

# Company Profile



*“Moldflow” will realize precision processing beyond the limit.*

*hakkai help your dreams,*

*With the original precision technology and infinity possibility*

**hakkai** inc.

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## Company Profile

Company Name	<b>hakkai inc.</b>
Head office & Factory	2845 Kokonoka-machi, Minamiuonuma-shi Niigata 949-7312 Japan TEL : +81-25-777-2410 FAX : +81-25-777-2881
Tokyo Office	No.901 Towa-Mita II 3-4-17 Mita Minato-Ku,Tokyo 108-0073 Japan Phone: +81-3-6400-5213
President	Akihiko Seki
Establishment	July 1, 1967
Capital	57,300,000 JPY
Sales	1,948,000,000 JPY (Year 2017)
Employee	190 persons (March -2018)
Group company	HAKKAI PRECISION (THAILAND) CO., LTD. HAKKAI PRECISION (SUZHOU)CO.,LTD EL SOL ELECTRONICS DEVICE PHILIPPINES INC. HAKKAI MEXICO S.A. de C.V.
Bank	The Hokuetsu Bank, Ltd. The Daishi Bank, Ltd. The Taiko Bank, Ltd. Sumitomo Mitsui Banking Corporation Japan Finance Corporation The Shoko Chukin Bank, Ltd.
Business	Precision Plastic mold Engineering Plastic Injection Molding Coil production and Assembly House tool making

### ISO9001・ISO14001・ISO/TS16949 Acquisition situation

	ISO 9001	ISO 14001	ISO/TS 16949
Head office & Factory (Japan)	March,2003 Certified	Feb.,2007 Certified	July, 2015 Certified
HAKKAI PRECISION (THAILAND)CO.,LTD	March,2007 Certified	March,2008 Certified	Feb.,2015 Certified
HAKKAI PRECISION (SUZHOU)CO.,LTD.	April,2014 Certified	April,2014 Certified	May,2016 Certified
EL SOL ELECTRONICS DEVICE PHILIPPINES INC.	Sep.2015 Certified	Sep.2015 Certified	
HAKKAI MEXICO S.A. de C.V.	-	-	Dec.,2017 Acquisition plan

## **President's Greeting**

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### **hakkai's Will**

We have a strong will that we contribute to the society through manufacturing technology and human resource at our hometown Uonuma surrounded by beautiful and rich nature of Mt. Hakkai.

“hakkai” provides a job opportunity and an opportunity for people to grow themselves. We believe that’s why we can create something that others can’t.

The company that keeps growing and changing for future, that is hakkai.



### **3C**

3 C taken from the first letter of “Challenge”, “Communication”, and “Creation” is the hakkai’s most essential motto.

We all know that our growth can not be achieved without “Creation”.

This “Creation” is produced by teamwork, which is generated by continuous “Challenge” and “Communication”

“hakkai” keeps growing with these three motto, 3C.

### **Globalization**

hakkai’s headquarter is "Born in Japan" corporation. We take our headquarter as the center of our global network.

Our “Made in Japan” technology is transferred from Japan to our oversea factories, Thailand, China, Mexico, and Philippine.

These five factories can make it possible to deliver a product to anywhere as our customer requests.

Cross-cultural experience through manufacturing in Thailand, China, Mexico, and Philippine helps human resource development.

Globalization is necessary for us not only as manufacturing location, but also as opportunity for human resource development.

### **Human Resource**

Business is people. Business never goes well without them.

In a same way, people never find jobs without job opportunity.

We create job opportunity. We create opportunity for people to glow themselves.

That is what we believe the most important responsibility to society.

“Made in hakkai” human resources contribute to society with 3C motto.

### **For People, For Society**

Our business is supported by many people, such as our clients, suppliers, local residents, partners, and employees.

“hakkai” always ask ourselves "What can we do for these people?".

Our mission begins with two questions, which are “Do we work for People?” and “Do we work for Society?”.

We know that we will never meet 100% satisfaction on these matter.

That's why we keep thinking what we should do for being a company that society requires always needs.

President    Akihiko Seki

## History of "hakkai inc"

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45 years of perfection and expansion in plastics manufacturing at a glimpse...

### **September, 1957**

Junji Seki established a plastic parts manufacturing company in Shinagawa-ku, Tokyo.

### **October, 1959**

The company started producing parts for communication devices.

### **April, 1963**

The company started Injection Molding and enter the field of Engineering Plastic.

### **July, 1967**

The company moved to Yamato-Machi and changed its name to "Hakkai Plastic Manufacturers".

### **March, 1971**

"Hakkai Plastic Manufacturers" became incorporated.



### **July, 1972**

The company entered a field of super precision electronic parts.

### **June, 1980**

"Hakkai Molding" was founded as a subsidiary of "Hakkai Plastic Manufacturers".

### **April, 1983**

A new plant was built for precision processes.

### **January, 1984**

"Hakkai Plastic Manufacturers" started designing of automated machinery for its own production.

### **April, 1984**

A new plant was built for "Hakkai Molding"

### **August, 1990**

A new plant was built for mold processing.

## History of "hakkai inc" ( continuation )

### **April, 1992**

"Hakkai Plastic Manufacturers" and "Hakkai Molding" merged together and formed "Hakkai Creates".

### **July, 1995**

The capacity of the plants both for precision manufacturing and mold making.

### **September, 1997**

"Hakkai Creates" Started cost management system and combined the production processes.

### **September, 1999**

A new plant was built for precision manufacturing.

### **August, 2001**

The third plant was built for precision manufacturing.

### **March, 2002**

A new office branch was opened in Tokyo.

### **March, 2002**

The production section of Hakkai Creates Co., Ltd span into a separate company. Atex Co., Ltd was founded.

### **March, 2003**

Certification of ISO 9001/2000 obtained. (International Standard of the Quality Management System)



### **July, 2004**

"HAKKAI PRECISION THAILAND" was founded.

### **November, 2005**

"Hakkai Creates" started the production information system. (The second generation of "the cost management system and combined the production processes")

### **February, 2007**

Certification of ISO 14001/2004 obtained. (International Standard of the Environmental Management System)

### **December, 2011**

"Hakkai Creates Co., Ltd" merged with "Atex Co., Ltd" and changed the company name to "hakkai inc."

### **July, 2015**

Certification of ISO/TS 16949 obtained. (Quality Management Systems for Automotive Industry)

### **May, 2016**

HAKKAI MEXICO S.A. de C.V. was founded.



## Products of “hakkai inc”

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### 1. Consumer electronics

Optical drive parts (DVD/Blu-ray Optical pickup unit)

Digital still camera and Digital video camera parts

Smartphone and Cell phone parts (Camera module, other parts)

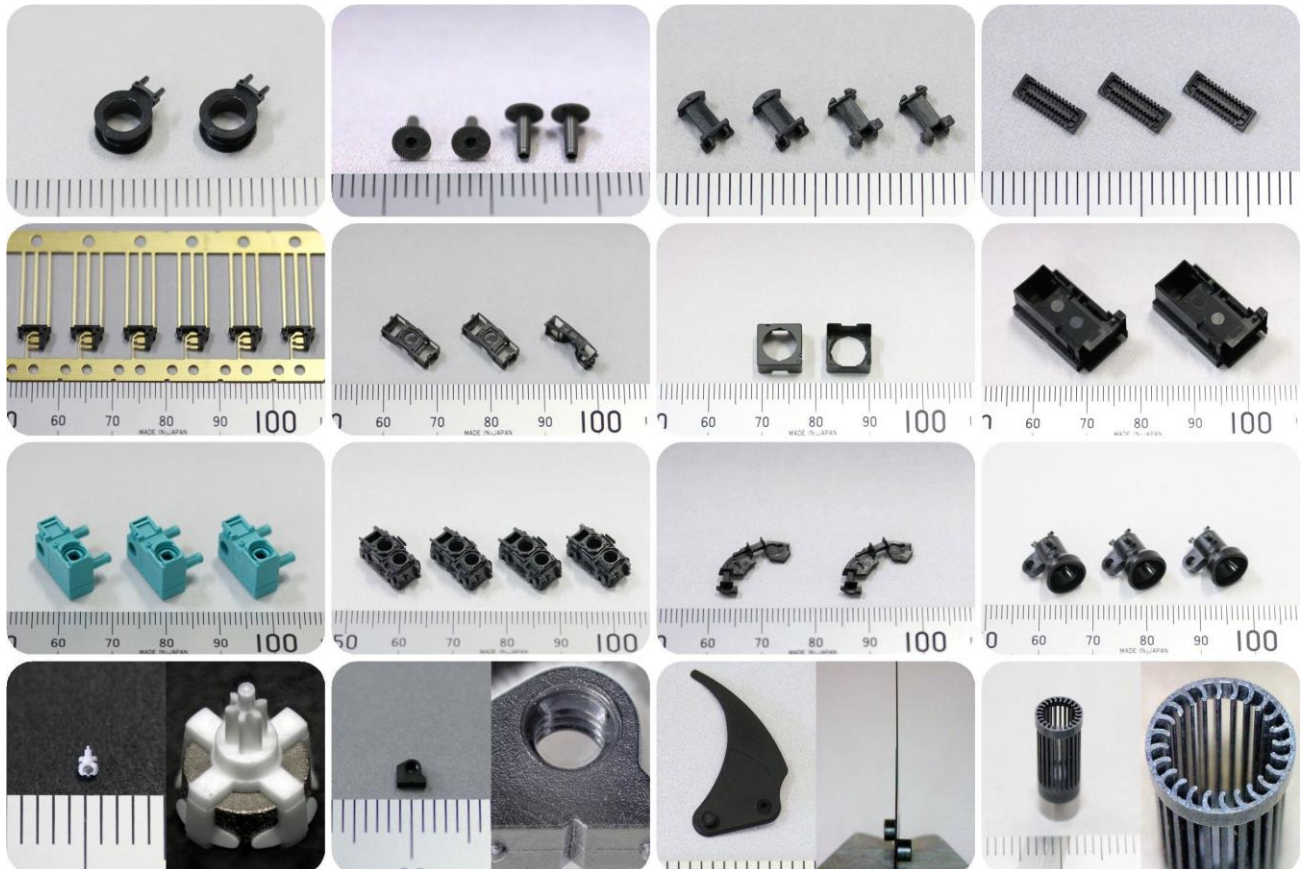
### 2. Electronics Parts and Device

Relay parts (Power relays, Signal relays, Automotive relays)

Snap action switch parts (Automotive application, Home appliances, Industrial machinery)

Connector Parts (Smartphone, Computer, Others)

### 3. Watch parts and Others



## Equipment (October.2017)

### Mold Processing

Category	Manufacturer	Model	Number
Wire EDM	Sodick	EXC100L	1
		AQ327L	1
		AP200L	1
		AP200	1
		SL400P	1
		SLN400G	1
Die Sinking EDM	Sodick	AP1L	2
		AQ35L	1
		AP-3R	2
Small Hole EDM	Sodick	K1C	1
		K1BL	1
		K3BL	1
Machining Center	Mori Seiki	NH4000DCG	1
	Nissei Urawa	UA-53	1
	Makino	MSA40	1
	FANUC	α-T21iDL	1
	Sodick	MC430L	1
		HS430L	1
Form Grinding Machine	Okamoto	UPZ420NC II	1
		PFG500DXSL	1
	Mitsui High-tec	MSG-205M	2
		MSG-250M	1
		MSG-200M	4
Surface Grinding Machine	Okamoto	PSG65EXB	1
		PSG-65DX	1
Surface Processing Device	IEPCO	PM750S	2
Micro Hite	TESA	micro-hite350	1



## Injection Machine

Category	Manufacturer	Model	Number		
Horizontal Injection Machine (total: 123 machines)	Sumitomo Heavy Industries (total: 5machines)	SE18DU	18t	1	
		SE18S	18t	2	
		SS30	30t	2	
	FANUC (total: 69machines)	α-15B	α-15B	15t	14
			α-15C		2
			α-15iA		5
			S-2000i 15A		10
			S-2000i 15B		5
			α-30iA		30t
		α-S30iA	2		
		S-2000i 30A	5		
		S-2000i 30B	1		
		S-2000i 50BP	50t	S-2000i 50BP	3
				S-2000i 50A	1
			α-S50iA	50t	19
			α-S100iA	100t	1
	Sodick (total: 44 machines)	LD10EH2	10t	10	
		TR18S3A	18t	10	
		TR20EH	20t	1	
		TR20EH2		1	
		LD20EH2		10	
		LD30EH2	30t	2	
		LP30EH2		7	
TR30EH2		1			
TR40S3A		40t	1		
LA60	60t	1			
NISSEI	NEX300	30t	2		
Toyo Machinery & Metal	Si-30V	30t	3		
Vertical Injection Machine (total: 12 machines)	Sumitomo Heavy Industries	V12/15V	15t	1	
		V26/15V		4	
		SV18	18t	1	
		SV18M		6	
Take out Robot	Yushin	VZ-30D		1	
		RA-30D		2	
		RB-30D		4	
		VN II EA100D		3	
		SA-70D		2	
		YC-30		29	
	HARMO	HAS II f-80S		2	
Star Automation	ix-500s		1		



## ***Mold Design***

Category	Manufacturer	Model	Number
CAD/CAM	PTC	Pro-E	5
	Kodama	Top-Solid	9
	Andor	CAMCORE Handy	1
	Techno-Solutions	SolidWorks	3
	Sodick	Dipro solid	3
	Vero Software	VISI	2
	Datadesign	SURFCAM	1
	Autodesk	AutoCAD LT 2016	1
	Andor	CADSUPER FX II	3
CAE	Autodesk	Autodesk Simulation Moldflow	1

## ***Measurement Machine***

Category	Manufacturer	Model	Number
Measuring Microscope	Nikon	MM-22(with DP)	3
		MM-60	2
		MM-40	1
		MESURE SCOPE 20	3
	Mitutoyo	MF-1020TH	1
Coordinate Measuring Machine	Mitutoyo	QV202-PRO	1
		QV606-PRO	1
Image Dimension Measuring System	KEYENCE	IM-7020	1
Non-contact Depth Measuring Microscope	UNION OPTICAL	HISOMET-II:DH2	1
Autocollimator	Pearl Optical Industry	AC-140FTV	1
Surface Texture and Contour Measuring Instruments	TOKYO SEIMITSU	SURFCOM NEX 100	1
Profile Projector	Nikon	V-20A	1

## ***Other Machinery***

Category	Manufacturer	Model	Number
Automatic Terminal Insertion Machine	Giken Auto Machine	TSG-120	4
	Sekigiken		1
	autosplice	BLF-100	1
Constant temperature & humidity incubator	ISUZU CAP		1
Production Control System	Fujitsu		1
Automated Warehouse	Murata Machinery	For Raw Materials	1

## Message

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The quality of a plastic fabrication product is greatly influenced by the quality of a metal metallic mold.

Then, we deal with and offer the metallic mold suitable for each customer's specification consistently from a design to manufacture with custom-made.

We consider just the metallic mold to be the most important element for producing the plastic products of high quality, and have stepped up unstinted efforts on the new technology for the top quality metallic mold design and manufacture since every day.

For example, full use of CAD/CAM technology is made about the design.

Efforts of our company which always investigates the top quality of a metallic mold are supported from a customer to the opinion and encouragement in everyday life.

As for the high quality of the metallic mold by a its company design, development, and manufacture, also in the point of a lead time, We always aims at an improvement from the first.

