

# World Precision Group

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*Since 2003*

# World Precision Group

## Content

***Company Profile***

***Marketing & Sales***

***Capability Overview***

***Quality Assurance***

# *Company Profile*

- **Overview**
- **Location**
- **Headquarters Pictures**
- **Organization Structure**
- **Factories Areas & Employees**

# World Precision Group

## Overview

**World Precision Group is dedicated to produce and deliver high-quality precision parts, fixtures, test instruments and automation system to our world-wide customers in multiple industries, including Automation, Medical, Automotive, Aerospace, Consumer Electronics, Oil and Petroleum, etc.**

**We have been growing together with our customers by providing them subcontract machining work and OEM assembly service since 2003.**

**And we serve our customers with our highly skilled and motivated employees that are treated with respect and are dedicated to the success of our customers.**

# World Precision Group

## Location



- 2003 World Precision established in Hong Kong
- 2003 First Factory, Dongguan
- 2007 Second Factory, Wuxi
- 2012 Third Factory, Shanghai
- 2014 The 40,000sqm Headquarters, Dongguan

- ▶ Dongguan Headquarters
- Hong Kong Office
- Shanghai Office
- Cupertino, San Francisco, CA 95014, USA
- Wuxi Factory
- Shanghai Factory
- Shenzhen Factory

# World Precision Group

Headquarters

## The Headquarters



# World Precision Group

Headquarters

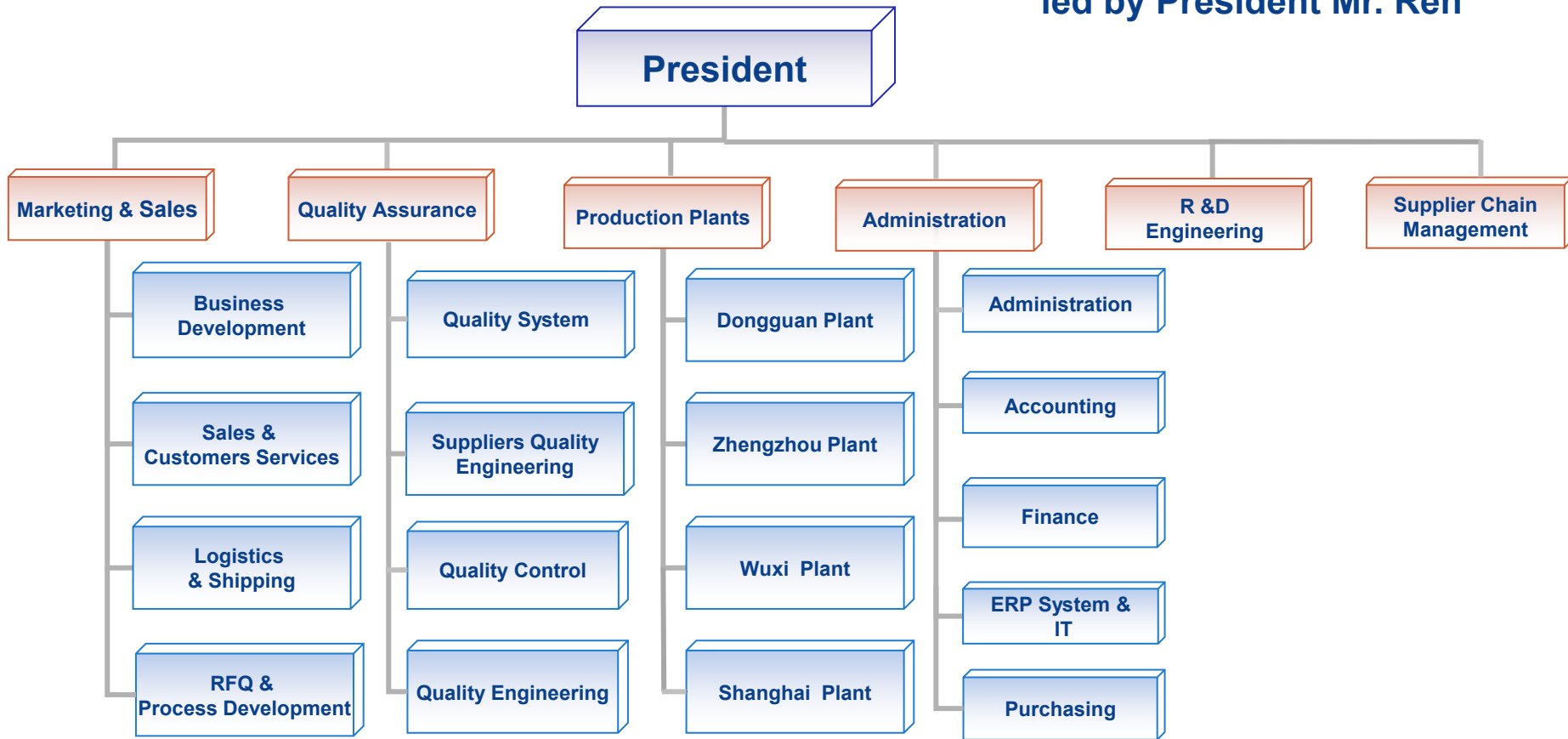
Headquarters



# World Precision Group

## Organization

➤ Flat Organization Structure, led by President Mr. Ren





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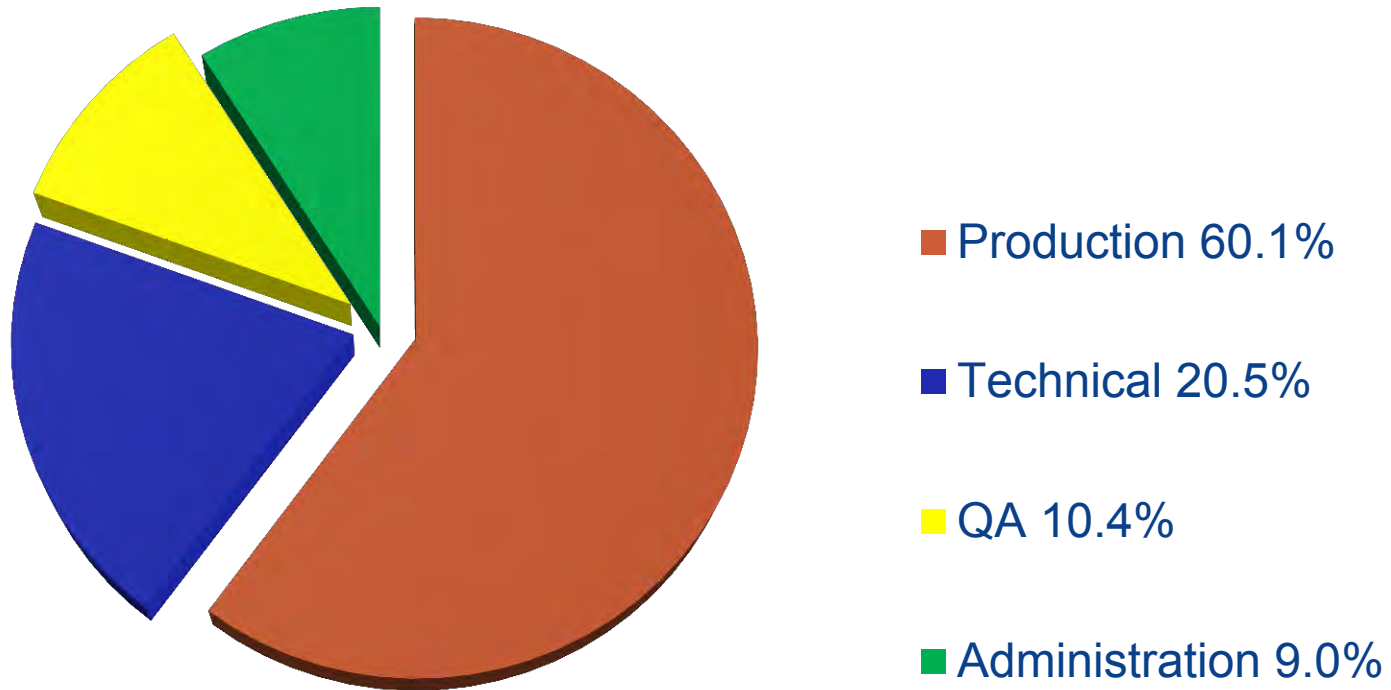
## Factories Areas & Employees

<b>Plants</b>	<b>Dongguan</b>	<b>Wuxi</b>	<b>Shanghai</b>	<b>Total</b>
<b>Total Area (Sqm)</b>	<b>40000</b>	<b>2700</b>	<b>1500</b>	<b>44200</b>
<b>Total Employees</b>	<b>1020</b>	<b>76</b>	<b>43</b>	<b>1139</b>

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## Factories Areas & Employees

### Employees



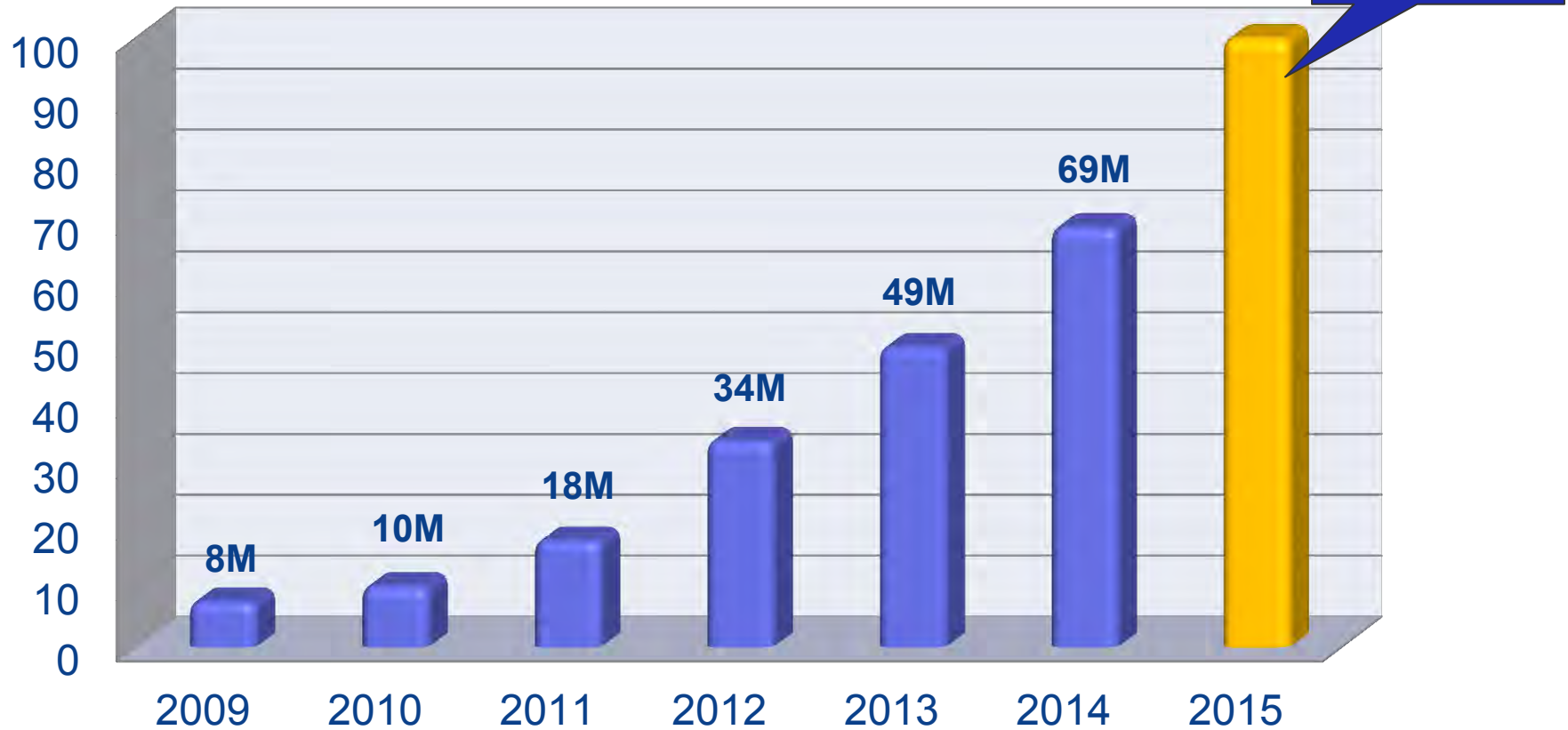
# *Marketing & Sales*

- Sales Turnover
- Main Products (2014)
- Customers Spread (2014)
- Major Customers

# World Precision Group

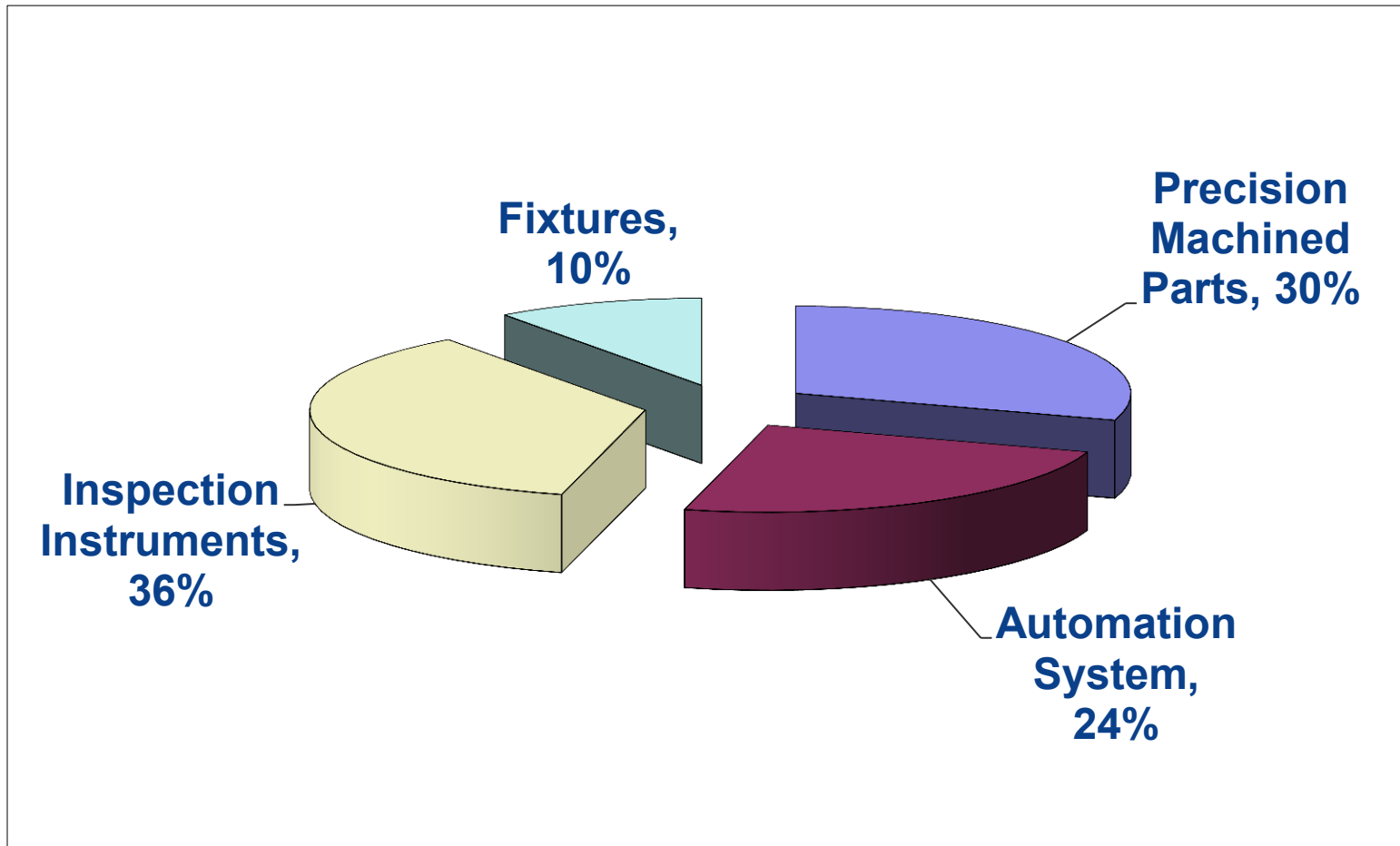
## Sales Turnover

US\$ (Million)



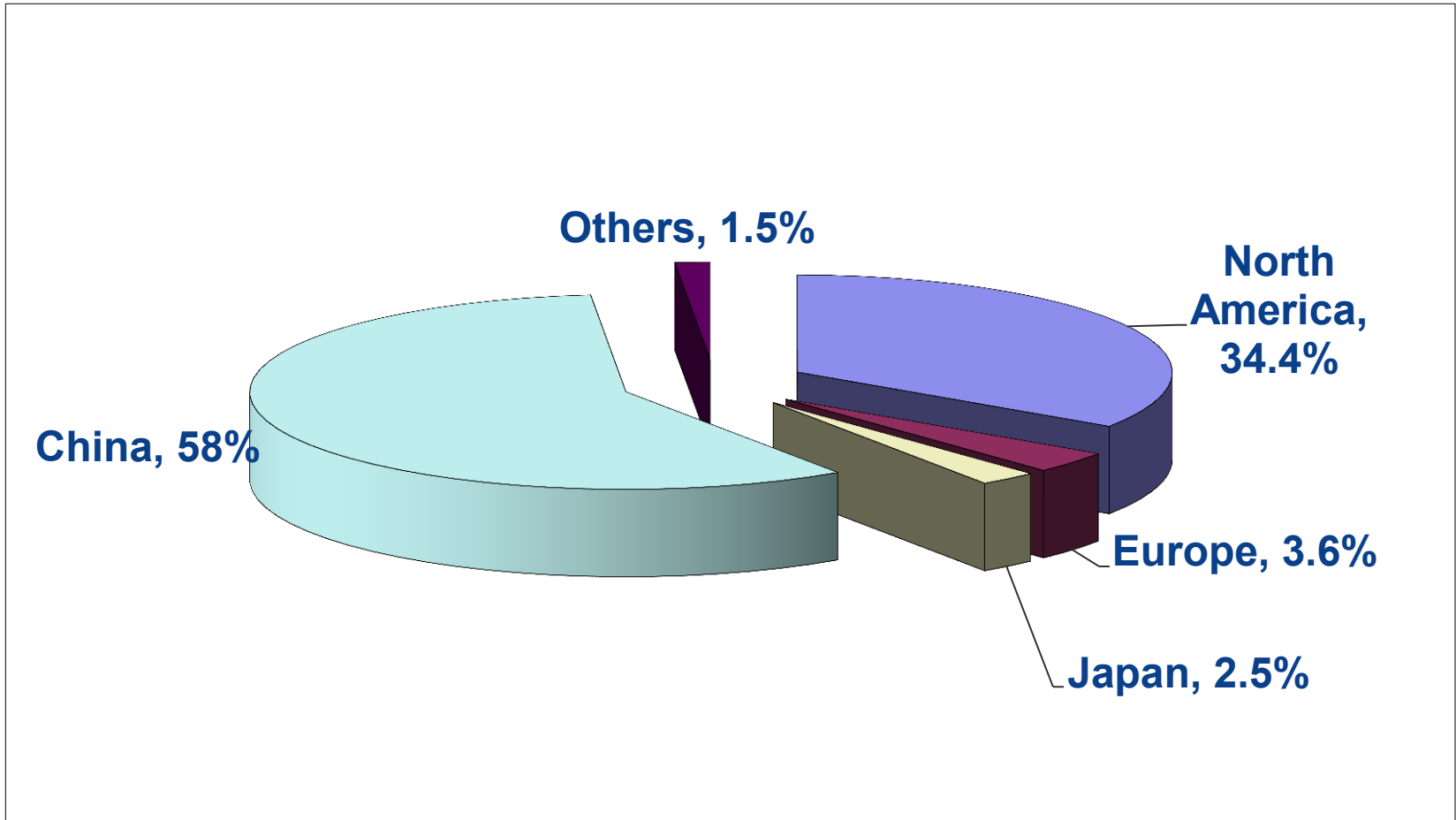
# World Precision Group

## Main Products (2014)



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## Customers Spread (2014)



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## Major Customers

- ***Automotive Industry*** ✓
- ***Automation Industry*** ✓
- ***Aerospace & Defense Industry*** ✓
- ***Consumer Electronics Industry*** ✓
- ***Semiconductor & Medical Industry*** ✓
- ***Oil and Petroleum Industry*** ✓
- ***Optoelectronics and more...*** ✓

# World Precision Group

## Major Customers



We make it visible.





# *Capability Overview*

- **Products Lists**
- **CNC Workshops and Machines**
- **Sheet Metal Workshop**
- **Sub-assembly lines**
- **Machined and Assembled Samples**
- **ERP System & BARCODE**
- **Equipment List**
- **Supplier Chain Management**

# World Precision Group

## CNC Workshops



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## CNC Machines

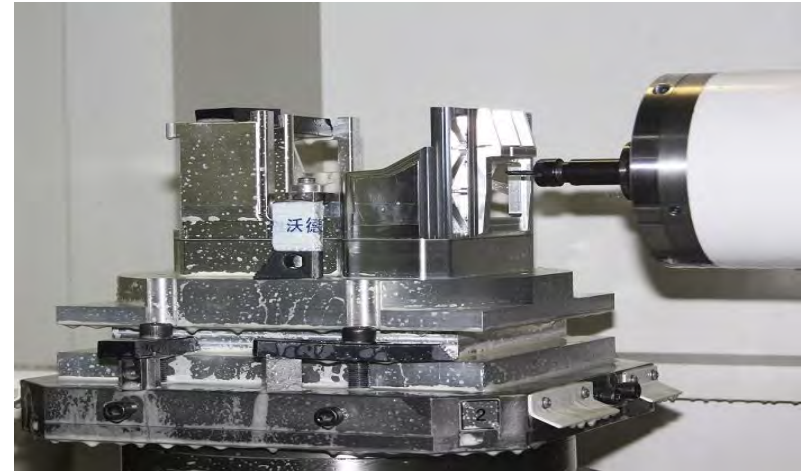
### DMG 5-Axis CNC Machines



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## CNC Machines

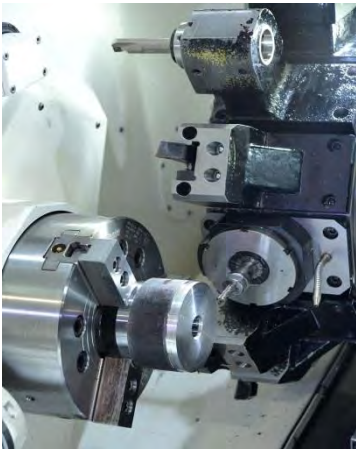
## Horizontal CNC Machines



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## CNC Machines

### Turn/Mill Integrated CNC Machines



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## Precision Wirecut & Tool Setup



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## Programing System



### Authorized Cad/Cam Software used:

Siemens NX8.0; Pro/E wildfire 5.0; SolidWorks 2013

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## Sheet Metal Equipment

## Sheet Metal Workshop





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## Sub-assembly Lines

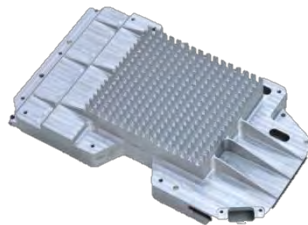
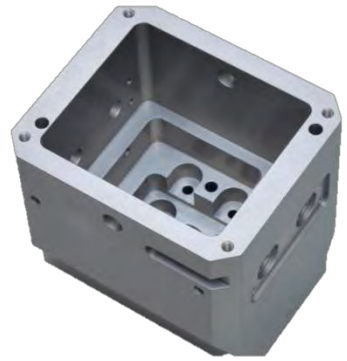
## Sub-assembly Lines



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## Machined Parts

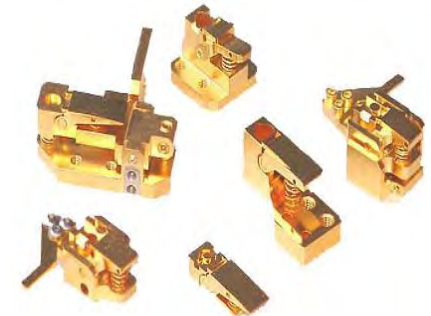
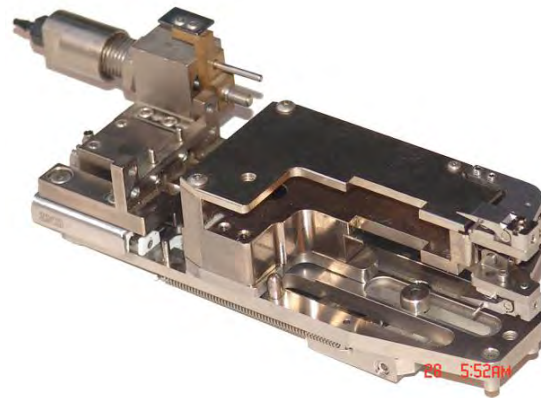
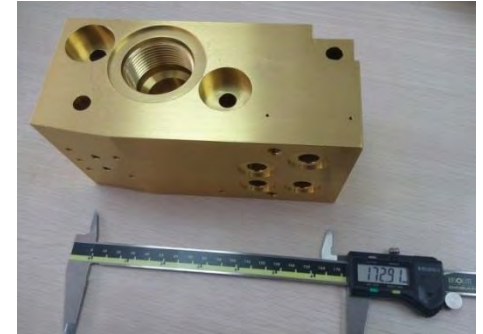
### Medical industry:



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## Machined Parts

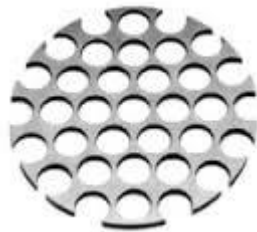
### Automation industry and sub-assemblies



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## Sheet Metal Parts

Sheet metal:



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## Welded Metal Parts

Welding fabrication:



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## ERP System & Barcode

**Our ERP system records the whole process of production automatically. Tracking is done at every step by **BARCODE** scanning**

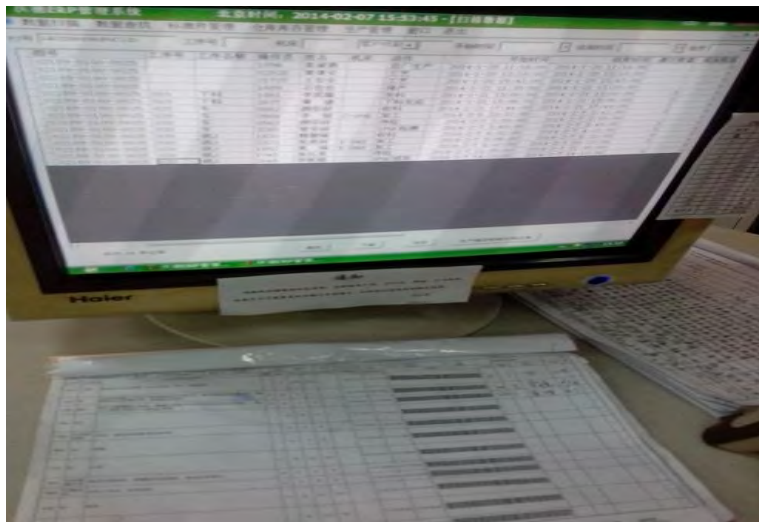
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## ERP System & Barcode

料号	品名	规格	单位	数量	开始日期	结束日期	备注
503876	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
504227	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505155	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505277	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505477	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505556	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505984	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505985	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505986	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505987	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505988	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505989	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505990	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505991	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505992	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505993	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505994	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505995	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505996	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505997	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505998	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
505999	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機
506000	1.27706020P0C134	Φ1.27	Press Fixture	Phomai1	1R-20	1099	新到機



- Material and drawings information
- PMC plan
- Process data
- PO information
- QA inspection information
- Customer complain traceability



# World Precision Group

## Equipment List (Dongguan)

S/N	Name	Brand	Origin	Precision	QTY
				<b>Total</b>	<b>249</b>
1	CNC Machining Centers (5 axis)	DMG	Germany	0.005mm	3
2	CNC Horizontal Machine Center	LG Mazak	Japan	0.002mm	2
3	CNC Lathe/Mill Machine Center	LG Mazak	Japan	0.002mm	2
4	CNC Machining Centers (3 axis)	Haas	USA	0.005mm	1
		Chang ZHUN	Taiwan	0.005mm	43
		Feeler	Taiwan	0.005mm	26
		DMG	Germany	0.005mm	2
		MAZAK	Japan	0.005mm	10
		HARDINGE	USA	0.005mm	41
5	CNC Lathes	Feeler	Taiwan	0.002mm	3
		MAZAK	Japan	0.002mm	4
		STS	China	0.01mm	14



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## Equipment List (Dongguan)

S/N	Name	Brand	Origin	Precision	QTY
6	Slow Feeding W/C	SODICK	Japan	0.002mm	5
7	High Speed W/C	SanGuan / GaoCheng	Taiwan	0.01mm	10
8	N/C Milling Machine	Joint	China	0.01mm	1
9	Milling Machines	GENTIGER	China	0.01mm	50
10	Lathes	Nan Fang	China	0.01mm	14
11	Big Grinding Machine	Jian De	Taiwan	0.003mm	3
12	Surface Grinders	Wang Pan / Yu Qing	China/Taiwan	0.002mm	15

### Sheet Metal Equipment

S/N	Name	Brand	Origin	Precision	QTY
1	Welding Machine	Rui Ling	China	N/A	6
2	Laser Marking Machine	Hans laser	China	N/A	2
3	Bending Machine	Amada	China	N/A	1
4	CNC Laser Cutting Machine	Bystronic	China	0.15mm	1

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## Equipment List (Wuxi)

				Total	30
S/N	Name	Brand	Origin	Precision	QTY
1	CNC Machining Centers	MAZAK	Japan	0.005mm	14
2		FEELER	Taiwan	0.005mm	1
3	CNC 4-Axis Machine	Hardinge	USA	0.005mm	2
4	CNC Lathes	FEELER	Taiwan	0.002mm	3
5		STS	China	0.005mm	2
6	Slow feeding W/C machine	SODICK	Japan	0.002mm	5
7	Surface Grinders	YUQING	Taiwan	0.002mm	2
8	Drillers	XIHU	China	0.02mm	1
9	Milling Machines	Joint	China	0.01mm	8
10	Lathes	NANFANG	China	0.01mm	2
11	Tapping Machine	XIHU	China	0.015mm	1
12	Material Cutting Machine	CHENLONG	China	N/A	1

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## Equipment List (Shanghai)

				<b>Total</b>	<b>12</b>
<b>S/N</b>	<b>Name</b>	<b>Brand</b>	<b>Origin</b>	<b>Precision</b>	<b>QTY</b>
<b>1</b>	<b>CNC Machining Centers</b>	<b>Changzhun</b>	<b>Taiwan</b>	<b>0.005mm</b>	<b>2</b>
<b>2</b>		<b>FEELER</b>	<b>Taiwan</b>	<b>0.005mm</b>	<b>2</b>
<b>3</b>	<b>Surface Grinders</b>	<b>YUQING</b>	<b>Taiwan</b>	<b>0.002mm</b>	<b>1</b>
<b>4</b>	<b>Milling Machines</b>	<b>Joint</b>	<b>China</b>	<b>0.01mm</b>	<b>4</b>
<b>5</b>	<b>Lathe</b>	<b>NANFANG</b>	<b>China</b>	<b>0.01mm</b>	<b>1</b>
<b>6</b>	<b>CMM</b>	<b>ZEISS</b>	<b>Germany</b>	<b>0.0018mm</b>	<b>1</b>
<b>7</b>	<b>Material Cutting Machine</b>	<b>CHENLONG</b>	<b>China</b>		<b>1</b>

# *Quality Assurance*

- **Quality Certificates**
- **AS 9000 Schedule**
- **Main Measurement Instruments**
- **Inspection Instruments List**

# World Precision Group

## ISO Certificates

### ISO 9001:2008

Certificate CN13/30617

The management system of

**World Precision Manufacturing (Dongguan) Co., Ltd.**  
**东莞市沃德精密机械有限公司**

Xiatang Industrial Park, Xinha Community, Wanjiang District, Dongguan City, Guangdong Province, 86769, 523061, P.R.China  
 中国广东省东莞市万江区新和社区下塘创业工业园

has been assessed and certified as meeting the requirements of

**ISO 9001:2008**

For the following activities

The Scope of registration appears on page 2 of this certificate

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2008 requirements may be obtained by consulting the organization.

This certificate is valid from 22 May 2013 until 22 May 2016 and remains valid subject to satisfactory surveillance audits. Re certification audit due before 8 May 2016 Issue 1. Certified since 22 May 2013

This is a multi-site certification  
 Additional site details are listed on the subsequent page

Authorised by




SGS United Kingdom Ltd Systems & Services Certification  
 Rosemore Business Park, Ellesmere Port, Cheshire, CH65 3 EN, UK  
 t +44 (0)151 350-6666 f +44 (0)151 350-6600 www.sgs.com

SGS 9001-4 01 1108  
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### ISO 13485:2012

Certificate CN13/30618

The management system of

**World Precision Manufacturing (Dongguan) Co., Ltd.**  
**东莞市沃德精密机械有限公司**

Xiatang Industrial Park, Xinha Community, Wanjiang District, Dongguan City, Guangdong Province, 86769, 523061, P.R.China  
 中国广东省东莞市万江区新和社区下塘创业工业园

has been assessed and certified as meeting the requirements of

**ISO 13485:2003**  
**EN ISO 13485:2012**

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# World Precision Group

## AS 9000 Schedule

- **AS 9000 (Aerospace industry) - To be achieved in December, 2015**



# World Precision Group

## Measurement Instruments

### Vision Measuring Machine



### 3D CMM ZEISS



### Height Gauge



### Precision Blocks



# World Precision Group

## Inspection Instruments List

S/N	Name	Brand	Origin	Precision	QTY
1	CMM	ZEISS	Germany	0.0018mm	4
2	Projector	MITUTOYO	Japan	0.003mm	1
3	Micro-scope	EASSON	Taiwan	0.003mm	4
4	Rockwell hardness Tester	YongFeng	China	N/A	1
5	Height Gauge	TRIMOS	Swiss	3+L(mm)/300um	15
		TESA	Swiss	2.5+4L(m)um	
6	Marble Platform	XINLEI	China	Grade 000	6
7	Roughness Tester	MITUTOYO	Japan	Ra0.05~Ra32	1
8	Film thickness tester	FISCHER	Germany	±1um	1
9	Vision system	T-King	China	±3um	11



# World Precision Group

## Inspection Instruments List

S/N	Name	Brand	Origin	Precision	QTY
10	Automatic vision system	Zhi Tai	China	3+L/200	1
11	Hardness tester	LAIZHOULAIHUA	China	N/A	3
12	Pull tester	AI GU	China	±0.2% F.S.	1
13	Rubber hardness tester	HAIBAO	China	0.02mm	2
14	Video microscopy	STILL	China	N/A	5
15	Surface resistance tester	TALOS	China	±10%	2
16	Marble terrace	XINLEI	China	0.007mm	19
17	Clock gauge	MITUTOYO	Japan	0.005mm	4
18	Caliper	MITUTOYO	Japan	0.02mm	272
19	Micrometer	MITUTOYO	Japan	0.001mm	57
20	Charpy tester	Kunlun	China	N/A	1

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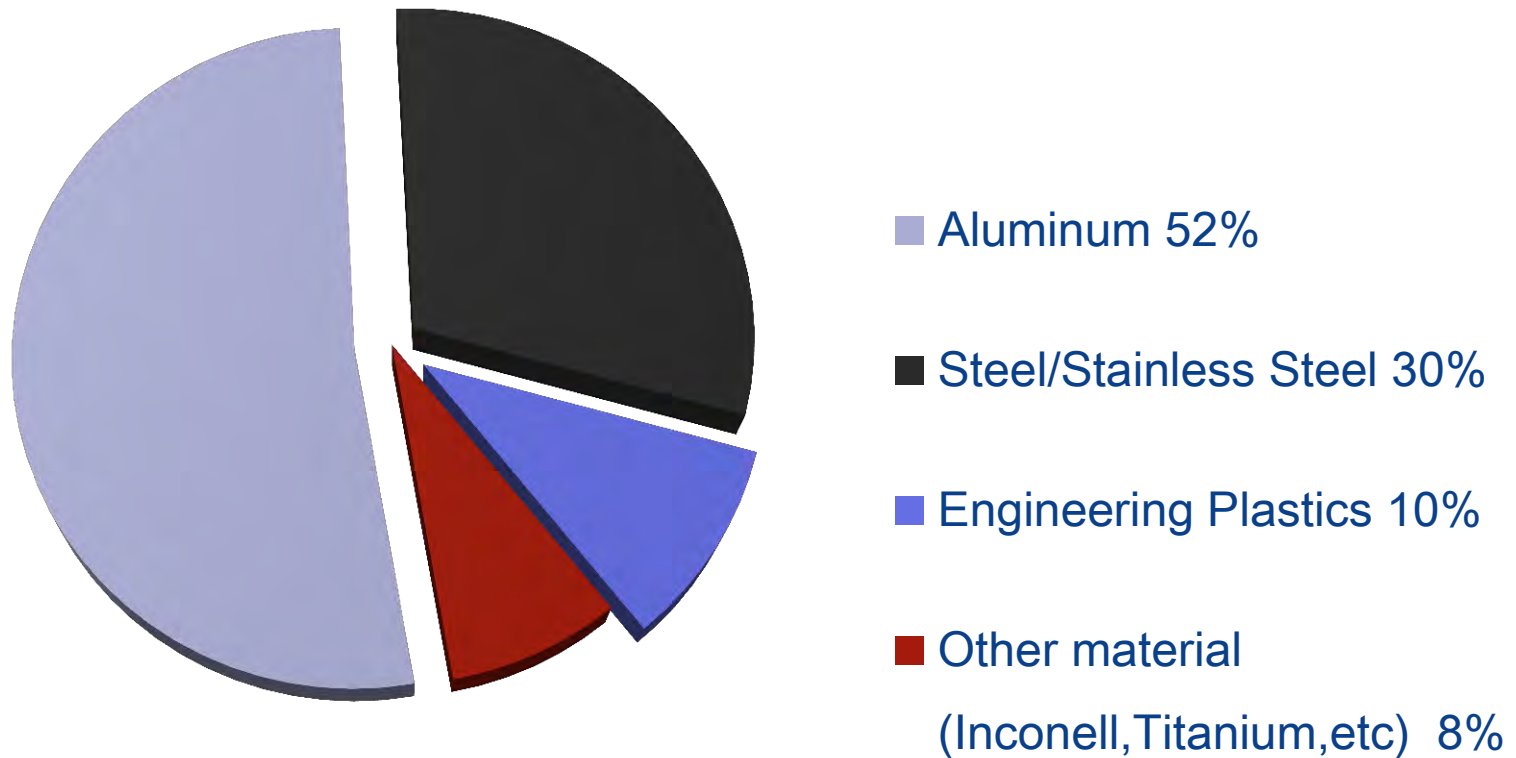
**Material Available**

- **Material Usage Overview**
- **Metal**
- **Engineering Plastics**

# World Precision Group

Material Available

## Material Usage Overview



# World Precision Group

## Material Available

	Metal Material	CHINA	USA	JAPAN	GERMANY
		GB	ASTM	JIS	DIN
1	Rolled steels for general structure	Q235A	A36	SS400	1.0040
2	Rolled steels for welded structure	Q235B	A283M Gr.D	SM400B	1.0042
4	Carbon steels for machine structural use	45	1045	S45C	1.0503
5	Manganese steels for machine structural use	40Mn	1039	S40C	1.1157
6	Chromium steels for machine structural use	40Cr	5140	SCr440	1.7035
7	Chromium Molybdenum steels for machine structural use	30CrMo	4130	SCr430	1.7220
8	Manganese chromium steels for machine structural use	20CrMn	5120	SMnC420	1.7147
9	Corrosion-resisting stainless steels	0Cr18Ni9	AISI 304	SUS304	1.4301
10	Nickel-chromium supper alloy	GH4169	Inconel718	-	Mo3

# World Precision Group

## Material Available

	Metal Material	CHINA	USA	JAPAN	GERMANY
		GB	ASTM	JIS	DIN
11	Alloy tool steel	Cr12Mo1V1	D2	-	1.2379
12	Corrosion-resisting stainless steels	0Cr19Ni10	AISI 304L	SUS304L	1.4306
13	Corrosion-resisting stainless steels	0Cr17Ni12Mo2	AISI 316	SUS316	1.4401
14	Corrosion-resisting stainless steels	0Cr17Ni14Mo2	AISI 316L	SUS316L	1.4435
15	Corrosion-resisting stainless steels	9Cr18	AISI 440C	SUS440C	1.4125
16	Aluminum and aluminum alloy sheets, plates and strips	6A02	6061	A6061P	3.3207
17	Aluminum and aluminum alloy rod, bars and wires	LD6061	6061	A6061BE	--
18	Aluminum and aluminum alloy rod, bars and wires	2A12	2024	A2024BE	3.1355
19	Aluminum and aluminum alloy rod, bars and wires	7A04	7075	A7075BE	3.4365

# World Precision Group

## Material Available

	Metal Material	CHINA	USA	JAPAN	GERMANY
		GB	ASTM	JIS	DIN
20	Brass rods and bars	H70	C2600	C2600BE	2.0265
21	Brass sheets, plates and strips	H90	C22000	C2200P	2.0230
22	Copper and copper alloy rods and bars	HPb61-1	C36000	C3604BE	2.0401

# World Precision Group

## Material Available

Engineering Plastics Material		
S/N	Material Name	Chemical Name
1	Delrin	Acetal Resin
2	ESD225	Static dissipative PolyAcetal
3	ESD420	Static dissipative PolyEtherImide
4	ESD520	static dissipative reinforced PolyAmide-Imide
5	TEFLON	PTFE
6	NYLON	Polyamide
7	501CDR6	Static dissipative Monomer casting nylon
8	PEI	Ultem1000
9	Peek1000	Polyether ether ketone
10	Peek450	Polyether ether ketone
11	ACRYLIC	PAA

# World Precision Group

## Material Available

Engineering Plastics Material		
S/N	Material Name	Chemical Name
12	PC	Polycarbonate
13	PP	Polypropylene
14	BAKELITE	Phenolic resin
15	ZrO2	Ceramic



**The End**

**Thank you!**