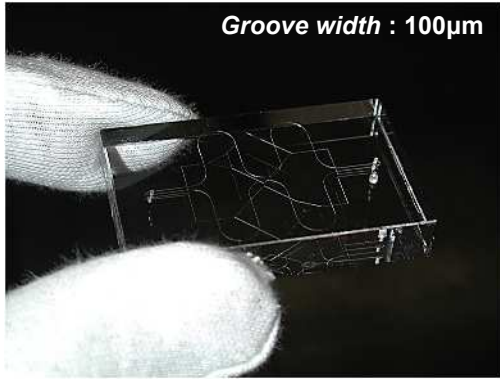


石英ガラス製マイクロ流路チップ

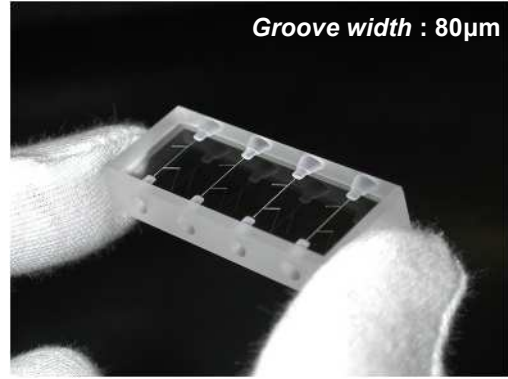
“Quartz Glass Microchannel Chips”

石英ガラスは耐薬品性、耐熱性、紫外線透過性に優れた高純度材料です。

Quartz has excellent characteristics such as high purity, high optical transparency in UV region and high resistance to heat and acid.



積層型マイクロチップ (6層接合)
Multi-layered microchip



4ch試料導入チップ
Sample introduction chip with 4-channels

製品特長

Product Features

- 超精密機械加工により小径孔や3D微細流路の形成が可能

Reduced diameter hole and 3D fine channels can be processed by Ultra-Precision Machining.

- MEMS技術により微細流路パターンの形成が可能

Fine channels can also be formed by using MEMS.

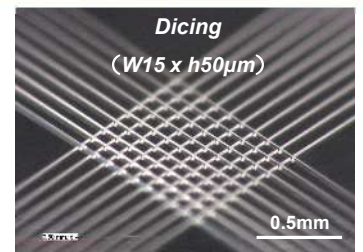
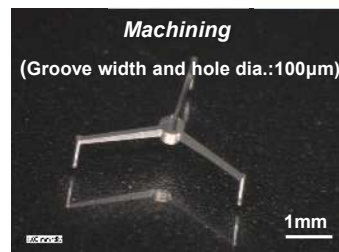
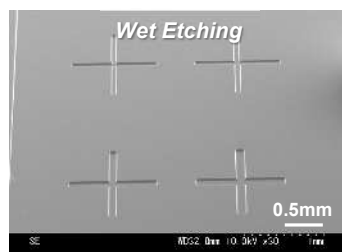
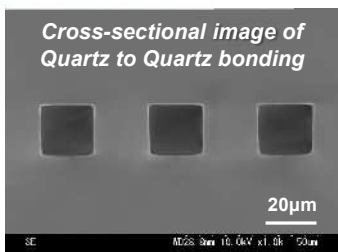
- 石英ガラス同士の多層接合で内部流路の形成が可能

Multiple layered substrates with internal channels can be created by Quartz to Quartz Diffusion Bonding.



標準仕様

Standard Specifications



	Dry Etching	Wet Etching	Machining	Dicing
溝幅 Groove width	>10µm	>10µm	>0.1mm	>15µm
溝深さ Groove depth	<20µm	<100µm	Aspect ratio ~20	<2mm
溝形状 Groove geometry	2D	2D	3D	1D
最大基板サイズ Max size of substrates	φ125mm (5")	φ50mm (2")	500x500mm (20x20")	φ150mm (6")