We have established an “exclusive technology” of super precise mirror polish/lapping from our processing know-hows.

TDC processes wide variety of material such as metal, ceramics, glass, resin, semiconductor material, and others.

TDC’s technology is used in various industries.

Medical  IT/Electronics  Automotive  Aerospace
Processing example

Super precision polished Roll
Applied to high spec film, Nanoimprinting technology.
Max size: dia.450*L3,000mm
Ra1.5nm, Rz8nm (Stainless steel)

Super precision polished Foil
By using TDC’s original polishing system, nano surface in 100M Length is possible.
Ra1nm, Rz6nm (Stainless steel)

Spacer & Shim
TDC’s super precision shims, spacers, washers without dispersion in thickness enable high assembly precision.
We also accept materials and shapes different from TDC standard shim on request.

Micro cube
TDC produces micrometer size cubes using its expertise.
Picture above is SEM image of micro cubes of 50, 100, and 150 micron size.

Chuck plate
We achieve not only precise flatness, but also other extremely difficult requirements such as size tolerance, angle, parallelism at the same time.
Flatness: 0.1micronmeter
Size: Φ100mm

Other shapes
We have many special lapping machines for polishing not only flat items but curves, Inner diameter of cylindrical shape, spherical bodies.
There polishing will also be finished in Ra 1 nm level.

Super precision polished Foil
By using TDC’s original polishing system, nano surface in 100M Length is possible.
Ra1nm, Rz6nm (Stainless steel)

Fine Polish TDC

CONTACT

If you have any question or inquiry, please do not hesitate to contact us.

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