM in one array), or RC (reduce cladding)
Fiber count	12, 16, 36, 72 — others on request
V-groove pitch	80 μm / 127 μm / 250 μm for high-density integration
Opposite termination	Breakout, connectorized with single fiber or multi fiber, or per specification



Patented AI Alignment

Specification	Neptec	Industry
Angular tolerance slow & fast axis	$\leq 1^\circ$	$\leq 3^\circ$
Extinction ratio	$\geq 20 \text{ dB}$	$\geq 18 \text{ dB}$

Neptec's patented deep-learning software detects PM fiber end faces and predicts the rotation angle and direction needed to align each fiber to its reference key.



Built to Scale

16 PM / multicore fibers aligned simultaneously

Our PM alignment automation equipment can aligns 16 PM / multicore fiber in the array at the same time.

- Lock the design with our engineering team, then scale — without the per-fiber alignment cost that makes high-count PM arrays expensive.

