

Drag-Finish



Tipton's Drag Finisher 1st machine
made in 1977



Achievements of over 40 years!

Full model change of Drag Finish in response to user's voice

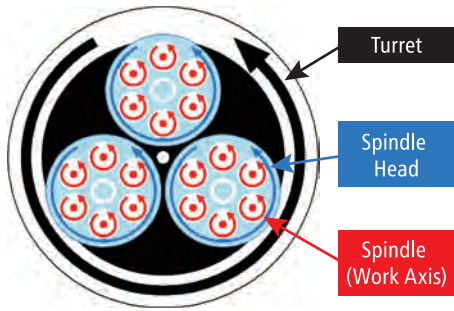
Mirror finish without scratches, achieving Ra <math><0.005 \mu\text{m}</math> with special media.

Feature

- 6 degrees of parts axis tilt + forward / reverse rotation.
- Rotation speed up / down by 50%, high speed reversal is possible.
- Detachable drill chuck setup outside of the machine.
- Index train automatic stop + brake motor.
- Built-in dust collector, lining in barrel tank. (for dry type)
- Multi-speed program operation on touch panel.
- Customize with a variety of options and requests.



Structure / Principle



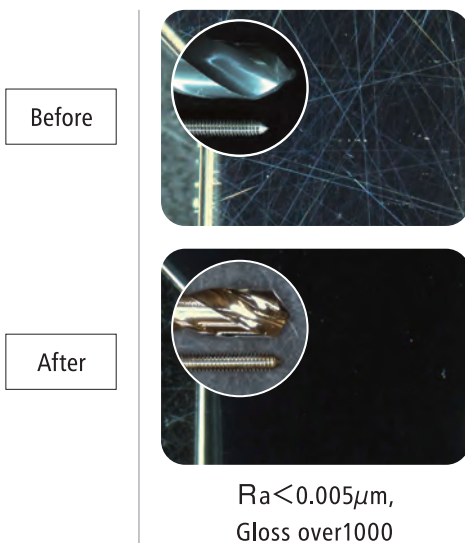
When the turret rotates once, the spindle head rotates 3 times and the spindle rotates 9 times.
The spindle head is rotated by the dedicated motor that can be further accelerated or decelerated.
Polishing is performed by submerging the parts axis in the barrel tank and spinning it from low speed to high speed with forward and reverse.

Application

- Carbide tool Radiusing & Droplet Removal.
 - Cutting tool Mirror finishing.
 - Artificial joint Surface finishing.
 - Precision parts Mirror finishing.
 - Metal parts Smooth to Mirror finish.
 - 3D printer molded products Surface finish.
- etc.

Processing Example

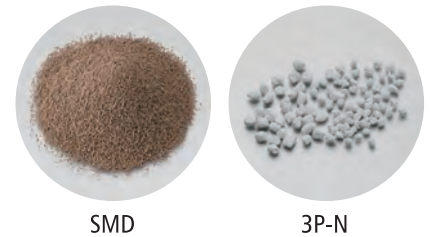
Mirror Finishing



Tool's Edge Radiusing



Media



- SMD
Application: Super mirror polishing
Size: #5~60
- 3P-N
Application: Micro finishing • Luster finishing
Number: 6~20

*Custom prototype are also available.

Specifications

Model	Footprint	Overall Height	Barrel Capacity	Parts Axis	Chuck Type	Weight
CF3-6	1450mm×1300mm	2650mm	Approx.160L	6axes×3base=18axes	Keyless drill chucks 0.8mm~10.0mm	Approx.1700kg



Head Office 3-19-21 Toyoda, Minami-Ku, Nagoya, Aichi Prefecture 457-8566 Japan
Tel: +81-52-692-6666 Fax: +81-52-692-9445

Headquarter-Sales 3-19-21 Toyoda, Minami-Ku, Nagoya, Aichi Prefecture 457-8566 Japan
Tel: +81-52-692-7175 Fax: +81-52-692-0249

Tobishima Factory 3-25-1 Odakara, Tobishima-Mura, Ama-Gun, Aichi Prefecture 490-1438 Japan
Tel: +81-567-56-7500 Fax: +81-567-56-7513

Detroit Office 28317 Beck Road Suite E-14 Wixom, MI USA 48393
Tel: +81-90-7698-8473

Quality Assurance Section for Product Quality Tel: +81-567-56-7503 Fax: +81-567-56-7516
Engineering Section for Machine Maintenance Tel: +81-567-56-7504 Fax: +81-567-56-7514

Web Site <https://www.tipton.co.jp>
E-mail sales-department@tipton.co.jp
overseas@tipton.co.jp

*All unapproved reproductions of a report, a photograph, etc are forbidden found in this catalog.

•INQUIRIES