

Automation End Products

## FAU ASSEMBLY

Supported fiber types:

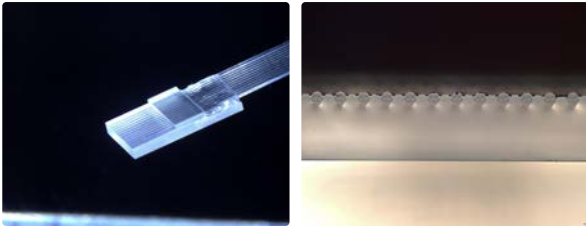
PM, SM, Hybrid including 80  $\mu\text{m}$  cladding fiber

Customized v-groove pitches:

127  $\mu\text{m}$  / 250  $\mu\text{m}$

PM alignment accuracy

	Industry standard	Neptec
Angular tolerance	$\leq 3^\circ$	$\leq 1.5^\circ$
PER (ED)	$\geq 18 \text{ dB}$	$\geq 20 \text{ dB}$



## JUMPERS & BREAKOUTS

Customizable for Any  
Industry



Neptec Optical Solutions, Inc.



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# Built To Scale Your Production

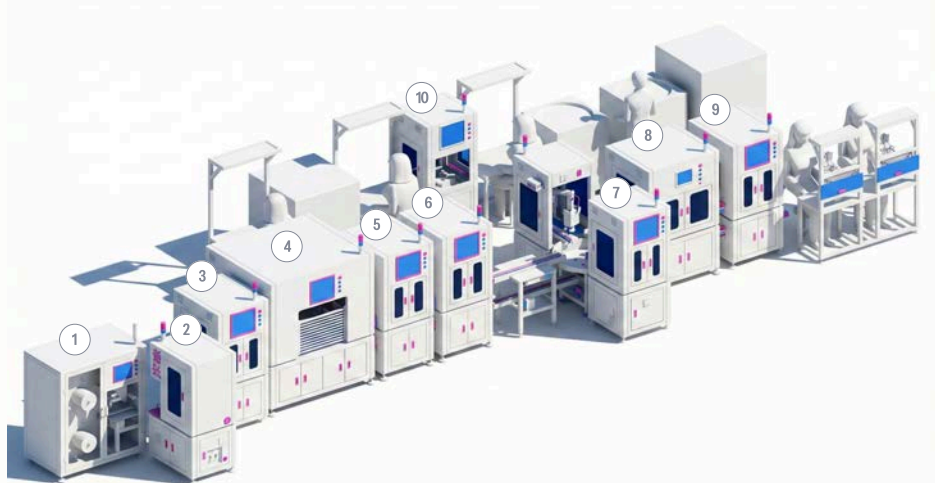


Neptec's Partially  
**Automated FA-MT  
Assembly**

# FA AUTOMATION ASSEMBLY LINE

Throughput: 200 pcs / hr

- |                                  |                                |
|----------------------------------|--------------------------------|
| 1. Fiber Cutting And Preparation | 10. Excess Epoxy Cleaving      |
| 2. Laser Stripping               | 11. Baking                     |
| 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

- |   |  |
|---|--|
| 1. Multi-Fiber Preloading                 | 10. Fiber Cleaving                     |
| 2. Fiber Cutting, Stripping And Cleaning  | 11. Fiber Polishing                    |
| 3. MT Fiber Threading                     | 12. Fiber Cleaning And Drying          |
| 4. Dummy Fiber Cutting And Curing Fixture | 13. End-Face Inspection Interferometer |
| 5. Boot End Adhesive Dispensing           | 14. Polarity Testing                   |
| 6. Window Adhesive Dispensing 1           | 15. End-Face Visual Inspection         |
| 7. Curing Tunnel 1                        | 16. Final Inspection                   |
| 8. Window Adhesive Dispensing 2           | 17. Packaging                          |
| 9. Curing Tunnel 2                        |  |

