

ISO 9001

BUREAU VERITAS
Certification

Excluding design



Certificate No. TH003622

Production for cultivating the future

FUJILLOY

The Leading Company of Wear Resistant Tools



FUJILLOY (THAILAND) CO., LTD.

TO PROVIDE FUJILLOY" TOOL FOR LIFE" IN ASEAN MARKET

Fuji Die's trademarked FUJILLOY "Tools for life" has always understood in ASEAN Market. FUJILLOY (THAILAND) CO., LTD. was founded on subsidiary 100% owned by Fuji Die Co., Ltd. Japan to provide our customers in ASEAN Market with quality tools for today and tomorrow's need.

We, FUJILLOY, are provided "Tool for Life" for high precision parts in a wide variety of fields are essential for our customers in ASEAN market if they are to maintain and accelerate the pace of today's of remarkable technological innovation.

Ultra-hard, wear-resistant tools are needed to produce those high-precision parts, we, FUJILLOY, has answer to your problems of tool wear, and can recommended you the most suitable tips "FUJILLOY", ceramics materials, and other raw materials to prolong of your tool life.

We, FUJILLOY, remains committed to providing you with the high quality products and service anytime, anywhere and on any deadline.

Production processes of the super-hard alloy **FUJILLOY**

Sales and engineering staff directly visit each "site" of the research sections and factories, etc. of clients, to check all necessary factors for manufacturing.



● 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

COMPANY PROFILE



FUJILLOY (THAILAND) CO.,LTD.

Address : Amata Nakorn Industrial Estate 700/296 Moo 1
Tambol Bankao, Amphur Panthong, Chonburi 20160 Thailand.
Tel : (66) 038 465 376-7 Fax : (66) 038 465 378-9

Registration No. : 0245546001184

Registered Date : November 24, 2003

Founded : December 6, 2003

BOI Approval January 20, 2004

Received BOI Certificate

February 18, 2004

Paid in Capital : 145,000,000 THB (100% owned by Fuji Die Co.,Ltd.)

Employee : 65 Persons (As of Nov 1, 2013)

Company Policy : Contribute to the growth of Thai manufacturing industry offering FUJILLOY products with ;

1. Technological Renovations
2. Cost Efficiency
3. Immediate Delivery

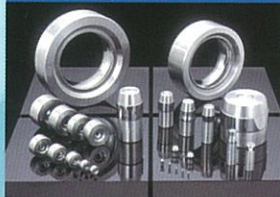


www.fujilloy.co.th



Key industries
(iron, steel, metal)

Drawing Die & Mandrel



Roll



CVD,PVD,DLC Coating Tools



Die & Punch for Manufacturing Cans



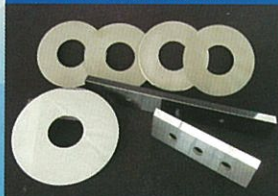
Powder Compacting Mold



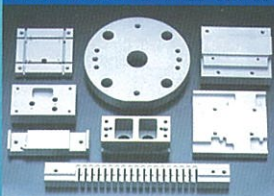
anvil,cylinder,piston



Precision Cutter



Preform Part of cemented carbide



Heat Resistance Alloy



Cold Forging Die & Punch



Steel Mold



FUJILLOY

Our brand is focused on the realization of all kinds of wear-resistant tools.

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



Electronics
industry

Self-Lubricating Composite



Electrodes of Copper-Tungsten Alloy for EDM



Diamond Wheel



FUJILLOY(THAILAND) 生産設備リスト

No	Machine Name	設備名	台数
1	Lathe	旋盤	4
2	NC-Lathe	NC旋盤	1
3	Cylindrical Grinding Machine	円筒研削盤	4
4	Internal Grinding Machine	内面研削盤	6
5	Flat Surface Grinding Machine	平面研削盤	3
6	Rotary Surface Grinding Machine	ロータリー研削盤	1
7	NC-Rotary Surface Grinding Machine	ロータリー研削盤	2
8	F-Grinding Machine	F式研削盤	2
9	Profiling Grinding Machine	倣い研削盤	2
10	NC-Profiling Grinding Machine	NC倣い研削盤	1
11	NC-Profiling Grinding Machine	NC倣い研削盤 円筒装置φ270×300L	1
12	Machining Center	マシニングセンター	1
13	NC-Electrical Discharge Machine	NC型彫放電加工機	1
14	Fine hole electrical discharge machine	NC細穴放電加工機	1
15	NC-Wire-cut Electrical Discharge Machine	NCワイヤーカット放電機	1
16	Fluid polishing machine	流体研磨機	1
17	2D(AUTO CAD)、3D-CAD/CAM	2D、3D-CAD/CAM	4
18	Cutting machine	切断機	1
19	Milling machine	フライス盤	1
20	Drilling machine	ボール盤	1
21	Pully Machine (Dieset (Rokuro))	ラッピング機 (ロクロ)	4
22	Pully Machine (Dieset (Rokuro))	ラッピング機 (10吋ロクロ)	1
23	Three dimensional measuring instruments(Cmm)	三次元測定機	1
24	Roundness/Cylindricity Measuring Insgtrument	真円度測定器	1
25	Profile Projector	投影機	1
26	Hardness Testing Machine	硬さ試験	1
27	Contour Measuring Instrument	形状測定器	3
28	Surface Roughness Measuring Instrument	形状測定器 (表面粗さ測定器)	1
29	Press 60 t	60tプレス	1
30	Press 500 t	油圧プレス 500tプレス	1

Product inspection without compromise

We respond to any rigorous demands from clients with our world-class equipment, including a surface roughness meter with a magnification of 2 million.



Measuring Instrument, Measuring Equipment and Gauge

- Form-tester (Form-tracer)
- Roundness Measuring Instrument
- Scale of Hardness
- Profile projector
- Gauges(Block gauges, Height gauges, Bore gauges Cylindrical gauges and Micrometers)
- Coordinate measuring machine.(CMM)

FUJILLOY™ Line Up

◎ is stock, ○ is available, △ is now testing.

Grade Type		Grade	HIP	For Pre- form	For Plate	Density	Hard- ness HRA	TRS MPa	Tensile Strength MPa	Compressive Strength MPa	K _{IC} ^{*1} MPam ^{1/2}	Young's Modulus of Elasticity GPa
Nano Grade	Suitable Grade for W-EDM Process (Corrosion Resistance) The first popularity	TFS06	●		◎	14.55	95.0	4200	2220	6880	4.9	575
Super & Ultra Fine Grade		TF05	●			14.60	95.1	1470	810	6660	3.3	610
		F08	●	○	◎	14.30	93.5	3920	2140	6280	5.2	560
		F09	●		◎	14.00	93.0	4410	2450	6080	6.5	540
		F10	●	○	◎	14.40	92.5	3820	2110	5880	5.4	560
		F20	●	○	◎	13.90	91.0	3480	1910	5390	6.5	520
Fine Grade		N05	●			14.95	93.5	2700	1480	5880	6.0	620
		N10	●	○	○	14.95	92.5	3240	1770	5690	5.1	620
Medium Grade		D10	●	○	○	15.20	92.0	2940	1620	5690	4.5	640
		D20		○	○	14.95	91.5	2890	1570	5400	6.7	620
		D40		○	◎	14.55	90.0	3290	1810	4900	8.9	560
		D50		○	○	14.35	89.0	3330	1810	4610	11	540
		D60		○	◎	14.05	88.0	3430	1860	4310	(15)	520
Medium Coarse Grade		G55		○	○	14.50	88.5	3140	1720	4610	12	560
		G65		○	○	14.05	86.5	3040	1670	3920	(18)	520
		G70		○	○	13.70	85.0	2940	1620	3530	(24)	490
		G85		○	○	13.35	84.0	3090	1720	3330	(33)	460
Coarse Grade		C50		○	○	14.85	88.5	2600	1420	4610	10	590
		C60		○	○	14.45	87.0	2840	1570	4210	(18)	550
		C70		○	○	14.00	85.5	2750	1520	3730	(22)	520
		TC79				13.60	84.0	2550	1470	3330	(25)	490
		C89				13.30	82.5	2550	1470	3140	(40)	470
		C95				13.00	81.5	2500	1370	2940	(52)	420
Super Coarse Grade for Rolls for Hot Rolling Mill		U61	●			14.40	85.5	2060	1130	3430	(19)	580
		TUC72	●			14.15	86.0	2500	1180	3530	(25)	560
		UC73	●			14.25	85.5	2450	1370	3430	(26)	560
		U77	●			14.00	83.0	2110	1180	2550	(30)	530
		U83	●			13.80	82.0	2260	1230	2260	(35)	510
		U89	●			13.40	80.5	2260	1230	1860	(55)	480
Nonmagnetic Nickel Binder Grade	Ultra Fine	MF10	●			14.25	92.5	3240	1770	4510	5.0	510
	Medium	M45	●	△		14.40	89.5	3240	1770	3330	7.6	500
		M70	●	○		13.80	88.0	3430	1860	2940	12	470
	Medium course	TMG85	●	○		13.45	83.5	2650	1570	3140	(42)	480
Suitable Grade for W-EDM Process (Improved Toughness and Corrosion Resistance)	Ultra Fine	VF12	●	○	○	14.45	91.5	3600	1960	5390	7.6	560
	Medium	VD15	●			14.90	92.0	3230	1720	5490	6.4	620
		VD45	▲	○	○	14.20	90.0	3530	2160	4900	9.7	540
	Mediun course	VG60	▲	○		13.85	88.0	3400	1860	4410	(18)	520
		VG86	●	○		13.25	85.0	2940	1670	3530	(28)	460
Special Grade	Medium	T15	●			7.05	91.0	2010	1080	3140	4.1	410
		BD20				12.50	91.5	1960	1080	4120	4.9	510
	Fine	UN45				13.70	90.0	3240	1770	4000	9.1	490
	Ultra Fine	JF03	●			15.40	(2400HV)	2000	800	4000	2.4	680
	Medium	J05	●			14.65	93.5	1320	740	3830	2.1	650

*1 Vickers indentation methode on Nihara's formula. $K_{IC} = 0.02576 \times a \times l^{-1/2} \times E^{2/5} \times \sigma \text{ mb}^{3/5}$ (MPa·m^{1/2})

a=Half length of Vickers indentation's diagonal line (m). l=length of crack (m). E=Young's model of elasticity (MPa) . $\sigma \text{ mb}$ =TRS (MPa)

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● FUJILLOY INDIA

FUJILLOY
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