



**Sints Precision Technology
Co., Ltd**



Find Simple Solutions for Your Complexities

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Sints Precision Technology Co., Ltd

1 The History of 19 years

2 Capacity

Technology 6

Six Section Profile for Sints

3 Production Equipment

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Sints Precision Technology Co., Ltd



The Establishment

Sints was established in 1995, which is a leading manufacturer of precision metal parts, using **Metal Injection Molding** and **Powder Metallurgy** as the core technologies. With headquartered in Shenzhen, China, SintS has achieved a leadership position in the field of precision parts, providing excellent custom fabrication service to customers in more than thirty countries in the Americas, Europe and Asia.



Sints Precision Technology Co., Ltd

Company Scale

Sints has a 10, 000 sq meters factory in Zhongshan, with annual production capacity of over 600 tons. In 2007, Sints has established another company- Shenzhen Sints Precision Technology Co. , Ltd. , located in Longhua District, Shenzhen city, which is focusing on product research and marketing.

Equipment advantages:

Mixing machine, Injection molding machines, Degreasing furnaces, Vacuum sintering furnace; Automatic pressing machine, Repressing machine, CNC machining equipment, finishing machining machine, polishing machine, Automatic oil punching machine and so on.

Testing equipment:

Projector, Salt spray test machine, Partial pendulum instrument, electronic balance, electronic gravity apparatus, universal tester, Rockwell hardness tester, Density tester, gauge block, dial indicator, micrometer, Vernier.

Team strength:

Sints has over 260 staff, include 28 technical staff, 30 Quality staff, 5 senior engineers, and 3 senior technical advisers. With powerful technologies and development, we are serving various industries at a pace of producing a number of new items every day.



Sints Precision Technology Co., Ltd

Company History



1995 ● Rong Li Powder Metallurgy Factory established.

1997 ● Recognized into Xin Tai Powder Metallurgy Product Factory

2000 ● Passed ISO9001 quality management system

2005 ● Established MIM production workshop

2006 ● Established Shenzhen Sints Precision Technology Co., Ltd

2007 ● Passed IECQ QC080000 Environmental system

2007 ● Import ISO/TS16949 system

2008 ● Passed ISO/TS16949 system

2009 ● Zhongshan Sints Powder Metallurgy Co., . Ltd established



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MAIN EQUIPMENT

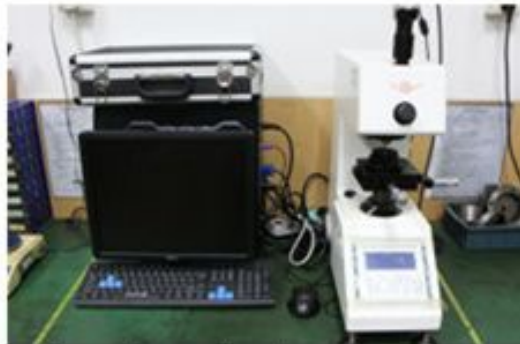


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INSPECTION MACHINE



coordinate measuring machine



hardness tester



universal testing machine



metallographic cutter



profilometer



density tester



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Main Device for PM

Device name	Tonnage	Amount	Remark
Full-automatic punching machine	315T	1	
	200T	2	
	140T	1	
	100T	1	
	60T	3	
	50T	1	
	20T	2	
	16T	1	
	6T	7	
	3.5T	1	
	1T	1	



Device name	Tonnage	Amount	Remark
Full-automatic punching machine	800T	1	
	630T	1	
	600T	2	
	100T	4	
Other moulding equipments	63-500T	22	
Meshbeltfurnace		7	
Vacuum furnace		6	
Shaping machine		9	
Follow-up processing machine		56	



Main Device for MIM

Device name	Tonnage	Amount
Dosing machine		3
Rubber fining mixer		2
Injection moulding machine	80T-200T	11
Degreasing furnace		6
Vacuum sintering furnace		8



Measuring equipments list

Equipment	Spec and models	Amount(pcs)
Micrometer	0~175mm	85
Vernier caliper	0~150mm	110
Partial place meter	300mm	3
Electronic balance	0-300g	8
Salt Spraying Tester	YWXIQ-150	1
Electronic Gravity apparatus	0-200g	1
Universal Tester	CMT6504	1
Brinell Sclerometer	HBRV-187.5	2
Flaw detector		1
Dial Indicator	0~10mm	20
Oil length testor		1
Height gauge		2
Projector		1



Sints Precision Technology Co., Ltd

Certifications

Certificate of Registration



This is to certify that the
Quality Management System of:

Zhongshan Sints Powder Metallurgy Co., Ltd.

**Fusha Industrial Area, Fusha Town,
Zhongshan, Guangdong Province, P.R.China**

has been assessed and found compliant with the requirements of:

ISO 9001: 2008

Approval is hereby granted for registration on the proviso that the
certification rules and conditions are observed at all times.
This certification has been accredited by a member of International
Accreditation Forum MLA for Quality Management System.
The certificate is not valid until the annual hologram is presented.

Certification Scope:
Production and Sales of Powder Metallurgy Products (Iron-based, Copper-based and
Stainless Steel-based)

Certificate No.: 110706021

Issue Date: September 16, 2010


Expiry Date: September 15, 2013


Authorized Signature


Moody International Certification Ltd.
www.moodyint.com

The use of the Accreditation Mark indicates accreditation in respect of those activities covered by the Accreditation Certificate 014.
The certificate remains the property of Moody International Certification Limited to whom it must be returned on request.

Certificate of Registration



This is to certify that the quality management system of

Zhongshan Sints Powder Metallurgy Co., Ltd.

**Fusha Industrial Garden, Fusha Town, Zhongshan City,
Guangdong Province, P. R. China**

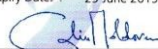
has been assessed and registered by Intertek as conforming to the requirements of

ISO/TS 16949:2009

Including the Following Support Functions:
None


Including the Following Site Extensions:
None

IATF Certificate Number: 0142173
Certificate Number: M-2012-0140
Initial Certification Date: 20 May 2008
Certificate Issue Date: 30 June 2012
Certificate Expiry Date: 29 June 2015


Colin Muldoon, President
Intertek - 4700 Brimmoor, Suite 200, Kentwood MI 49512 USA

In the issuance of this Certificate, Intertek assumes no liability to any party other than to the Client, and then only in accordance with the
agreed upon Certification Agreement. This certificate's validity is subject to the organization maintaining their system in accordance with
Intertek's requirements for system certification. Validity may be confirmed via email at certificate.validation@intertek.com or by
scanning the code to the right with a smartphone.

The certificate remains the property of Intertek, to whom it must be returned upon request. CT-SO/TS 16949:2009-eng-04 jpn.12
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 **IEC QUALITY ASSESSMENT SYSTEM (IECQ)**
covering Electronic Components,
Assemblies, Related Materials and Processes
For rules and details of the IECQ visit www.iecq.org

IECQ Certificate of Conformity
Hazardous Substance Process Management

IECQ Certificate No.: IECQ-H MOODY 09.0013	Issue No.: 2	Status: Current
Supersedes: IECQ-H MOODY 09.0013 Issue 1	Issue Date: 2012/06/11	Org Issue: 2009/07/24
CB Certificate Number: 05380905002	Expiration: 2015/06/10	

Applicable to:
European Directive 2002/95/EC ("RoHS") requirements
European Directive 94/62/EC ("Packaging") requirements


Zhongshan Sints Powder Metallurgy Co., Ltd
Fusha Industrial Park, Fusha Town, Zhongshan, Guangdong Province
China


The organization has developed and implemented Hazardous Substance Process Management procedures and
related processes which have been assessed and found to comply with the applicable requirements for IECQ
HSPM organization approval which is in accordance with the Basic Rules IECQ 01 and Rules of Procedure
IECQ 03-5 "IECQ Hazardous Substances Process Management" of the IEC Quality Assessment System for
Electronic Components (IECQ), and with respect to the IECQ Specification:


- IECQ QC 080000:2012 - Hazardous Substance Process Management System Requirements

This Certificate is applicable to all electronic components, assemblies, related materials and
processes for the following scope of activities:

**Manufacture of Mould Pressed and Mould Injected, Iron Based, Copper Based and Stainless Steel Based Powder
Metallurgy Parts for Electrical Products.**

Certificate Issued by the Certification Body (CB):  **MOODY INTERNATIONAL**

Certification Body Sponsoring NAI:  **BEC**

MOODY International
Authorized person: 
Eric Liu

British Electrotechnical Committee (BEC)
Stanier Way Derby DE21 6BF United Kingdom
Web Site: <http://www.moodyint.com>

UNITED KINGDOM

The validity of this certificate is maintained through on-going surveillance inspections.
Note: This Certificate of Conformity may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ.
This certificate and any schedule(s) may only be reproduced in full.
This certificate is not transferable and remains the property of the issuing body.
The Status and authenticity of this certificate may be verified by visiting the Official IECQ Website (www.iecq.org).
- Attached Translation - None - IECQ-H Rev. 06



Sints Precision Technology Co., Ltd

Quality Goals

Item	Rate (m)	Unit
1, Fulfillment Rate of Total Turnout	100%	Adjustment of Planning and Scheduling
2, Reject Ratio of Finished Products	$\leq 0.5\%$	Quality Control Department
3, Rate of Customer's Satisfaction	$\geq 98\%$	Business Department

Sints realises that the quality and the quality controlling is the key to make Sints survive from the critical competitions and move ahead. In Sints, everyone is a QC, and nobody has rights to cut cost for quality. No goods could be delivered without 100% inspection. Sints know that as long as it's broken, we will fail.



Sints Precision Technology Co., Ltd

Sints MAIN SERVICE



AUTO PART



CUSTOM GEAR



LOCK PARTS



OTHER CUSTOM PARTS

ASSA®

FOXCONN®

GREE 格力
好空调 · 格力造

Black Diamond®

美的 **Midea**

SmarterEE

HUAWEI

Audi

JAC

BYD

金点原子锁
用心创造安全

威力 WEILI



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Process comparison

Item compared	MIM	PM	Precision casting	CNC Machining	Stamping
Parts density	98%	86%	98%	100%	100%
Tensile strength	high	low	high	high	high
Surface smoothness	high	medium	medium	high	high
Miniaturization ability	high	medium	low	medium	high
Thin-wall ability	high	medium	medium	low	high
Complexity	high	low	medium	high	low
Designing tolerance level	high	medium	medium	medium	low
Production capacity	high	high	medium	medium—high	high
Range of materials	high	high	medium—high	high	medium
Supply ability	high	high	medium	low	high



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RFQs

- 1. What is MIM technology?
- MIM (Metal Injection Molding) is a manufacturing technology that combines the shape making complexity of Plastic Injection Molding with the material flexibility of Powder Metallurgy.
- 2. Why should I use MIM?
- MIM excels in producing small, highly complex parts that are difficult or cost prohibitive to produce with conventional technologies such as machining or casting.
- 3. What materials can be manufactured?
- Almost all kinds of metal alloy can be used in the MIM process. Typical alloys include high strength steels, stainless steels plus Ni and Co super alloys. Other materials processed include refractory metals, titanium and copper alloys. Low melting point alloys like brass, bronze, zinc and aluminum are possible but not usually economically viable by the MIM process. [Click here find the metal selection guide pdf.](#)
- 4. What is the lead-time required for MIM?
- Typical lead-time for tool building and sample submission is 3-5 weeks. However, shorter lead-times are possible depending upon the specific project requirements.
- 5. What kind of tolerances can MIM achieve?
- Typical MIM tolerances range from $\pm 0.3\%$ to 0.5% of the dimension. However, tolerances are highly dependent upon product geometry. Tolerances beyond what MIM is capable of are achieved by post machining operations. Indo-MIM will help you with this analysis and can provide a full range of in-house machining options to supply a product that meets your requirements.
- 6. Can MIM parts be heat treated or plated?
- Yes, MIM parts can be heat treated & plated as done on a conventional machined, cast or forged product. Sints maintains in-house heat-treating and plating facilities to supply fully finished components.



Once again, welcome to Sints, where we're sure, you'll discover simple solutions to manufacture complexities. Thank you!



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