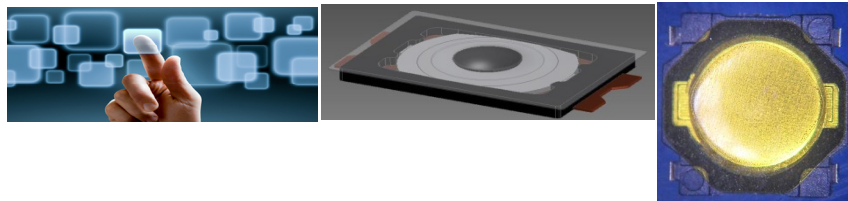


*Globalized Win-Win partnership,,,
Worldwide best Micro-Tactile switches*



Company Introduction

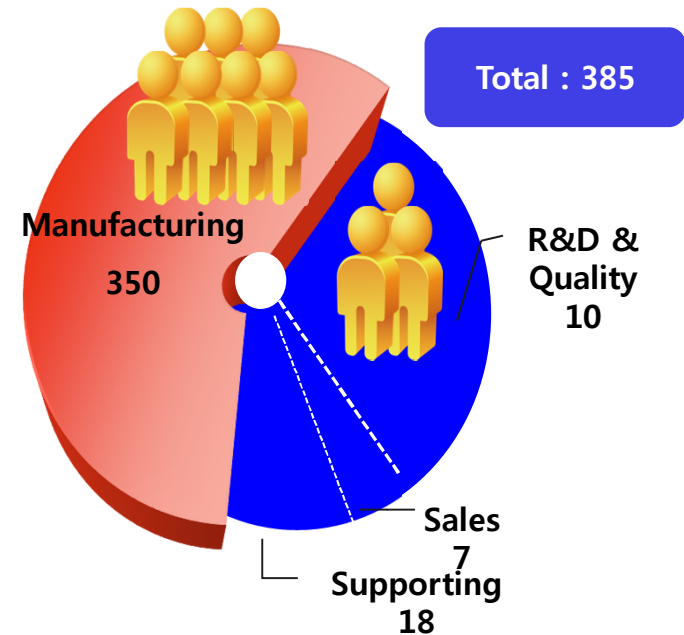
Company Name	Switch Korea Co. Ltd./ Qingdao NAMA Electronics Inc.	Foundation	Sep. 09, 1977/ Jan. 07, 1992
No. of Employee	25 (2016 year) / 360 (2016 year)	Business	Manufacturing & Sales of Electronic components
Company location	Incheon, Korea/ Qingdao, China	Sales figure	\$17 million (2016) / \$13million (2016)

1977 Founded JEIL Trading Corporation
1984 Newly established electronic business unit
1985 Designated as Excellent Small Enterprise by Bank of Seoul
1986 Designated as a Leading Enterprise of Mold Production
1990 Designated as a Technology Advancement Company
1991 Acquired the UL, CSA, VDE Certificates
1992 Established Namae Electronics, Inc. in Qingdao, China
1993 Completed 1st factory of Qingdao Namae Electronics Inc.
1994 Established R&D center
1994 Started Plating Production (china plant)
1995 Completed the 2nd Factory in Qingdao, China

1996 Acquired the ISO-9002 Certificate
1999 Designated as a Venture Company
2003 Developed R/F switch
2006 Acquired ISO-14001 (environment system) certification
2010 Newly extension plating line (Reel to Reel 7 lines)
2011 Changed company name to Switch Korea Co., Ltd
2012 Selected as a Vision Enterprise
2013 Acquired certification on professional parts & material company
2015 Developed Wafer type(Out Embo) Tact switch
2016 Developed Wafer type(In Embo) Tact switch (Waterproof IP67)

Company Overview

Organization	
Product	All kind Switches
Sales & Supporting	25
R&D & QA	10
Manufacturing	350
Total	385



HQ (SwitchKorea) & Plant (Qingdao) Links

HQ

- Sales & Marketing (Domestic)
- Financing & Resources
- R&D

China Plant

- Mold, Press, Plating
- Manufacturing parts & Products
- Automation & Tooling Design
- Global & Domestic marketing



Production Facilities Competitiveness

Manufacturing Automation

Auto-assembly Machine	70 Sets
Auto-packing Machine	27 Sets
Auto-inspection Machine	32 Sets







Tooling & Component processing

Tooling Precision Machine	28 Sets (High-speed discharge machine , EDM etc)
Press Machine	31 Sets
Molding Machine	40 Sets



Manufacturing Competitiveness

Capability by Products Group

Group		Capacity /Month	Percentage
Tact		85KK	86.6%
Detector		8KK	8.2%
Push		1.8KK	1.8%
Slider		1.7KK	1.7%
Power		0.2KK	0.2%
Sealed Tact		1.5KK	1.5%
Total		98.2KK	

Capability

98KK/Month



Quality Competitiveness

XRF Analyzer



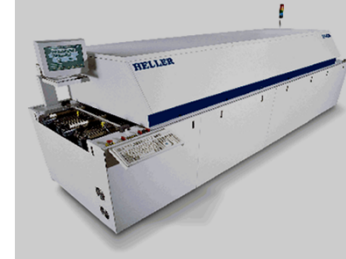
X-Ray



**RoHS Measuring
Instrument**



**Thermal Shock
Tester**



Reflow Tester



**Three-Dimensions
Instrument**



Salt Water Spray



Network Analyzer

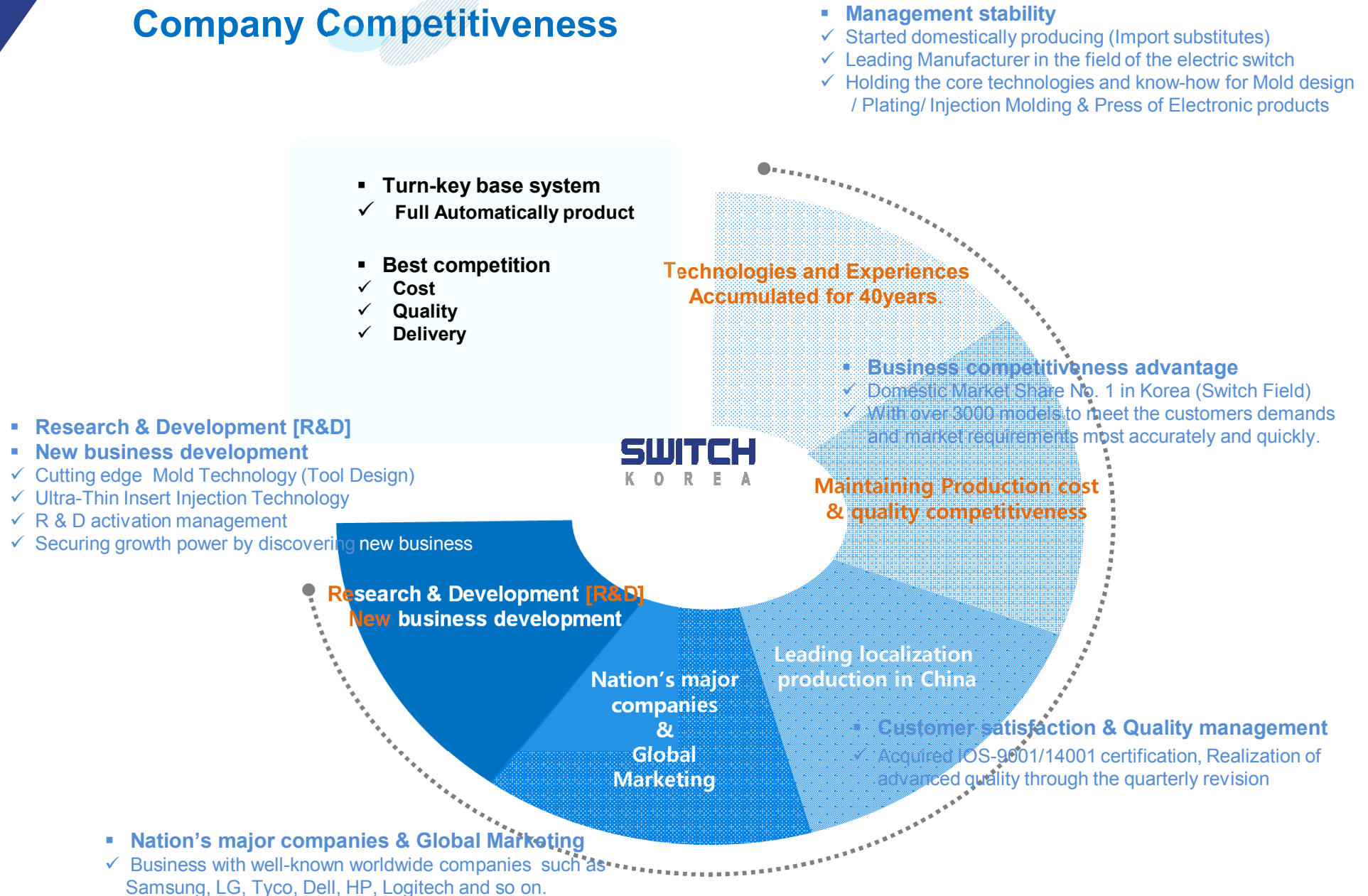


**Temperature Humidity
Chamber**

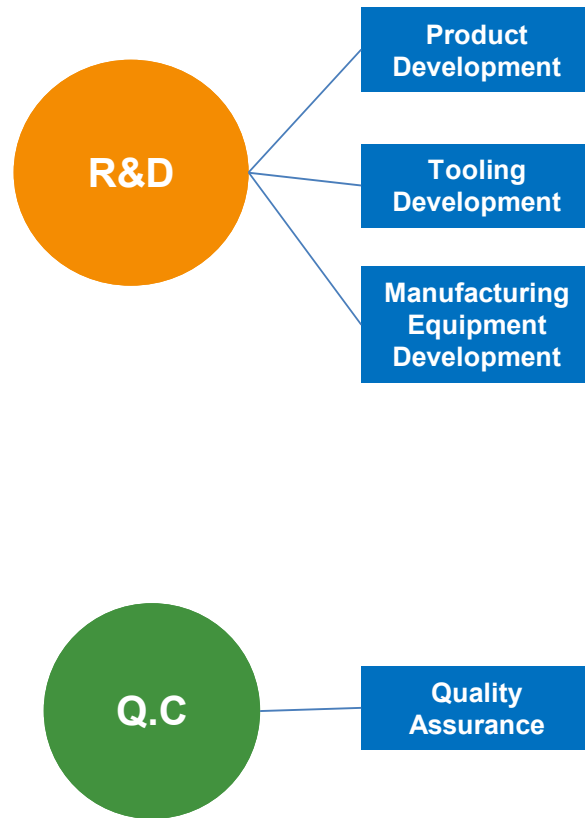


Hardness Tester

Company Competitiveness



Technology competitiveness



- Multi-way s/w (5 directions) : Mobile, Navigation, MP3 ,CCTV
- Vibration s/w : Rotation direction detector switch (Tilt function) – Detect for monitor’s rotation
- Encoder s/w : Gray code applied Pulse switch : Microwave, Washing machine etc.
- Detector s/w : Detector switch applicable for CD/DVD-ROM, BDP
- Small & Thin s/w : subminiature Tact S/W (height 0.55mm / 0.35mm) for DSC, Mobile phone
- Precision part & Mold development (domestically) for Pick up : CD-R, CD-RW, DVD-R, Blue-Ray etc.
- Development of mobile parts – C-Clip, Side Key etc.
- Developed precision mold for switch - Reel to Reel Type (Automatic Insert Injection Molding)
- Pursuit of quality assurance through the continuous reliability evaluation
- Establishment of verification process for new products (verification, establishment of detection power improvement policy)
- To focus on the quality improvement, Maintaining reliability laboratories at the H.Q and China plant
- Implementation of quality assurance by ISO-9001 (H.Q & China plant)



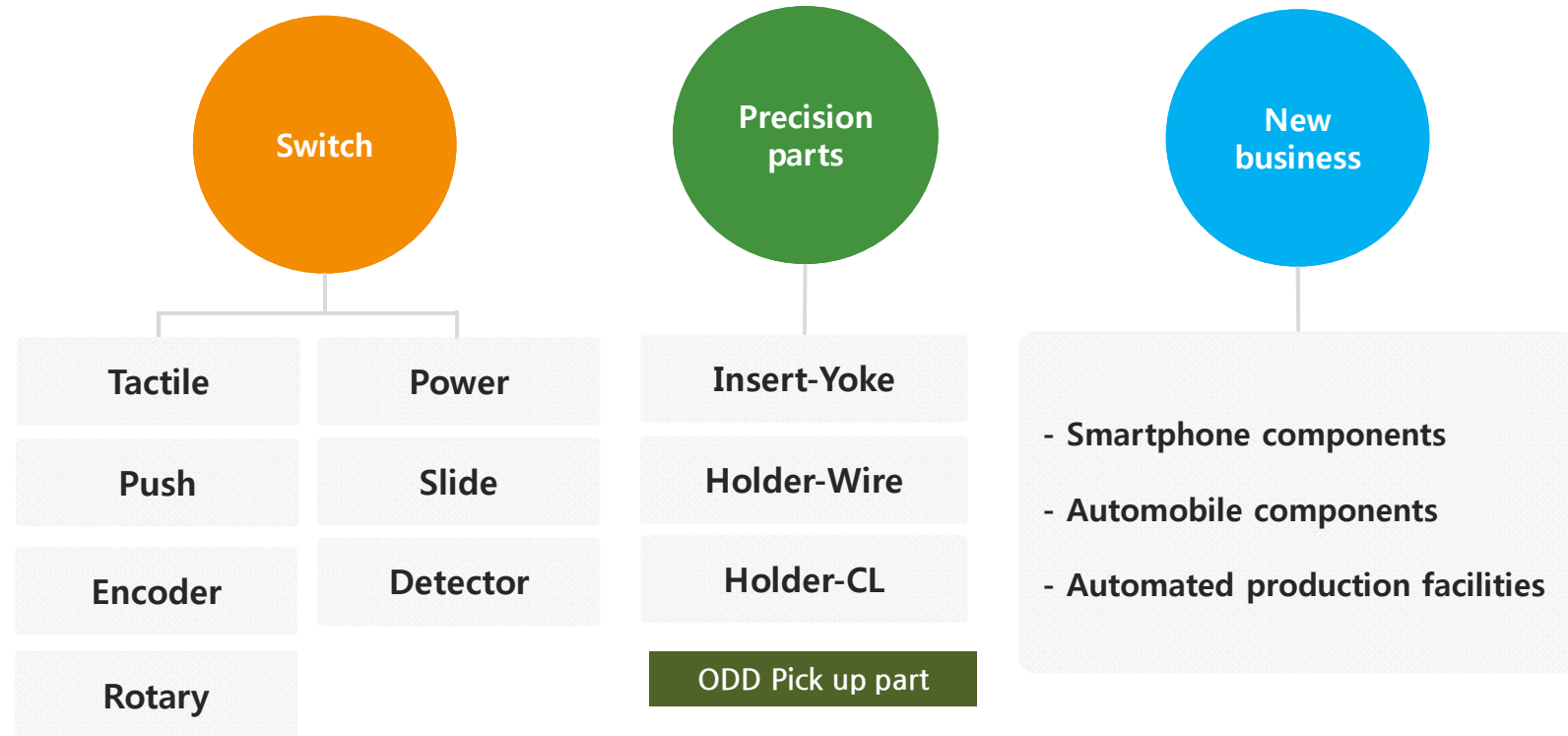


Sales competitiveness

- **Product line construction by turn-key based system.**
- **Construction of core element technologies.**
 - Tooling designing, Manufacturing, Molding, Pressing and so on.
- **Designing fully automatic assembly line and building the operation technique.**
- **Leading localization production in China.**
 - Construct global competitive power for Quality, Cost, Delivery.
 - Domestic Market Share ranking 1st in Korea.
 - Long-term business with global makers : Samsung, LG, DELL, HP, Whirlpool, Foxconn and so on.
- **Selected top priority company to customer satisfaction.**
 - ISO-9001/14001 system for the best quality assurance.
 - ERP system for delivery & cost competitiveness.



Business Field



Main Application

Consumer Electronics

TV, Washing Machine, DVDP



56%

Mobile & Accessories

Mobile, headset & earphone



16%

Computing

PC, Notebook, Tablet, ODD



15%

Office Appliances

Printer, Mouse, Scanner



13%



Major customer



Location

- **Switch Korea Co. Ltd (Web-site : www.switchkorea.com)**
Address: (#731-7,Gojan-dong), Anam Dae-Ro 1143, Namdong-Gu, Incheon,21693, Rep. of Korea
Tel : 032-814-9000
Domestic sales : Tel. 032-810-8015, FAX. 032-814-6085
- **Qingdao NMAE Electronics Inc.**
Address : No.109 Linghai Rd. Lingshanwei Jiaonan, Qingdao, China
Tel : +86-532-8318-3600, FAX : +86-532-8318-1725
- **Shanghai Office**
Address : No.482, Hongjing Road, Shanghai, China , Jinhui Hongjin Garden 18-602
Tel : 86-21-5476-1011, FAX : 86-21-6402-2117 (E-Mail : shanghai@switchkorea.com)
- **Dongguan Office**
Address : Room 1101, Prosperity Plaza Commercial Center, 138 Dongzong Dado, Dongguan, China
Tel : +86-769-8328-9350, FAX : +86-769-328-9352 (E-Mail dongguan@switchkorea.com)
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Address : SWITCHKOREA Europe Lutherstr. 45 63225 Langen/Germany
Tel : +49-6103-8703441, FAX : +49-6103-8703442 (E-Mail ystae@switchkorea.com)

Thank you

SWITCH
K O R E A