Corporate Hi	storv
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Jun-1970	Founded Takemori Kenma
	Remodeled 10 m²storage as a molding/grinding factory for precision press molded parts
Feb-1973	Changed business field from press molded parts fabrication to precision plastic mold design and
Feb-1974	Constructed new factory with 103 m <sup>2</sup> floor space
Aug-1980	Changed company name to "Hokuto Seiko, Inc." to commemorate 10th anniversary of the company
Sept 198	Added new 2-story factory with 664 $\mbox{m}^{2}$ floor space
Nov-1985	Expanded factory to 109 m² for molding
	Added molding fabrication department
Jan-1989	Constructed Kamiyamada factory for molding fabrication
Nov-1990	Changed company name to "Hokuto Seiko Co. Ltd." as a joint stock company
Nov-1998	Acquired ISO 9001
Oct-2001	Acquired ISO 14001

Company	Overview 0
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Business Capital	Design and Manufacturing of various precision plastic molds Molding/Processing/Sales and related businesses 15 million yen		
Officer	President and CEO Senior Managing Ddirector Managing Director	Matsuo Takemori Katsuhiko Takemori Ryuichi Takemori	
Overall property	Main office 1,353 m <sup>2</sup> Kamiyamada Factory 2,092 m <sup>2</sup> (as of Jan 1989)		
Building area	Main office 823 m Kamiyamada Factory 847 m (as of Jan 1989)		
Employees	Office/34 Factory/26 Total 60 (as of Jul. 2016)		
Business Activities	Precision plastic mold design and manufacturing — Various mold fabrication clock and watch parts, electric lighting related appliances, optical instrumentation and various precision parts.		
anking relationship	Nagano Shinkin Bank Kamiyamada Branch		

## Facilities and Equipment

## Mold Facility

Machine name	Model	Manufacturer	Quantity
Production Control System	Kanagata-Kun	ShinnihonJyouhouSisutemu	4
3D · CAD · CAM	Pro/E	PTC	2
3D · CAD · CAM	CAM-TOOL	C&C SYSTEMS	1
3D · CAD · CAM	Space-E	NTT DATA ENGINEERING SYSTEMS	2
2D · CAD	Cadian	IT Frontier	4
2D · CAD	One Space Designer	CoCreate	1
flow analysis	Simulation Moldflow	AUTODESK	1
Vertical machining center	V55	Makino Milling Machines	1
Vertical machining center	V56	Makino Milling Machines	1
Vertical machining center	YBM640V3	Yasda MC	1
Vertical machining center	YBM640Vver3	Yasda MC	1
Wire cut EDM	MV1200R	Mistsubishi Electric	2
NC EDM	EDGE2S-A16MA	Makino Milling Machines	1
NC EDM	EDGE2S-A16MA	Makino Milling Machines	1
Plane grinder	PSG 63DX	Okamoto Seisakusho	1
Plane grinder	PFG-525	Okamoto Seisakusho	1
Plane grinder	MSG-20CM	Mitsui Kosakusho	1
Plane grinder	MSG-200HMD-ECO	Mitsui Kosakusho	1
Milling machine	KSJP-55 etc	Makino Milling Machines, Other	6
Lathe	STRUNGE50	Houwa Sangyo	1
Precision bench lathe	LD8-AB etc	Eguro Machinery	1
High powered milling machine	SP-V28	Sakazaki Machinery	1
Coordinate measuring machine	Crysta-ApexC	Mitsutoyo	1
Toolmaker's microscope	TF-1020F	Mitsutoyo	2
CNC image measurement machine	QS250Z	Mitsutoyo	1
Circular part measuring machine	ROUNDTEST-RA-300	Mitsutoyo	1
Cutting machine	VM420	AMADA	1
Small Hole EDM	RH3525	Mistsubishi Electric	1

## Molding Equipment

Model	Manufacturer	Injection capacity	Mold locking force	Quantity
NN30H4000	Niigata Machine Technology	1.4 OZ	30t	1
PS40E	Nissei	2 OZ	40t	1
PS40E	Nissei	$0.5~\mathrm{OZ}$	40t	1
ES400	Nissei	1.1 OZ	40t	1
PS60E	Nissei	3 OZ	60t	2
TR80S2	Sodick	0.9 OZ	80t	1
NEX110-18E	Nissei	7 OZ	110t	2
NEX180-36E	Nissei	10 OZ	180t	1
FN4000	Nissei	10 OZ	180t	1
MD180S-Ⅲ	Niigata Machine Technology	6 OZ	180t	1
MD180S- <b>W</b>	Niigata Machine Technology	5 OZ	180t	1
NEX30III	Nissei	1.2 <sup>OZ</sup>	30t	1
NEX50III	Nissei	$_{2}$ OZ	50t	1
PS60	Nissei	$2.5~\mathrm{OZ}$	60t	1
KM180C	Kawaguchi	10 OZ	180t	1
DC200-25A	Nissei	7 OZ	200t	1

