

Global network

Domestic Production Sites



Domestic Department (Sales office)

Headquarters	2-17-10 Shimomaruko, Ota City, Tokyo 146-0092	TEL.03-3759-7124
Koriyama office	2-2-8 Machiikedai, Koriyama City, Fukushima 963-0215	TEL.024-963-2221
Tochigi office	425-3 Takahagi-cho, Sano City, Tochigi 327-0821	TEL.0283-22-1628
Saitama office	Taguchi Bldg. 101, 4-12-6 Buzo, Minami-ku, Saitama City, Saitama 336-0025	TEL.048-872-1250
Tokyo office	2-17-10 Shimomaruko, Ota City, Tokyo 146-0092	TEL.03-3759-7124
Hadano office	41-2 Hirasawa, Hadano City, Kanagawa 257-0015	TEL.0463-82-0959
Nagoya office	2-4-1 Saiwai-cho, Kariya City, Aichi 448-0025	TEL.0566-45-7715
Hokuriku office	3-1-13 Toidemachi, Takaoka City, Toyama 939-1104	TEL.0766-88-3915
Osaka office	8-10 Yoshino-cho, Suita City, Osaka 564-0054	TEL.06-6384-1731
Okayama office	8234-15 Aza-Shinminato, Tamashima-Otoshima, Kurashiki City, Okayama 713-8103	TEL.086-522-6683
Moji office	3-3-7 Kuzuha, Moji-ku, Kitakyushu City, Fukuoka 800-0008	TEL.093-331-2136
Kumamoto office	1966 Sekishimo, Nankanmachi, Tamana-gun, Kumamoto 861-0805	TEL.0968-53-3111

Overseas Departments

Export Department	2-17-10 Shimomaruko, Ota City, Tokyo 146-0092	TEL.+81-3-3759-7124
Fuji Die Trading (Shanghai) Co., Ltd.	Room 705, Suite A, Orient International Plaza 85 Loushangguan Road, Shanghai 200336, P.R.C	TEL.+86-21-6278-9105/9106
FUJILLOY (THAILAND) CO., LTD.	Amata Nakorn Industrial Estate 700/296 Moo 1 Tambol Ban Kao, Amphur Panthong, Chonburi 20160, Thailand	TEL.+66-38-465377
PT. FUJILLOY INDONESIA	Jl. Mitra Raya II Blok F 9B,Kawasan Industri Mitra Karawang 41361 West Java, Indonesia	TEL.+62-267-861-0241/0242
FUJILLOY MALAYSIA SDN. BHD.		
Penang Office	303-3-30 Krystal Point Jalan Sultan Azlan Shah, 11900 Bayan Lepas, Penang, Malaysia	TEL.+60-4-646-8090
Kuala Lumpur Office	Unit 19-13A (19-14) Avenue Crest, Lot 2A, Jalan Jubli Perak 22/1, Section 22, 40300 Shah Alam, Selangor Darul Ehsan, Malaysia	TEL.+60-3-5039-0848

Fuji Die Co.,Ltd.

Headquarters : 2-17-10 Shimomaruko Ota City TOKYO 146-0092 JAPAN

TEL : +81-3-3759-7124 FAX : +81-3-3756-0290

URL <http://www.fujidie.co.jp>

FUJILLOY

Company Guide

The Leading Company of Wear Resistant Tools

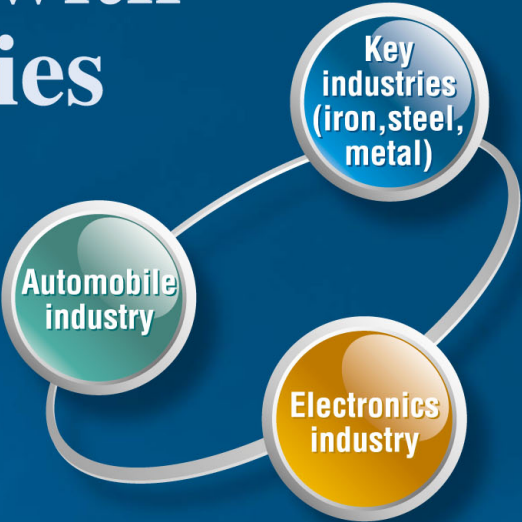
To support the future with outstanding technologies

Every technology is for satisfying customers.

Fuji Die has a long history of customer-oriented manufacturing during which we have devoted ourselves to refining the spirit and technology of wear-resistant tools. Through our factories and service network which span throughout Asia and all of Japan, we promptly deliver the required tools to any location and at any time.

Fuji Die is Japan's leading company in cemented carbide wear-resistant tools. We have developed numerous products in this field, including dies for electronic components, dies for automotive components, and dies for battery parts. Fuji Die also actively works to develop environmentally-friendly materials, and to establish new fields and technologies.

Everything we do is for the sake of our customers. We strive to become a corporation which brightens every aspect of society.

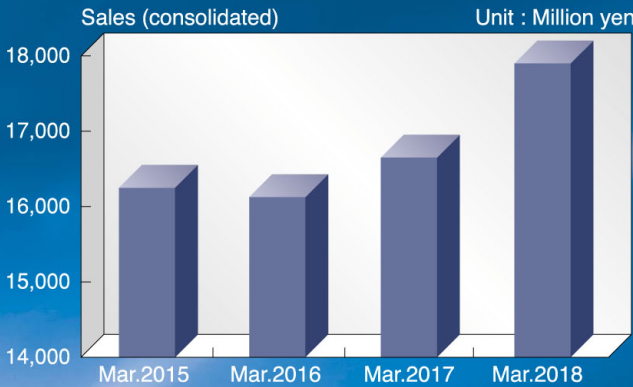


Company Profile

Company name : Fuji Die Co., Ltd.
Headquarters : 2-17-10, Shimomaruko, Ota City, Tokyo
Founded : June, 1949
Capital : 164 million yen
Business activities : Manufacturing and sales of cemented carbide wear-resistant tools/dies

Sales : 17.9 billion yen (consolidated; for period ended March 31, 2018)

Number of employees : 1,116 (consolidated; for period ended March 31, 2018)



Drawing Die & Mandrel



Roll



CVD,PVD,DLC Coating Tools



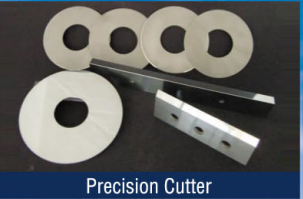
Die & Punch for Manufacturing Cans



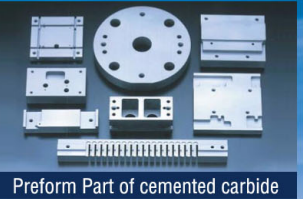
Powder Compacting Mold



Anvil, Cylinder, Piston



Precision Cutter



Preform Part of cemented carbide



Heat Resistance Alloy



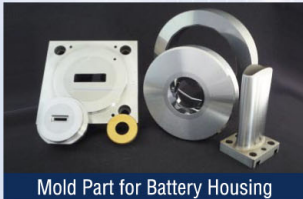
Cold Forging Die & Punch



Steel Mold



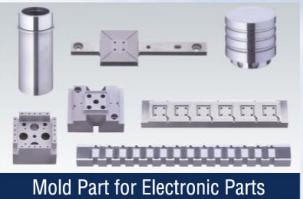
Mold Part for Lens



Mold Part for Battery Housing



Ceramic Tool



Mold Part for Electronic Parts



Kneading & Extruding Part for Resin



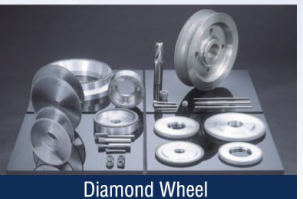
Super Precision Wear-Resistant Tool



Self-Lubricating Composite



Electrodes of Copper-Tungsten Alloy for EDM



Diamond Wheel

The Leading Company of Wear Resistant Tools

FUJILLOY

Integrated production system of FUJILLOY

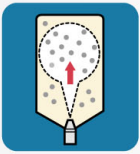
Based on FDS (FUJI DIE Standards) in compliance with ISO9001 and ISO14001, we utilize high-precision technology to provide cemented carbide optimized for the needs of our customers.

One of our company's strengths is our integrated production system which spans from tool design to procurement of raw material powder, sintering and machine processing, and even encompasses ultra-precise inspection.

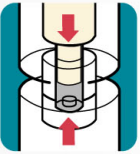
Production processes of the super - hard alloy FUJILLOY



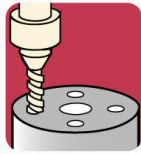
● Order Placing and Design



● Raw Materials Granulation



● Pressing



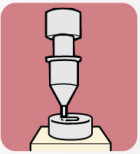
● Forming



● Sintering
● HIP (Hot Isostatic Pressing)
● Completion of Cemented Carbide Material



● Grinding and Cutting Processing
● Wire EDM (Electric Discharge Machining) and EDM (Electric Discharge Machining)
● Lapping



● Inspection



● Shipment

FUJILLOY supports customer's needs

Through advanced sintering technology, we provide comprehensive support from ultra-large products to micro-precision shapes. Our capabilities include a variety of cemented carbide materials (chips) and processing.

Shape	Manufacturing record
1. Ring	Weight $\phi 470 \times \phi 110 \times 280$ 600kg
	External diameter $\phi 540 \times \phi 505 \times 30$ 12kg
	Height $\phi 500 \times \phi 460 \times 580$ 250kg
2. Cylinder, disc	Weight $\phi 350 \times 300$ 400kg
	External diameter $\phi 440 \times 150$ 340kg
	Height $\phi 200 \times 500$ 220kg
3. Block	Weight $250 \times 450 \times 510$ 700kg
	D×W $400 \times 500 \times 5.0$ 15kg
	Height $40 \times 40 \times 1,250$ 30kg

Shape	Manufacturing record
4. Long cylinders	Less than $\phi 5.0$ Length:330 mm
	From $\phi 5.0$ to $\phi 20.0$ (exclusive) Length:600 mm
	$\phi 20.0$ or longer Length:1,250 mm
5. Thin products	*Applies to shapes 1-3 listed on left. $\phi 100$ or less Thickness:1.0 mm
	$\phi 300$ or less Thickness:4.0 mm
6. Screw processing	Round
	Plate

*Please contact Fuji Die regarding types of supported materials and accuracy of dimensions.

Product inspection without compromise

We continue to respond to the high expectations of our customers by implementing highly-functional inspection equipment.

Meter name	Manufacturer name	Model	Specs*
Laser interferometer	Zygo	VeriFire XP/D	Flatness:0.015 μ m, sphericity:0.03 μ m
Large roundness meter	Taylor Hobson	Talyrond 400	Roundness:±0.05 μ m, roundness:±1 μ m/1000mm
Roundness meter	Taylor Hobson	Talyrond 395	Roundness:±0.05 μ m, roundness:±0.3 μ m/500mm
Surface roughness meter	Taylor Hobson	Talystep	0.0001 μ m (0.1nm)
Surface profile meter	Taylor Hobson	Form Talysurf PGI 1240	0.0008 μ m (0.8nm)
Length meter	Sip	305M	±0.2 μ m
Step gauge	Moore	450 mm standard	±0.25 μ m
Ultra-hard gauge block	Johansson	112 sets	In conformity with Class K
Master straight edge	Moore	610 mm straightness standard	0.254 μ m
Calibration cylinder	Taylor Hobson	500 mm straightness standard	0.3 μ m
Calibration cylinder	Taylor Hobson	1,000 mm straightness standard	1 μ m
Index head	Moore	1,440 index	±0.1 sec
Autocollimator	Hilger watts	TA-80	±0.2 sec
NPL angle gauge	Hilger watts		±1 sec
Non-contact three-dimensional profilometer	Zygo	New View 6300	0.0001 μ m (0.1nm)
Non-contact three-dimensional meter	Mitaka Kohki	NH-3 SP	(0.1+0.3L/10) μ m
Ultrahigh-precision three-dimensional meter	Matsushita Electric Industrial	UA-3P	0.3 μ m (maximum gradient: 60°)
CNC image measurement device	Nikon	VMH-300N	(0.9+L/300) μ m
Ultrahigh-precision CNC image measurement device	Mitsutoyo	LEGEX774	(0.35+L/1000) μ m
CNC three-dimensional coordinate measuring machine	Carl Zeiss	PRISMO Navigator 5	(0.9+L/350) μ m
CNC fully-automatic gear measuring machine	Osaka Seimitsu Kikai	CLP-35	0.1 μ m
Ultrahigh-resolution field-emission electron microscope	Hitachi High-Technologies	S-4800	1.0nm

*Measurement accuracy (the accuracy of assurance) indication error (except from a measurement uncertainty)

We have a number of related measuring devices.