

Microfluidic Device Fabrication Machine

This machine is designed for the precise fabrication of microfluidic devices. It enables the creation of intricate channel designs on a microscopic scale.



Overview

Precision Microfluidic Fabrication

This advanced fabrication system is engineered for the high-precision creation of microfluidic devices, enabling intricate channel designs with microscopic accuracy. It is an essential tool for research and industrial applications, including lab-on-a-chip systems, advanced chemical analysis, and biological research. By leveraging sophisticated microfabrication techniques, this machine ensures consistent, high-quality output for complex fluid manipulation structures.

Technical Capabilities

Fabrication Precision

1 μ m

Channel Resolution

Compatible Substrates

Polymer, Glass, Silicon, PDMS

Applications

Primary Use Cases

- Lab-on-a-chip development
- Chemical analysis systems
- Biological research
- Micro-reactor fabrication