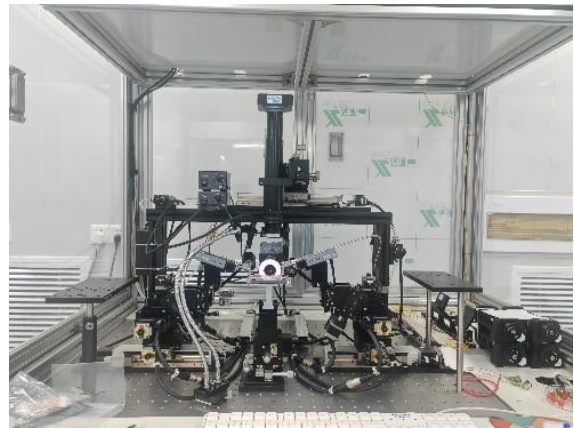


Automatic Waveguide Coupling System

Introduction

The automatic waveguide coupling system includes 13 axis highly-precise motorized stage and automatic test software, supporting waveguide device alignment and UV bonding. It is suitable for optical edge- and grating-coupling for the applications of die, bar and wafer test. It is easily integrated with probe system and third party instrumentation for high frequency optoelectronic device characterization, such as high-speed laser diode, silicon and LiNbO₃ modulators. The modular design ensures the flexible configuration for different applications.



Technical Specification

Linear Travel Distance: >20 mm
Linear Positioning Resolution: 0.05 μm
Repeatability Positioning accuracy: $\pm 0.3 \mu\text{m}$
Angular Travel Distance: $\pm 4^\circ$
Angular Resolution: $\pm 0.0025^\circ$
Repeatability Angular Accuracy: $\pm 0.005^\circ$
Objective Table Travel Distance: 150 mm
Objective Table Rotation Range: 0~360°