

FAU ASSEMBLY

Supported fiber types:

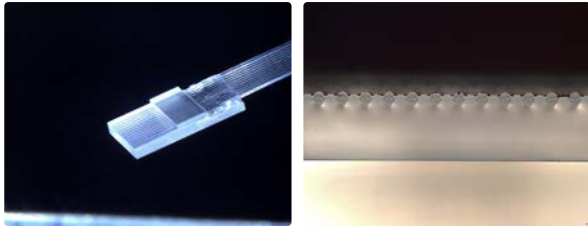
PM, SM, Hybrid including 80 µm cladding fiber

Customized v-groove pitches:

127 µm / 250 µm

PM alignment accuracy

	Industry standard	Neptec
Angular tolerance	$\leq 3^\circ$	$\leq 1.5^\circ$
PER (ED)	≥ 18 dB	≥ 20 dB



JUMPERS & BREAKOUTS

Customizable for Any
Industry



Neptec Optical Solutions, Inc.



Contact Us

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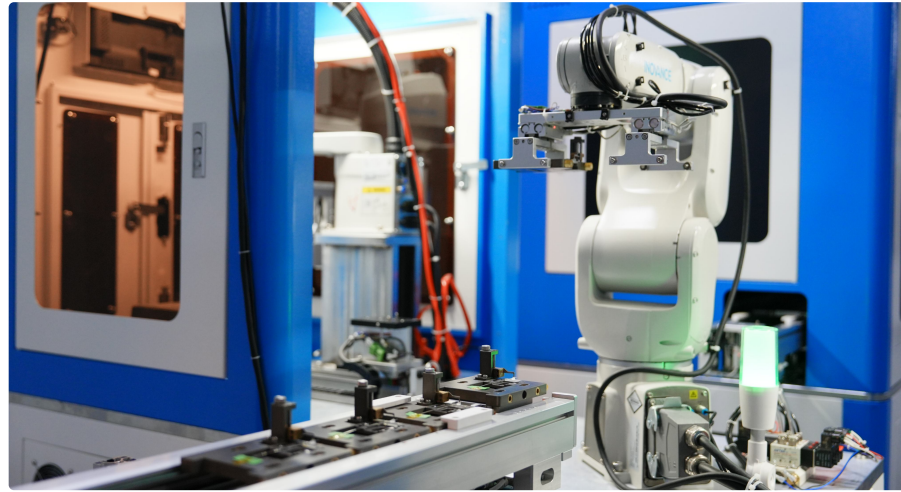
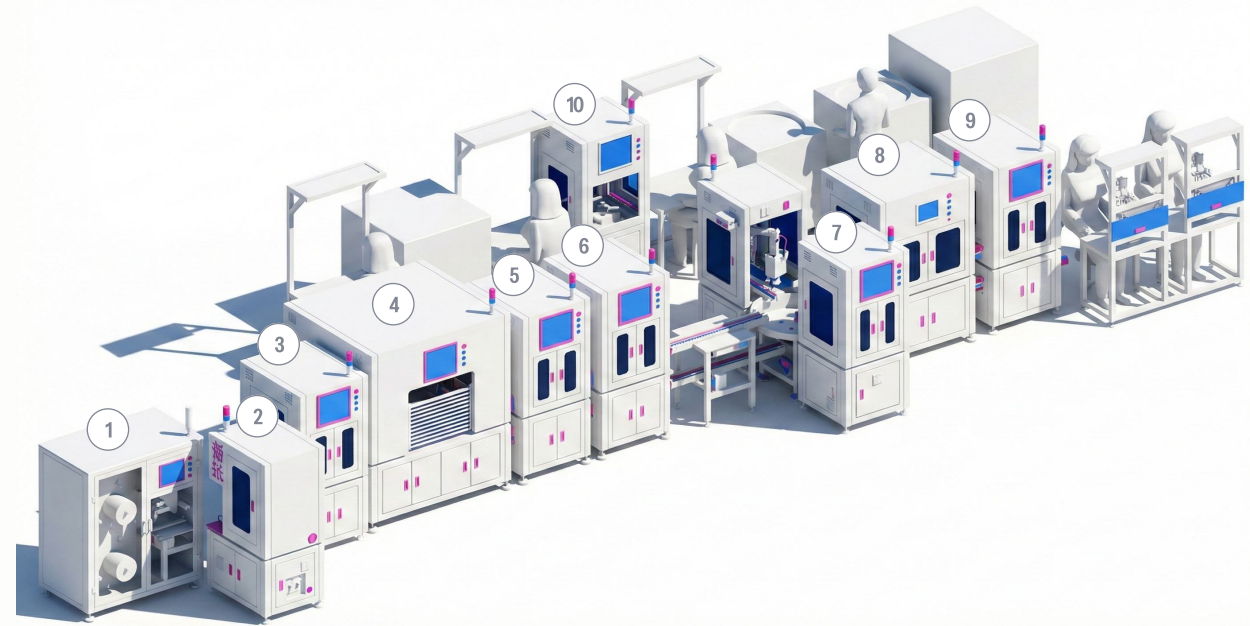
Neptec's Partially
**Automated FA-MT
Assembly**

FA AUTOMATION ASSEMBLY LINE

Throughput: 200 pcs / hr

11 Of 16 Steps Automated:

- | | |
|----------------------------------|--------------------------------|
| 1. Fiber Cutting And Preparation | 10. Excess Epoxy Cleaving |
| 2. Laser Stripping | 11. Backing |
| 3. Fiber Cleaning | 12. Inspection |
| 4. FA Assembling | 13. Polishing |
| 5. Front-End Epoxy Dispensing | 14. Cleaning |
| 6. UV Curing 1 | 15. Fiber End-Face Inspection |
| 7. Back-End Epoxy Dispensing | 16. FA Dimensional Measurement |
| 8. UV Curing 2 | 17. TC |
| 9. End-Face Epoxy Cleaving | 18. Visual Inspection |
| | 19. Packaging |



MT AUTOMATION ASSEMBLY LINE

Throughput: 150 pcs / hr

11 Of 16 Steps Automated:

- | | |
|--|--------------------------------------|
| 1. Multi-Fiber Preloading | 9. Curing Tunnel 2 |
| 2. Fiber Cutting, Stripping And Cleaning | 10. Fiber Cleaving |
| 3. MT Fiber Threading | 11. Fiber Polishing |
| 4. Dummy Fiber Cutting | 12. End-Face Inspection And Geometry |
| 5. Boot End Adhesive Dispensing | 13. Polarity Testing |
| 6. Window Adhesive Dispensing 1 | 14. End-Face Visual Inspection |
| 7. Curing Tunnel 1 | 15. Final Inspection |
| 8. Window Adhesive Dispensing 2 | 16. Packaging |

