

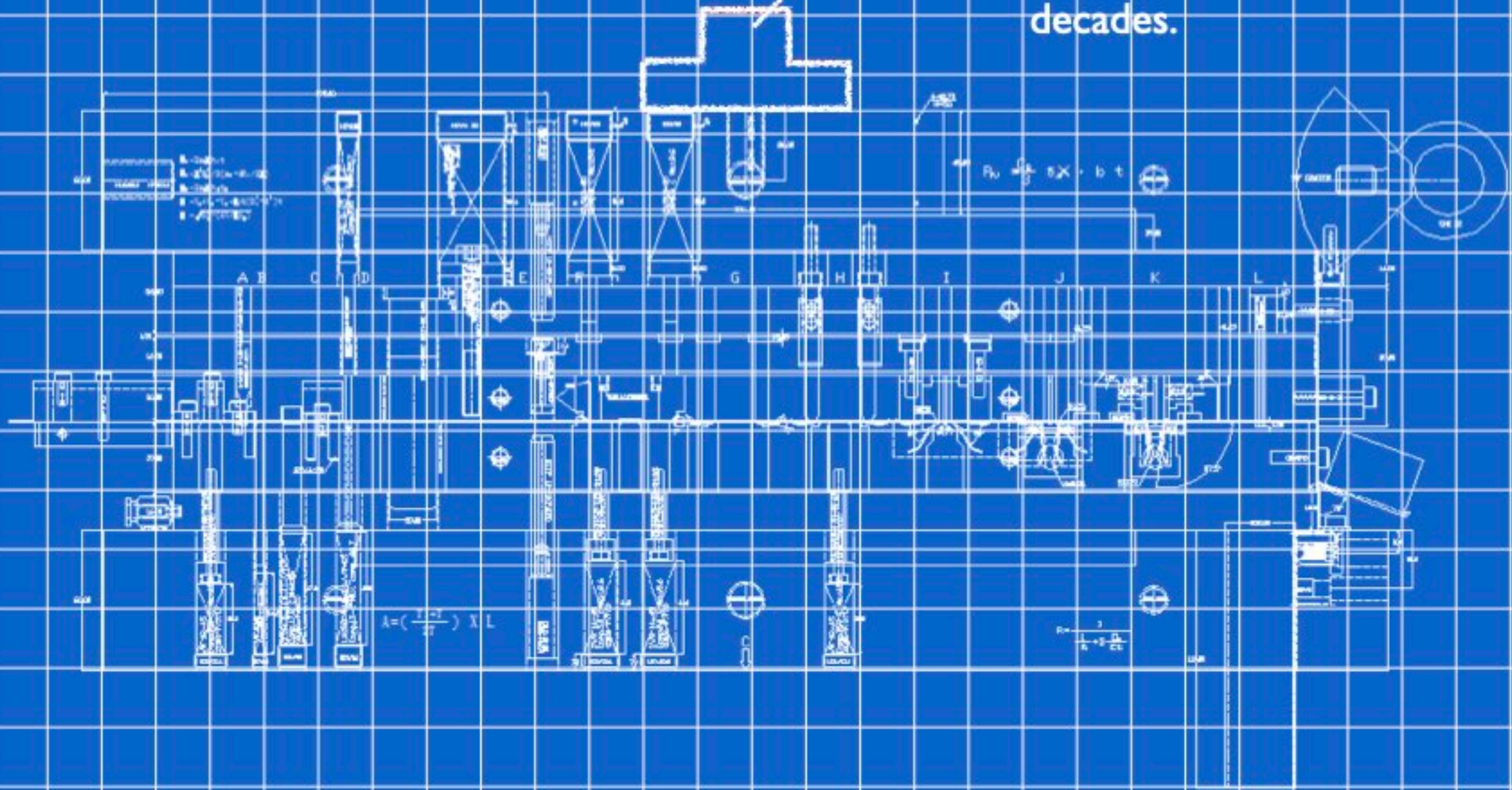


G-SHANK
Enterprise Co., Ltd.
G-SHANK Qingdao



SHANK

Just like a shank stabilizes the die in a stamping machine, G-Shank has been serving as the strongest support for our partners worldwide for more than four decades.



Who Are We? (TWSE: 2476)



Chairman: Yu-Huang Lin



Group's Capital: **\$67.9M** (USD)



Est. **1973** (Qingdao 11.19.2001)



2,519 (Worldwide)



Employees **124** (Qingdao)



CEO: Ying-Shou Lin


Director (China Area): Jia-Rong Zheng

Deputy Director (Qingdao): Chun Chang Li

Group Revenue Percentage

Parts  94%

Die  3%

Merchandise  2% (Transaction within the group)

Toolings  1%

THE LARGEST
COMPANY
DEDICATED TO
PRECISION
STAMPINGS IN ASIA



Where Are We?



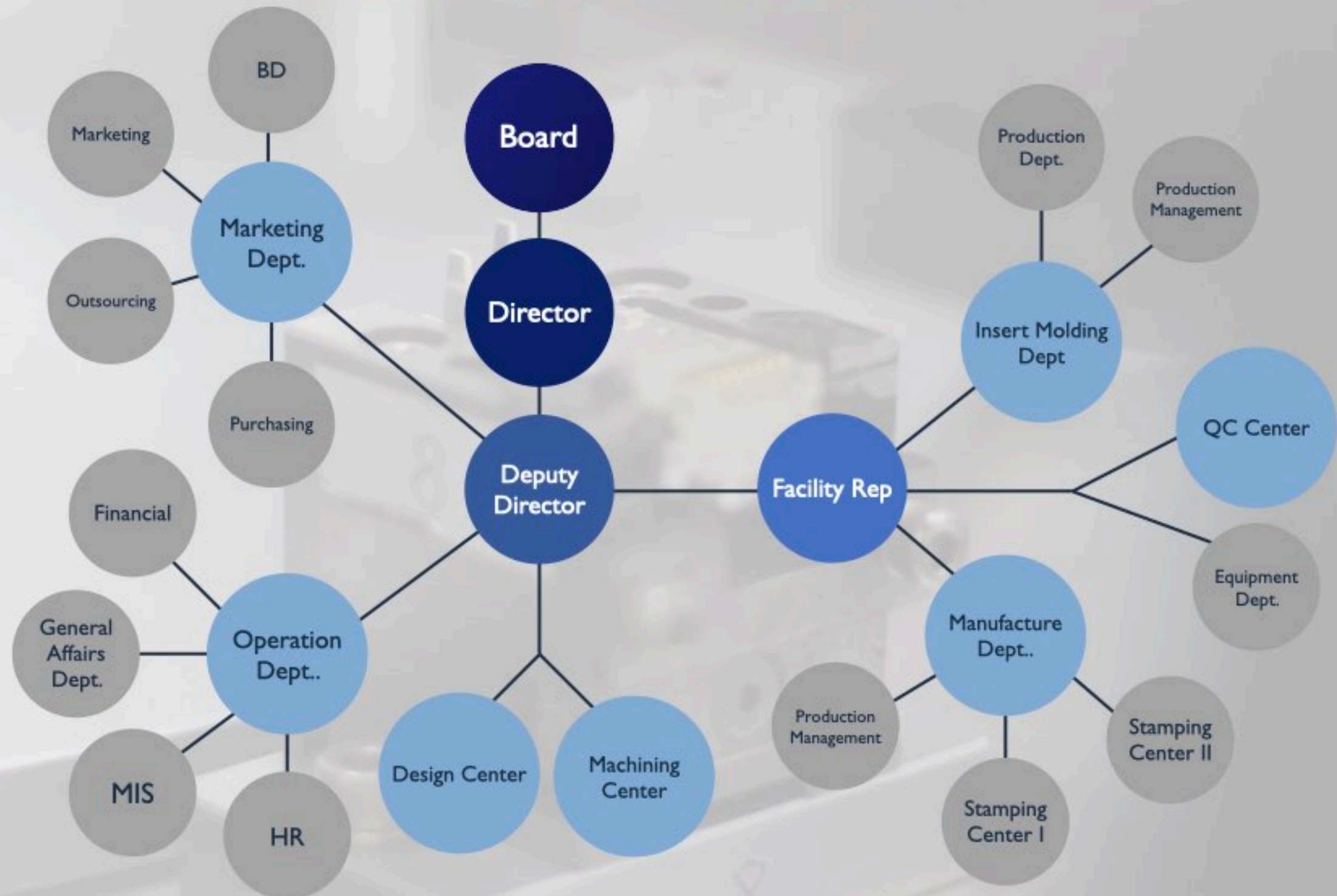
Headquarters & Qingdao G-SHANK

**World's
Headquarters**



**G-SHANK
Qingdao
Chengyang Dist**

More About Us



How Did We Start?

Stamping

1973 Founded
 1980 Est. Design Center
 1984 Est. 6S Policy
 1989 Est. Malaysia Branch
 1994 Est. Mexico & the USA branches
 1996 **ISO 9001 Certified**
 1996 Est. Shanghai Branch
 1998 Listed in Over-The-Counter
 (The First Company in Metal Stamping Industry in TW)
 1998 Est. Thailand & Taiwan Bade Branches



1973

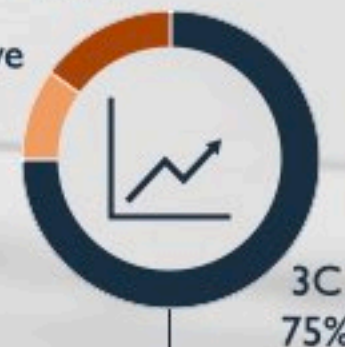
2000

2010

2021

Vertical Integration

2009 Electroplating Lines Est.
 2010 Est. Insert-Molding Dept.
 2012 Est. Japan Branch
 2012 Est. Wuhan Branch
 2012 Record High Die PO (209 sets/mo)
 2012 Stamping, Electroplating, Insert-Molding, Automatic Assembly Vertical Integration
 2018 Est. Automotive Market Div.



Global Growth

Industrial & Others 10%

Automotive 10%



2000 Est. Shanghai II Branch
 2001 Listed in TWSE (2476)
 2001 Est. Dongguan, Xiamen, Suzhou, Qingdao Branches
 2002 Est. Indonesia Branch
 2003 Est. Tianjin Branch
 2005 **ISO 14001 & ISO/TS 16949 Certified**
 2006 Est. Shenzhen I Branch
 2007 Est. Shenzhen II Branch

What Do We Do?

16% Automotive

- Regulators
- Transmission Coolers
- GPS/ USB/ Charger Connectors
- Airbag & Seat Belt Connectors
- Air Conditioning
- Fuses
- Button Adaptors
- TPMS
- Headlight Parts
- Anti-theft Systems

32% Industrial and Others

- Sensors
- Relays
- No Fuse Breakers/ Switches
- PLC
- Timers
- Blood Sugar Testers
- Scalpels
- Semiconductor Lead Frames
- Furniture Parts
- Electronic Cigarettes



11% Communications

- Mobile Phones
- ADSL
- Internet Related

17% PC/NB

- I/O
- Type C
- USB
- HDMI
- FPC/ FFC
- Memory Cards
- Board-to-board

24% Consumer Electronics

- Appliances
- Digital Cameras
- Gaming Parts
- Switches
- Video Recorders



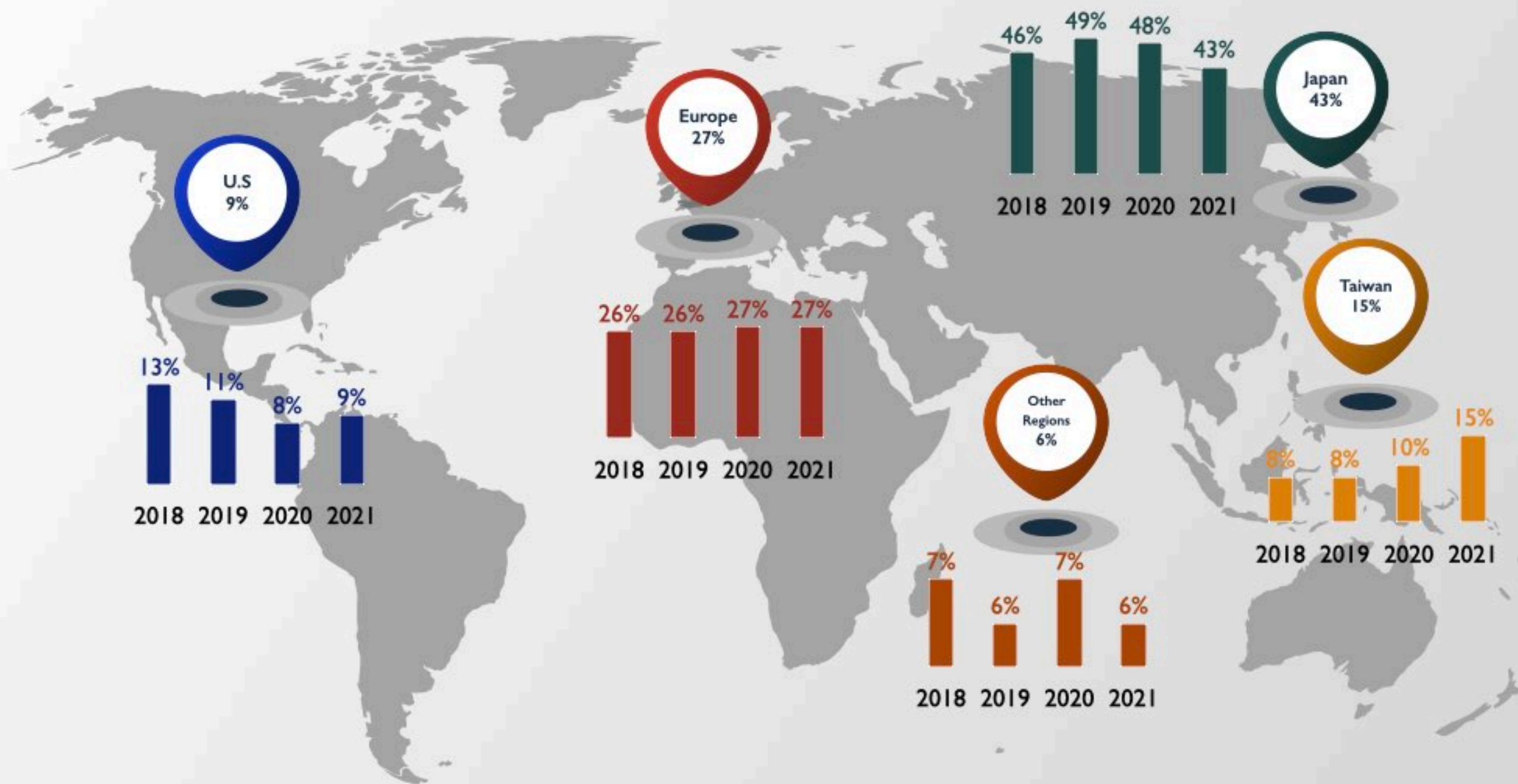
Group Fiscal Revenue



※Exchange Rate

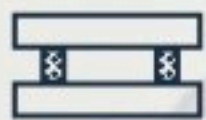
Total Sales by Region

(based on customer's region)



One Stop Solution

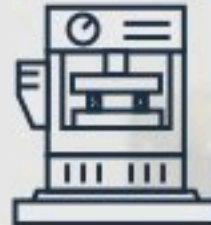
Die Design



x110 sets
(Monthly Capacity)

- 3D/CAD Design
- Design Database System

Stamping



x745
(10 - 400T)

- Servo Feeds
- AOI Machine Inspection

Insert-molding



x37
(35 - 110T)

- AOI Machine Inspection
- Vertical, Horizontal Insert-molding Machine

Machining



x543

- Vertical CNC Machine
- Jig Grinder
- Profile Grinder
- Wire E.D.M
- Grinder
- Lathe
- Milling Machine
- Sawing Machine
- E.D.M
- Drilling E.D.M
- Precision E.D.M
- Horizontal Profile Grinder

Electroplating



4 Machines
8 Lines(Hoop)

Au (Gold)

Sn (Tin)



Ni (Nickel)

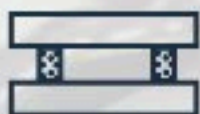
Automated Assembly



- R J 45 Connector
- D-SUB Connector
- Automatic Laser Welding Machine
- Automatic Silver Brazing Assembly
- Automotive Safety Device Assembly

Qingdao Capabilities

Tool & Die Design



10 set(Monthly)

- 3D/CAD Design
- Design Database System

Stamping



46
(20-200T)

- Servo Feeds
- AOI Machine Inspection

Machining



45

- Vertical CNC Machine
- Jig Grinder
- Profile Grinder
- Wire E.D.M
- Grinder
- Lathe
- Milling Machine
- Sawing Machine
- E.D.M
- Drilling E.D.M
- Precision E.D.M
- Horizontal Profile Grinder

Insert-molding



5
(50T)

- AOI Machine Inspection
- Vertical, Horizontal Insert-molding Machine



EDM



Insert-Molding



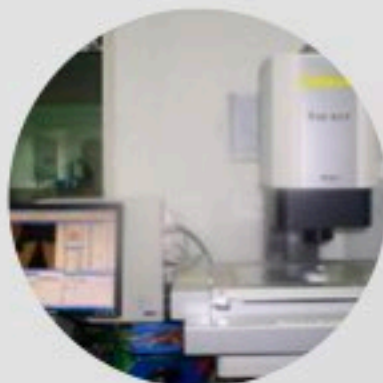
Insert-Molding



RoHS XRF Analyzer



Reflow Tester



CMM



Press Machines



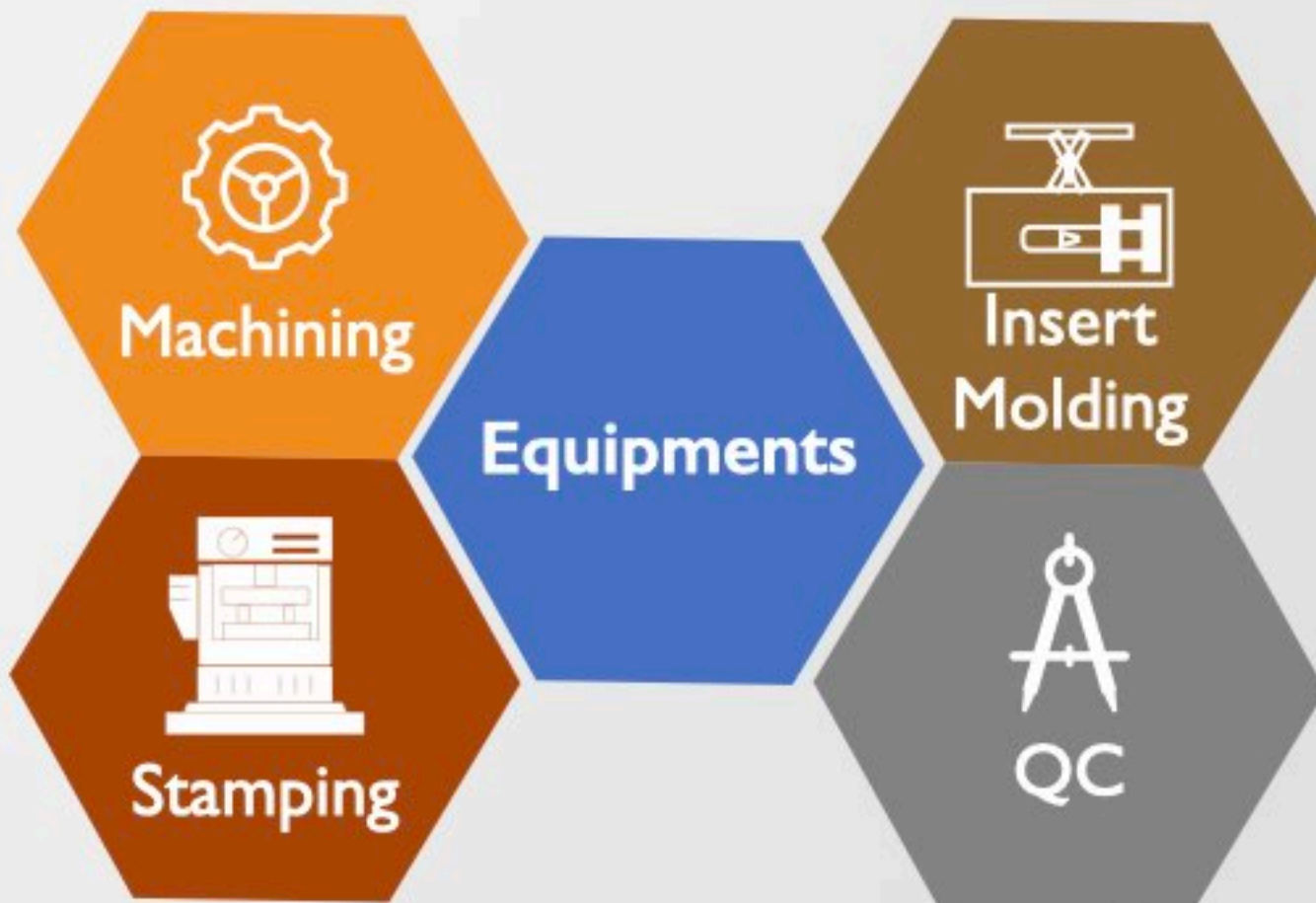
Press Machines



Press Machines



Grinders



Creating Solutions



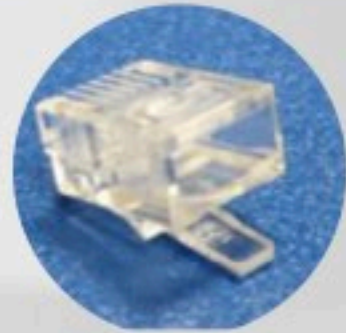
ONE-STOP SOLUTION CASES

One Stop Solution

Case I : RJ45 Connectors



Customer's Previous Process



Supplier A

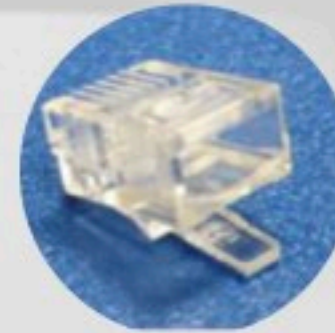


Supplier B



**GS
Supplies**

GS' One Stop Solution



The ONLY supplier: G-SHANK

3 different contacts to coordinate the due dates, QC, and etc.



4 Stops Manual Assembly Line:
4 people needed
6 sec/ pcs



**GS Customized
Automated Assembly
Machine**

Automated Assembly Line:

↓ 75% manpower (**1** person needed)

↑ 300% productivity (2 sec/pcs)



Customer's Previous Process



Supplier A



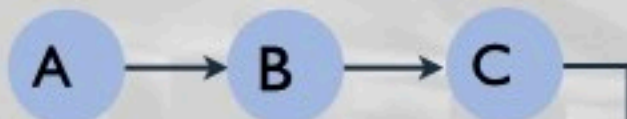
Supplier B



Supplier C

3 different contacts to coordinate the due dates, QC, and etc.

Outsourcing



Manual Assembly Line



3 Outsourcing Stops + 3 Stops Manual Assembly Line:

(Metal Parts Riveting, Silver Contact Riveting, 100% Inspection):

3+ suppliers needed

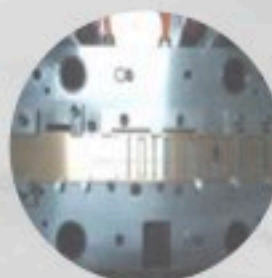
4 people needed

10 sec/ pcs

GS' One Stop Solution



The **ONLY** supplier: **G-SHANK**



Metal Stamping (SPM 300)



Inert-molding (Hot Runner/ 4 Cavities)



Metal Parts Hot Riveting (GS Customized Auto Riveting Machine)



Silver Contact Riveting (SPM 60)



AOI 100% Auto Inspection

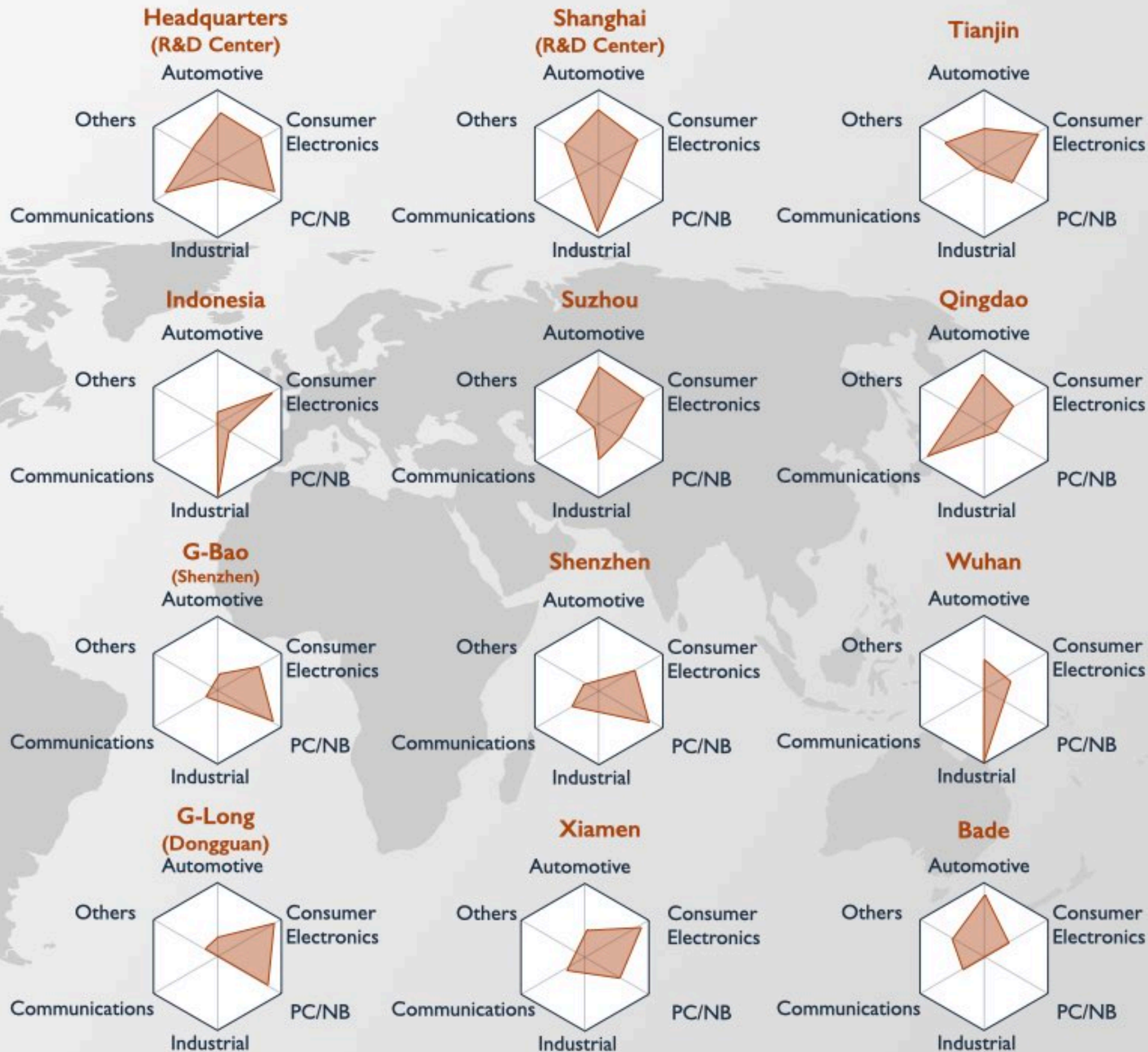
One Stop Solution + Automated Assembly Line:

↓ **25%** manpower (3 people needed)

↑ **330%** productivity (3 sec/pcs)

↓ **20%** plastic material (Hot runner)

Regional Expertise



Quality Assurance



ISO 9001



ISO 14001



IATF 16949

Quality Assurance

Design

- 20,000 Die Design Experience
- Design Database
- 47 Years of Experience

Customer Service

- Complaints acknowledge in 3 days
- Report complaints & solutions to design & production divisions
- 8D Report
- On-going improvement plans
- Visit our clients periodically to cultivate long-term relationship & discuss quality improvement solutions



Production

- Big data monitors product measurements
- XBar-R & CPK
- AOI machine inspection
- Maintain the die periodically through computerized system
- Die Change Point Management System
- Voluntary Inspection, FAI, QC Inspection

Why G-SHANK?



R&D Talents

80+ R&D Engineers

10+ Avg. Length of Service

5 Languages: Chinese/English/
Japanese/Korean/Spanish

3D Design & Database System

3 Industry-University Collaboration
Training Center



Costs

Localized Purchasing
Economies of Scale
TQM
Integrated Services



Quality

49 Years of Experience

3 Quality Certifications
AOI Machine Inspection



Lead Time

90% of Die Parts
Manufactured Internally

17+ Global Locations

1 Stop Solution



Core Values

Integrity: We strive to create an environment builds on trust in which our employees are treated equally and as valued team members.

Commitment: We make it our aim to develop relationships with our customers that create a positive impact on their lives.

Our Vision

G-SHANK is dedicated to precision manufacturing, with the intention of becoming the leading brand of the industry.

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G-SHANK

Thank you