

# Micro Diamond Corporation

## Product and technology information

### 1. Brazing of micro tools

Technology of brazing single crystal diamond particulates to a fine tungsten carbide shank directly by chemical and physical reaction.

### 2. Precision grinding of micro tools

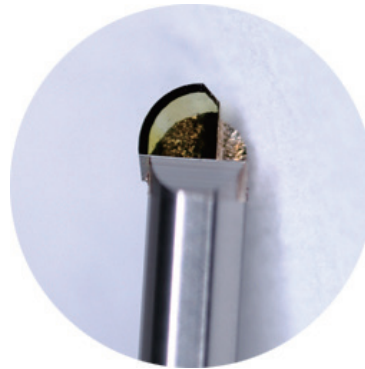
Technology of grinding precisely the rake face or top of circular arc edge of micro rotary tools within the limit of 3  $\mu\text{m}$  against the rotation axis.

## Company Introduction

Micro Diamond Corporation was established in January 2000 as manufacturer of single crystal diamond cutting tools for ultra precision machining. Since then, we have been developing quite unique cutting tools to many Japanese manufacturers.

The tool design and manufacturing process is based on our advanced knowledge about the crystal orientation and precision micro grinding technology.

Our products are currently used for ultra precision machining of automobile's optical devices, medical or bio devices, semiconductor devices, etc.



## Company Information

**Industry** Manufacturer of single crystal diamond micro tools for ultra-precision and super-high-quality microfabrication.

**Corporate name** Micro Diamond Corporation

**Representative** Chief Operating Officer Hirokuni Nakajima

**Capital** 80,500,000 JPY

**Number of Employees** 12

**Person In Charge** Chief Operating Officer Hirokuni Nakajima

**Head office** Yokohama Aioi-cho Building 6-104-2 Aioi-cho Naka-ku Yokohama-shi Kanagawa, 231-0012, Japan

**Main phone number** +81-45-228-8001

**Web address** <http://www.micro-dia.com>

**Established date** 2000 January

**Main Clients** Honda, Fanuc, Panasonic, etc.

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