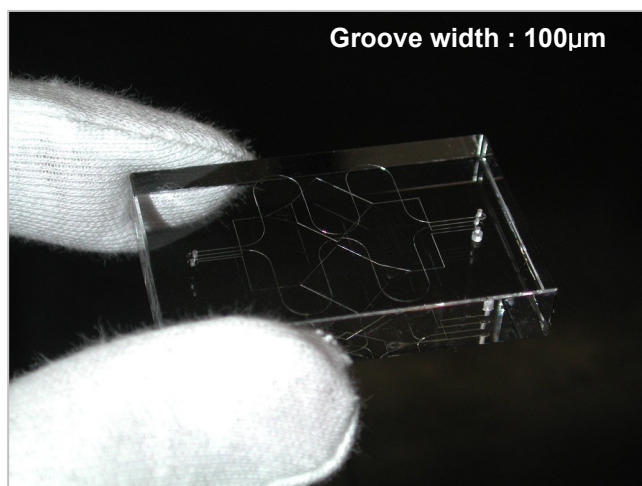
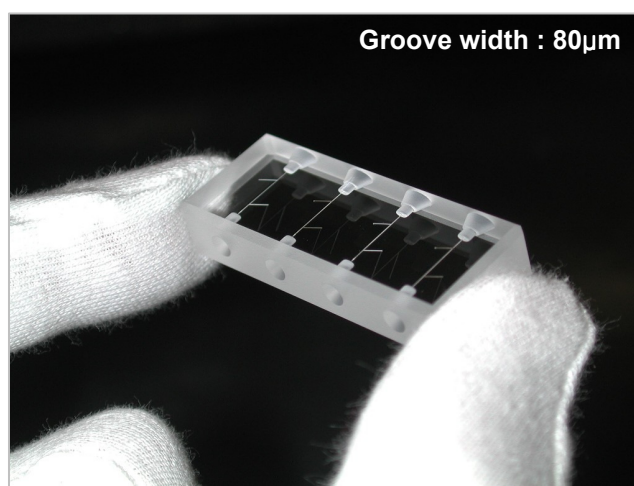


石英ガラス製マイクロチップ "Quartz Microchips"

石英ガラスは耐薬品性、耐熱性、紫外線透過性に優れた材料です。
Quartz has excellent characteristics such as high resistance to heat and acid, UV light transmission.



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

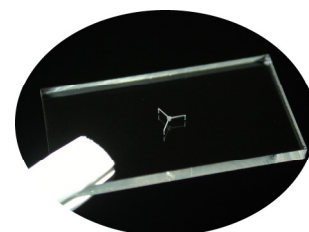


4ch試料導入チップ
< Sample introduction chip with 4channels >

製品特長

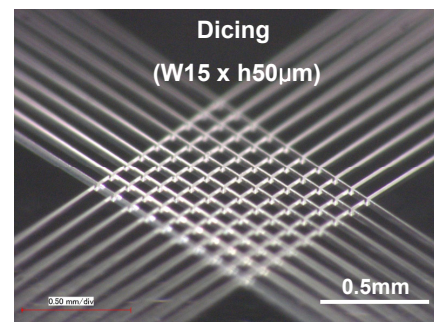
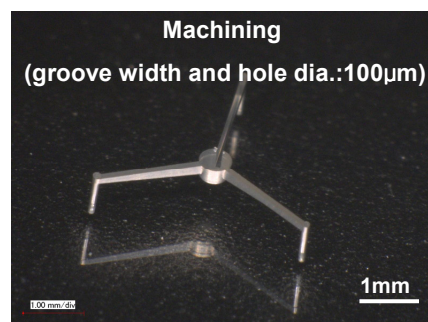
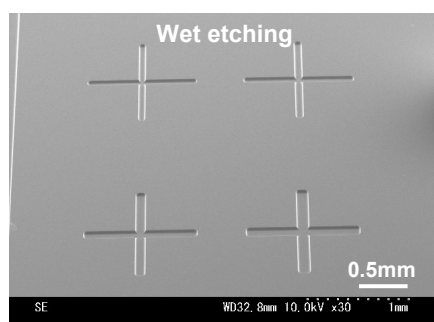
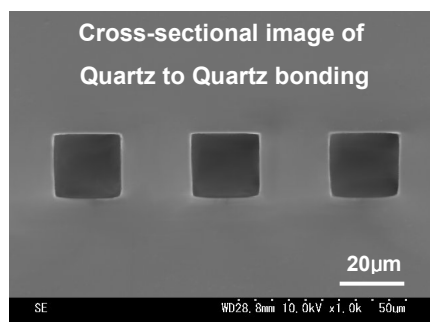
Product Features

- 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 and Micromachining.
- 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 interior channels can be created by Quartz to Quartz Diffusion Bonding as well.



標準仕様

Standard Specifications



	Dry etching	Wet etching	Machining	Dicing
Groove width	>10µm	>10µm	>0.1mm	>15µm
Groove depth	<20µm	<100µm	Aspect ratio ~20	<2mm
Groove geometry	2D	2D	3D	1D
Max size of substrates	φ 125mm (5")	φ 50mm (2")	500x500mm (20"x20")	φ 150mm (6")