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경쟁력

- 가치 | Why A-SUNG
- 고객사 | Customers

파트너 소개

- 벤더 별 주요 제품 소개 | Vendors' Product Lineup

As an electronic & FA component distributor, we dedicate our efforts to innovation and growth, shared value with our customers and vendors in various industries.



A-SUNG International CO., LTD.

Establishment : May 1, 1992

HQ : Seoul, Korea



17 Branches/Sales Offices in 4 Countries

(Korea, China, Vietnam, India)



Employees : 200 staffs

(as of January, 2023)



Sales Revenue : 180M (USD)

(22F)

Vendors

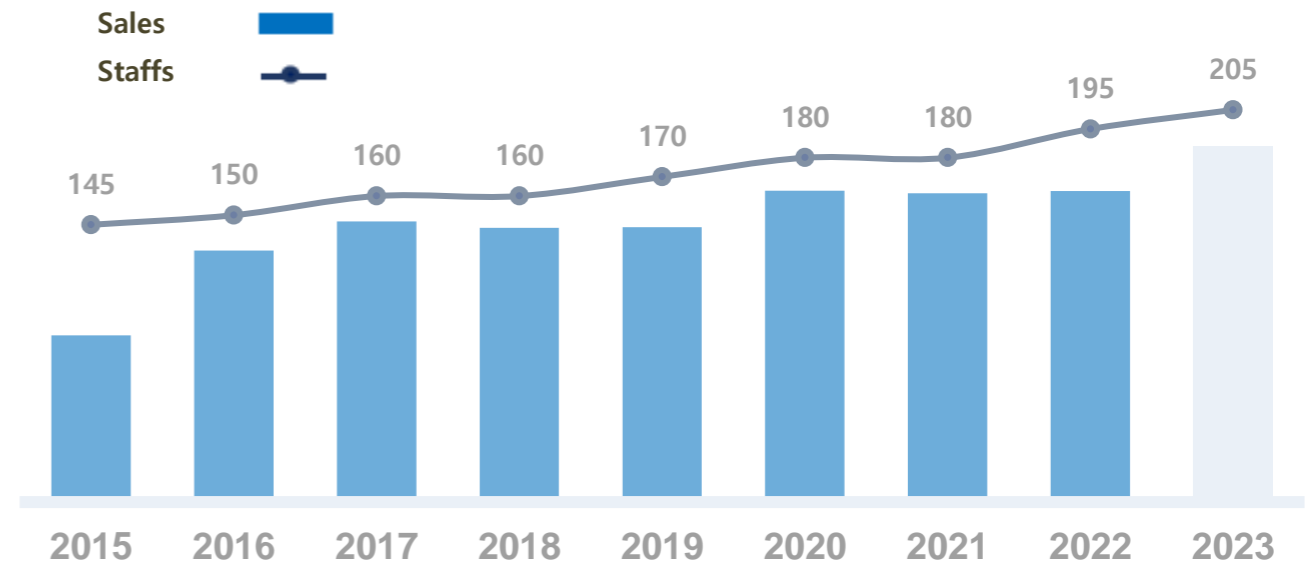
22

Customers

1,500

CAGR '13~'22

11.3%



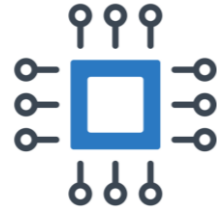
Sourcing & Delivery

- **Passive, Active, Automation Items**
(We handle Material goods in Vietnam)
- **Buffer Stock Operation & Delivery Compliance**
(Efficient Cooperation among Sales and Logistics)

Technical Solution

- **Supporting Technical Issue Solving at Customer Site**
- **HW and SW Technical Support for Various Electronic Parts and Automation Products including Cobots**

We collaborate with top tier vendors, and try to provide the best service to our customers worldwide.



Parts



Automation, Cobots



Materials

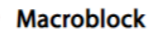
Common(4)



Korea(7)



Overseas(11)



We support our customers by building a sales network in various forms in 17 cities, 4 countries.

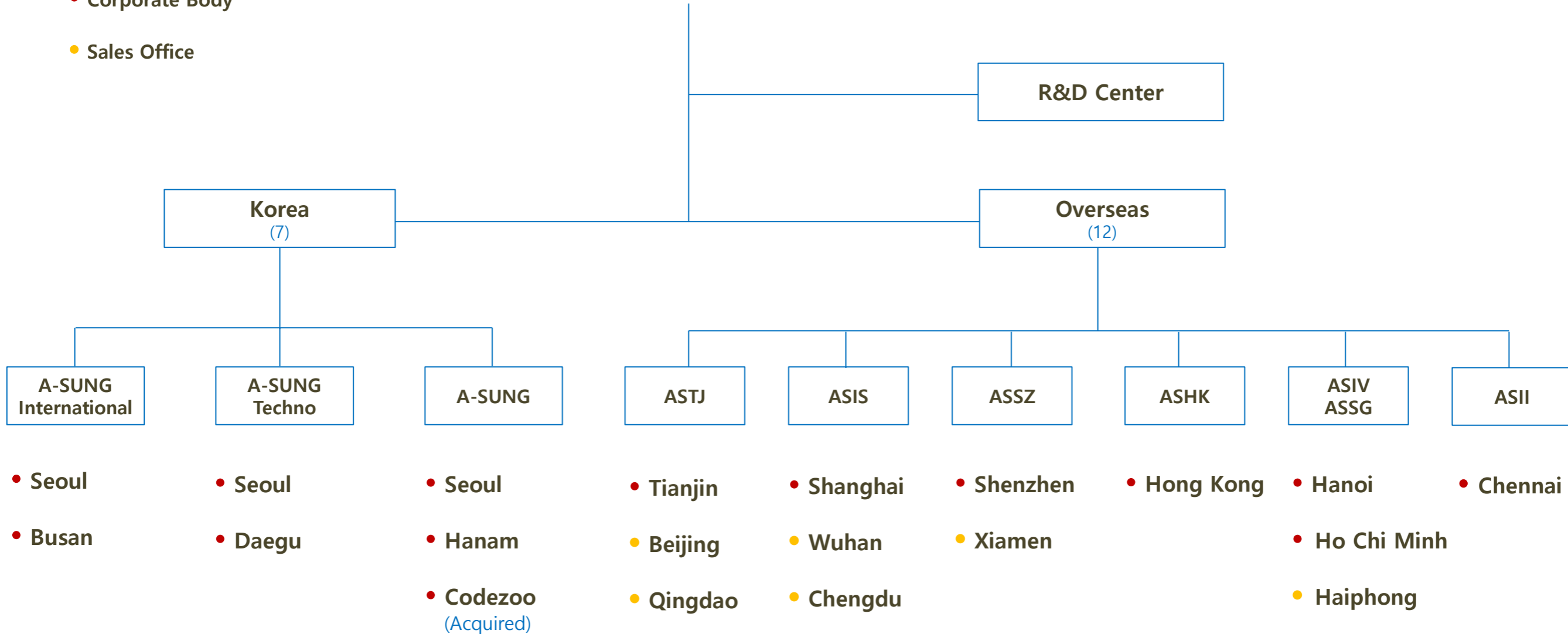
HQ and RHQ in Overseas

- HQ | Seoul, Korea ★
- RHQ in Overseas | Shenzhen, China ★
- ◎ Branch(Corporate)
- ⊙ Sales Office

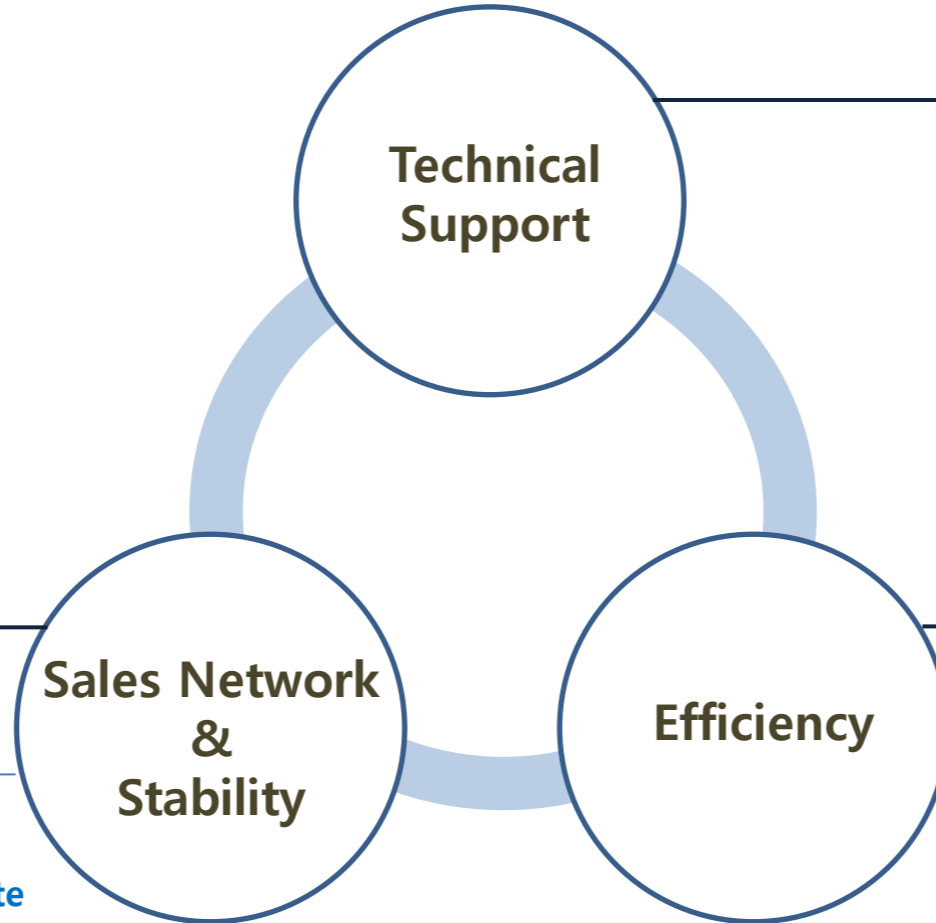




- Corporate Body
- Sales Office



While we expand a sales network, we support our customers' innovation and growth with the expertise of A-SUNG's sales and technical engineers



31 years of business experience
Strong and Stable Financial Structure

Our own global network
Stable Delivery and Quick Support on Site

Reliability
Reliable B2B Engineers and Sales Specialists

By our own AE and FAE
Technical Supports for Global Tier 1 Vendors' Products

From general-purpose products including IC to LPWA, Sensors, Motor IC, HI-POWER, etc.














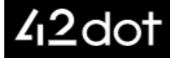
















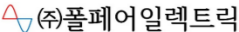





Material Sourcing to Technical Supports with Real Time Response

By our own W/H(Korea) and global logistics partners
Customer-tailored processes



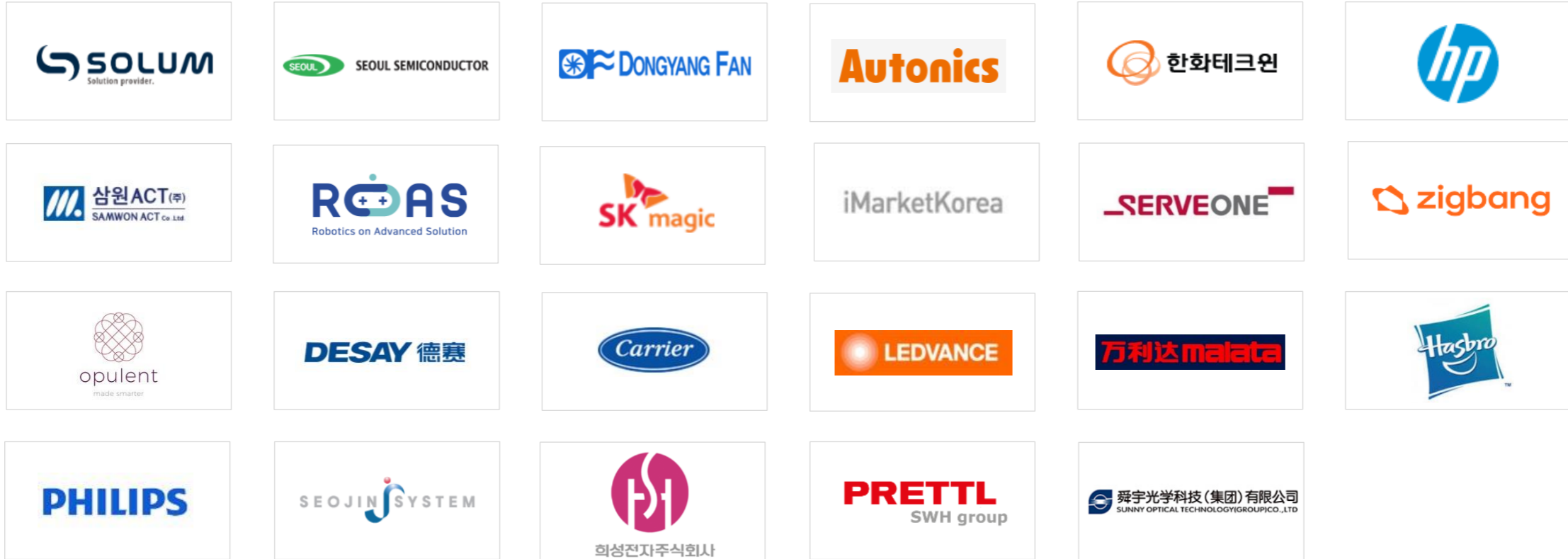
CodeZoo(subsidiary)
RENESAS MCU Design House

Including Sourcing of various electronic parts and automation products
H/W & S/W Support and Outsourcing Design Service Available all in one, A-SUNG

Customers – Semiconductor, Telecommunication, EMS, Japan-based







Capacitors



Inductors



**Noise Suppression
/ EMI / ESD**



Resistors



Thermistors



Sensors



Timing Devices



Quartz Devices



**Sound Components
(Buzzer)**



Power Devices



**Small Energy
Devices**



Batteries



**Micro
Mechatronics**



RFID Products



**Matching
Devices**



Balun



Coupler



Filters



Phase Shifters



RF Switches



**Front End
Module**



**Saw
Components**



Connectors



RF Modules



LPWA Products



**Ionizers /
Ozonizers**



**Ultra Low
Power Short
Range RFIC**



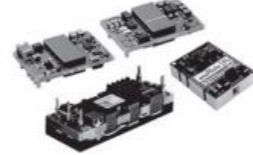
**LTCC Multilayer
Substrates**

+ Antennas, Digital Panel Meters, etc.

Non-Isolated DC-DC Converter Module



Isolated DC-DC Converter module



AC to IC Power Conversion Solutions

Isolated Gate Drive Power module



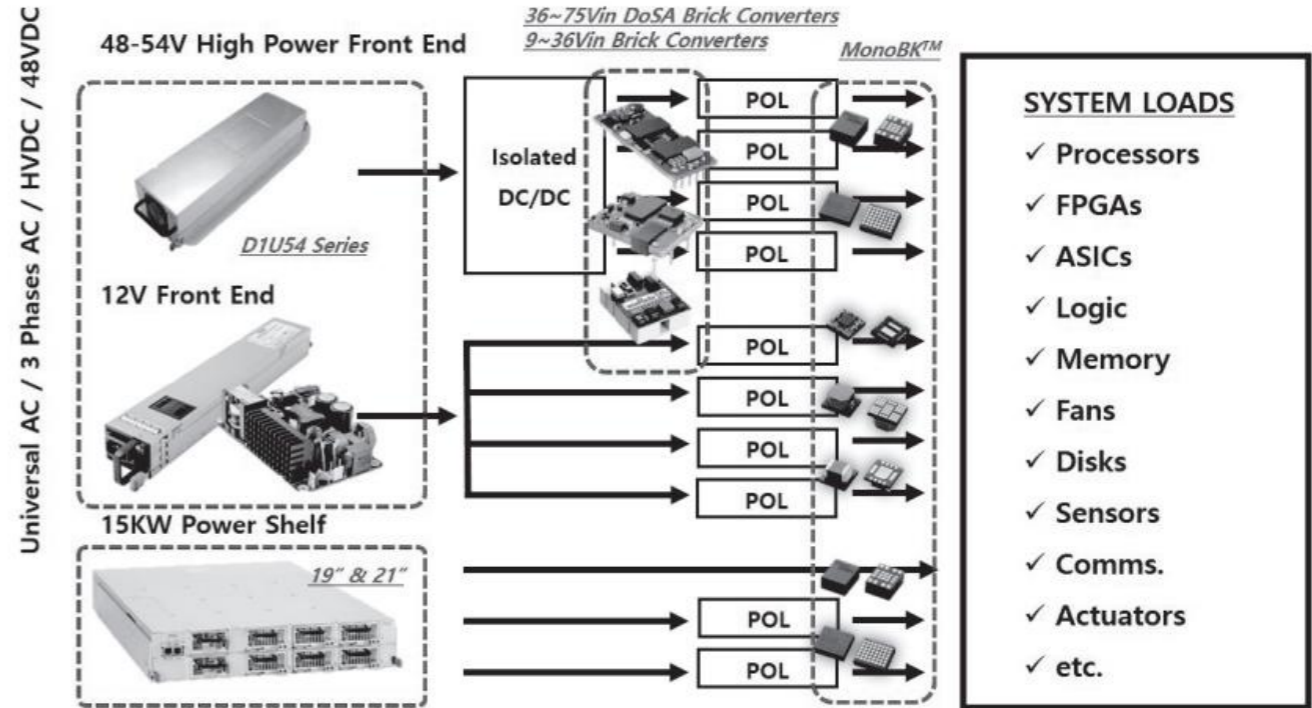
AC-DC Converters



Data Center & Open Compute

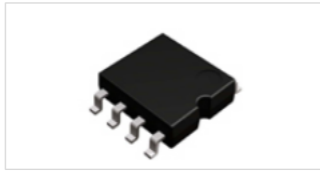


Digital Panel Meters





Memory



Amplifiers & Linear



Power Management



Clocks & Timers



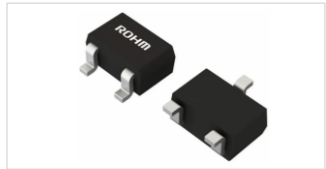
Switch & Multiplexer & Logic



Data Converter



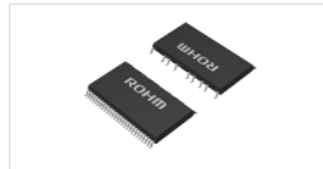
Sensors & MEMS



Digital Power



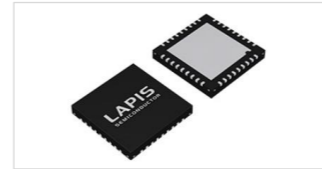
Display Drivers



Motor / Actuator Drivers



Interface



Communication LSI (LAPIS)



Audio & Video



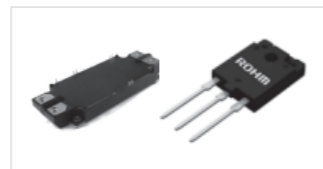
Speech Synthesis (LAPIS)



Transistors



Diodes



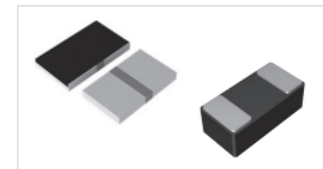
SiC Power Devices



IGBT



IPM



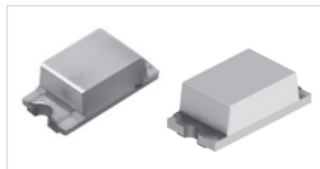
Resistors



Tantalum Capacitors



Power Modules



LED



Printheads



Laser Diodes



Optical Sensors

Relays

- + Signal Relays
- + MOS FET Relays
- + PCB Power Relays
- + General Purpose Relays
- + DC Power Relays
- + Solid State Relays
- + Automotive Relays

Switches

- + Basic Switches
- + Detection Switches
- + Door Switches/Power Switches
- + Limit Switches
- + Safety Switches
- + Tactile Switches
- + Rocker Switches
- + Pushbutton Switches/Indicators
- + Toggle/Pushbutton Switches
- + DIP Switches
- + Thumbwheel Switches
- + Automotive Switches

Connectors

- + Board to Cable Connectors
- + Board to Board Connectors
- + External Connections
- + IC socket
- + Jumper Plugs
- + Board to FPC Connectors

Sensors

- + Flow Sensors
- + Pressure Sensors
- + Vibration Sensors/Tilt Sensors
- + Thermal Sensors
- + IoT Sensors
- + Optical Sensors
- + Human Image Sensing Technology

OMRON TEST SOCKET

카메라, 디스플레이, 센서 등의 모듈 및 IC Chip, 전력반도체 검사 공정에서 Device의 커넥터 또는 PAD 부분에 Contact하여 전기적 특성 및 이상유무를 검사합니다.

EFC 프로브 핀 (XP2)

하중 스트레스를 낮추는 독자적인 스프링 형상으로 높은 내구성을 확보하였으며, 이물의 자정작용 및 안정적인 접촉저항, 어떤 대상에도 적합한 선단형상이 주요 특징입니다.



우측의 제품은 참고용이며, 특성 및 형상은 모두 커스터마이징 가능하며 원하시는 사양 및 용도에 맞추어 디자인 가능합니다.

Leading Technology & Innovation



The No. 1 Vcore solution
in the market

It has provided **Intel** and **AMD** complete CPU / GPU / APU Vcore power solutions for a long time, and has won the Intel reference design award for many times.



The No. 1 Display Power Solution
in the market

The display power solution with the highest market share in the worldwide, adopted by international manufacturers such as **Samsung / LG / Sony**.



Mobile solutions
across multiple platforms

Supports **multiple industry standards** including MediaTek mobile platform, providing discrete and integrated power management ICs and accurate battery fuel gauge solutions.



Fast charging technology

Compliant with USB PD PPS standard and constant current / constant voltage control battery charging technology, support industry-leading **65W** super fast charging technology. Charge to 50% in 10 minutes.

AC-DC

Audio

Battery Management

BLDC Motor Driver

Gate Drivers & DrMOS

LCD & OLED Display Power

LED Drivers

Linear Regulators

Memory Power Solutions

OP Amps

PMICs

Supervisors & Reset ICs

Switches

Switching Regulators

USB Type-C & PD Solutions

Vcore

(Source : From RICHTEK)



For passenger cars IGBT modules

Features:

- The latest generation Trench + Field Stop IGBT chip
- Integrated Pin-fin heat dissipation substrate
- Integrate temperature and current sensors
- Low thermal resistance, low inductance
- Compact structure design, high power density
- High power cycle, Temperature impact capacity
- For drive systems in the power range 30kW - 200kW



Mild hybrid system for traditional fuel vehicle 48V BSG Power modules

Features:

- The latest generation of high-performance MOSFET chips
- Efficient integration of power chips, current sensors, capacitors and heat sinks
- Low inductance, low thermal resistance, high power density
- Enhanced driving comfort
- Average fuel savings of 5-15%
- GM Excele GT, Chevrolet, Cruze, Monza, and all mild hybrid models





For commercial vehicles and logistics vehicles IGBT module product series

Features:

- The latest generation 1200V Trench + Field Stop IGBT4 chip
- Automotive-grade packaging technology such as ultrasonic welding
- Vibration and shock resistant structural design
- Automotive grade AQC324 certification
- For drive systems in the power range 100kW - 300kW



For high performance vehicle SiC modules

Features:

- The latest generation SiC MOSFET chip
- High reliability silver paste sintering technology
- High-performance Si3N4 insulating substrate
- Low inductance, low thermal resistance
- For drive systems in the power range 60kW - 200kW



Low Power Modules

Medium Power Modules

High Power Modules

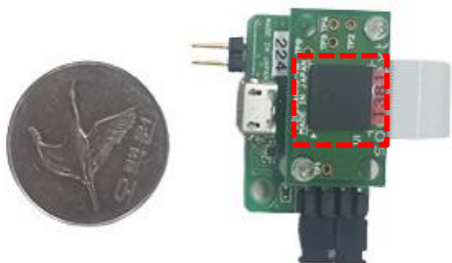
SiC

Discrete Parts

Automotive IGBT Modules

Automotive SiC Modules

24GHz / 60GHz RADAR Sensor



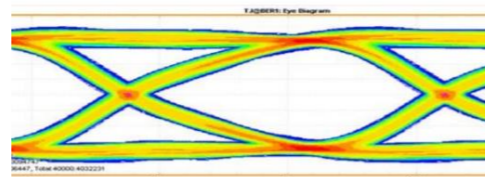
<p>Compact size 24GHz: 9x9 60GHz: 7x4</p>	<p>Micro-motion detection (2cm~5cm)</p>	<p>Built-in antenna easy assembly</p>
<p>No effect on external environment (light, temp.)</p>	<p>Objects behind (covered by) an obstruction Detection</p>	<p>0.5~0.7mW Low power</p>

	24GHz		60GHz
Product	SC1232AR3 (Sardinia2)	SC1233AR3 (Sardinia3)	SC1240AR3 (Ryle)
Status	EVK/ES: Available MP: Available	EVK/ES: Available MP: Available	EVK/ES: '22/Q2 MP: '22/Q4
Package/ Antenna Configuration "Image not scaled"			
Bandwidth	up to 180MHz	up to 180MHz	up to 6.8GHz
Tx/Rx channel	1-TX / 2-Rx	1-TX / 2-Rx	1-Tx / 4-Rx
Detection	Distance	✓ } 1D	✓ } 2D
	Azimuth angle	---	✓ } 3D
	Elevation angle	---	✓ }
Tx EIRP (typ)	4.0dBm	4.0dBm	3.0dBm*5
Interface	SPI, I2C	SPI, I2C	SPI, I2C
Power consumption	110mW Average: 0.5mW*1	160mW Average: 0.6mW*2	250mW Average: 0.7mW*2
Size	9.0mm x 9.0mm	9.0mm x 9.0mm	4.0mm x 7.0mm
Integrated signal processing	FFT Distance detection Motion detection Digital beam shaper	FFT Distance detection Motion detection	FFT Location detection(1-3D) Presence detection(1-3D)
Integration	Antenna, RF, ADC, Digital F/E & SP, I/O	Antenna, RF, ADC, Digital F/E & SP, I/O	Antenna, RF, ADC, Digital F/E & SP, I/O, ROM for self-boot

DC-DC Converters	Display Power	Power Over Ethernet	Protection and System Monitoring
<ul style="list-style-type: none"> • Step-up (boost) • Step-down (Buck) • PMIC 	<ul style="list-style-type: none"> • Camera LED Flash Drivers • LCD Bias Supplies • LED Backlight Drivers • RGB LED Drivers 	<ul style="list-style-type: none"> • PoE PD Controllers • PoE PD Regulators 	<ul style="list-style-type: none"> • EMI/ESD Suppression • Overvoltage/Overcurrent Protection • Surge Protection • USB Dataline • Load Switches • Reset ICs

Video converter	Repeater
-----------------	----------

- | | |
|---|---|
| <ul style="list-style-type: none"> • Display to HDMI/VGA/LVDS • USB type-C Alt-mode to HDMI | <ul style="list-style-type: none"> • DisplayPort 1.4a Re-timer • USB 3.2 x1 Gen1/Gen2 Retimer |
|---|---|



- USB Type-C Port Controller



노동력 부족 문제에 맞서
생산성을 높이고 경쟁력을 얻으십시오



구분	UR3e	UR5e	UR10e	UR16e	UR20
⊖ 반 경	500mm	850mm	1,300mm	900mm	1,750mm
⌚ 페이로드	3kg	5kg	12.5kg	16kg	20kg
⊕ 설치면적	Ø128mm	Ø149mm	Ø190mm	Ø190mm	Ø245mm
⚖ 중 량	11.2kg	20.6kg	33.5kg	33.1kg	64kg



자재 취급

이동, 정렬, 포장, 적재

[자세히 보기→](#)



머신 텐딩

CNC, IMM, 프레스

[자세히 보기→](#)



자재 제거

디버링, 샌딩, 연마, 버프 연마, 드릴링, 밀링

[자세히 보기→](#)



품질

측정, 테스트, 검사

[자세히 보기→](#)



조립

삽입, 장착, 포지셔닝, 스크류드라이빙, 너트 드라이빙

[자세히 보기→](#)



RG2 그리퍼



RG6 그리퍼



RG2-FT 그리퍼



게코 SP 그리퍼



3FG15 3핑거 그리퍼



VG10 전기 진공 그리퍼



VGC10



VGP20



SOFT GRIPPER

ANY ROBOT, ANY GRIPPER, ANY END EFFECTOR

Compatibility with all common robots

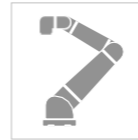
The MATCH portfolio opens up countless application possibilities in all industries.

No matter which modular solution you choose, we promise: It's a MATCH.

Smooth interaction between robot and gripper is guaranteed by the smart connection concept.

Robot

Appropriate for all common lightweight robots – an ideal system for cobots and conventional 6-axis robots.



Communication module for IO-Link module

No SCM is necessary for quick-change module with digital I/O. With quick-change module RS485, the SCM is integrated.



Quick change module (top)

Digital I/O, IO-Link, RS485



Gripping components incl. quick-change module (bottom)

A constantly expanding portfolio of compatible gripping components.

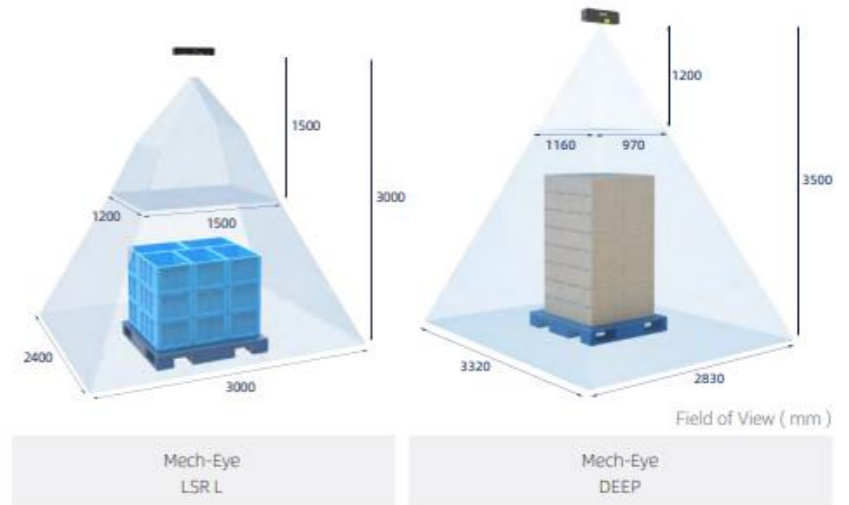
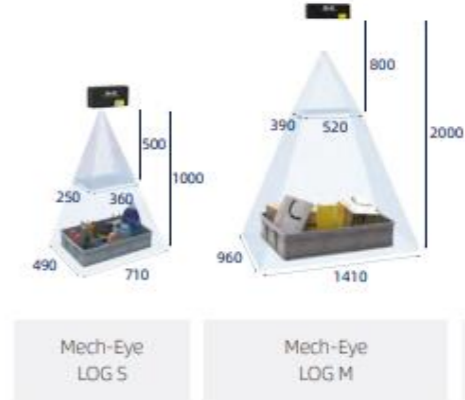


Vacuum generator /
Connection of gripping components (vacuum)

Mech-Eye Industrial 3D Camera

A Perfect Combination of Excellent Performance and Cost Effectiveness

Specification	LOG S	LOG M	LSR L	DEEP
Optimal Scanning Range (mm)	500 - 1000	800 - 2000	1500 - 3000	1200 - 3500
Near FOV (mm)	360 × 250 @ 0.5 m	520 × 390 @ 0.8 m	1500 × 1200 @ 1.5 m	970 × 1160 @ 1.2 m
Far FOV (mm)	710 × 490 @ 1.0 m	1410 × 960 @ 2.0 m	3000 × 2400 @ 3.0 m	2830 × 3320 @ 3.5 m
Resolution	1280 × 1024	1280 × 1024	2048 × 1536 (Depth Resolution) 4000 × 3000/2000 × 1500 (RGB)	2048 × 1536
Megapixels (MP)	1.3	1.3	3.0	3.0
+Point Repeatability Z (σ)	0.1 mm @ 1.0 m	0.3 mm @ 2.0 m	0.5 mm @ 3.0 m	1.0 mm @ 3.0 m
+VDI/VDE Accuracy	0.2 mm @ 1.0 m	0.3 mm @ 2.0 m	1.0 mm @ 3.0 m	3.0 mm @ 3.0 m
Typical Capture Time (s)	0.3 - 0.5	0.3 - 0.5	0.5 - 0.9	0.7 - 1.1
Baseline (mm)	150	280	380	400
Dimensions (mm)	270 × 72 × 130	387 × 72 × 130	459 × 77 × 86	481 × 98 × 145
Weight (kg)	2.2	2.4	2.9	4.3
Operating Temperature	0 - 45°C		-10 - 45°C	0 - 45°C
Communication Interface	Ethernet			
Image Sensor	Sony CMOS for High-end Machine Vision			
Power Supply	24V DC			
Safety and EMC	CE / FCC / VCCI			
Protection Class	IP65			
Cooling	Passive			



AWS Cloud 서비스를 통해 사물인터넷(IoT) 기술을 접목한 협동 로봇 솔루션을 제안 드립니다.



- 유연한 자동화·효율적인 인력 관리
- 쉬운 프로그래밍·빠른 설치·협업 및 안전성 강화

- 저렴한 통신비용·수년 간 유지되는 긴 배터리 수명·광대역 통신 가능(설치 장소의 제약이 없음)
- Murat Cat.M1 Module의 특징 :
최소형 사이즈(11.1x11.4mm), 저전력(PSM Mode : 1.5 uA), (Modem 사이즈 : 52x25mm)



Automation Systems



Identification & Marking



Industrial Control Panel Products



IO-Link



Machine Safety Technology



Machine Vision



Motion and Drives



Robotics



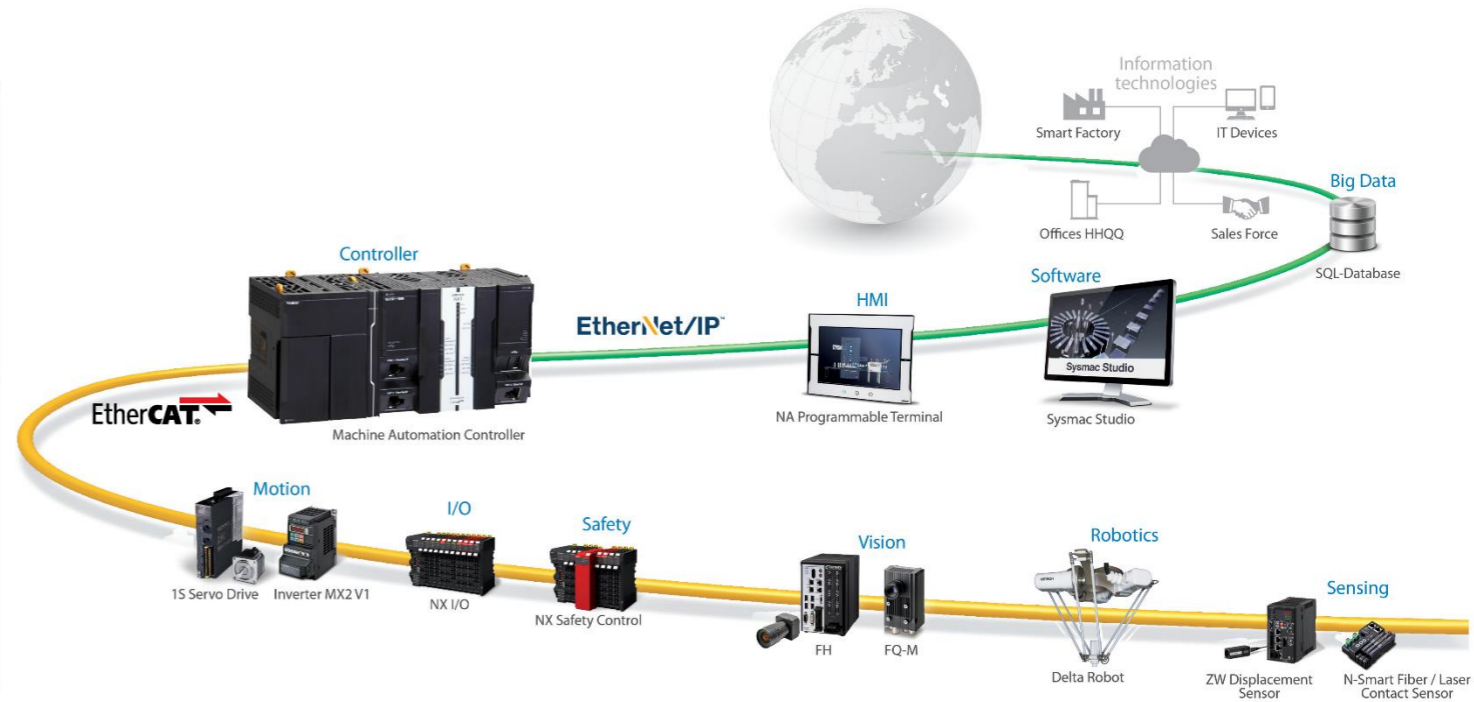
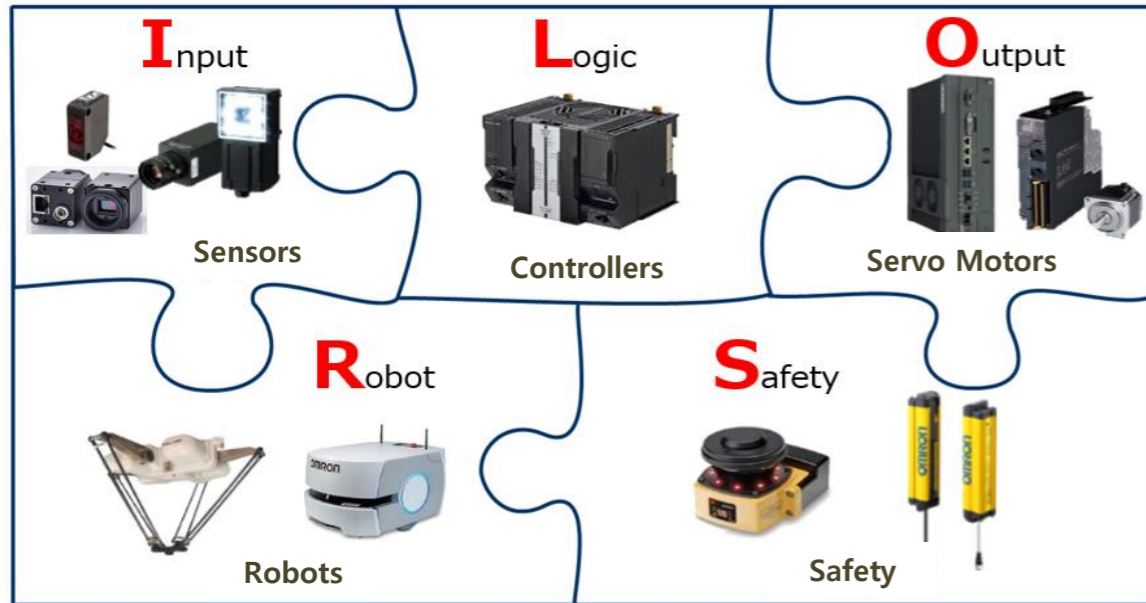
Sensing



Software



SPI | AOI | AXI



Directional Control Valves



Air Cylinders



Rotary Actuators/Air Grippers



Electric Actuators/Cylinders



Vacuum Equipment



Air Preparation Equipment



Modular F.R.L./ Pressure Control Equipment



Lubrication Equipment



Fittings and Tubing



Flow Control Equipment
Speed Controllers



Silencers/Exhaust Cleaners/
Blow Guns/Pressure Gauges



Switches/Sensors/Controller



Static Neutralization Equipment



Process Valves



Chemical Liquid Valves/
Fittings & Needle Valves/Tubing



Process Pumps
(Diaphragm Pumps)



Temperature Control Equipment



Process Gas Equipment



High Vacuum Equipment



Industrial Filters/
Sintered Metal Elements



Pneumatic Instrumentation
Equipment



Hydraulic Equipment



Specialized Products
for General Use



Contactor



Manual Motor



PLC



Circuit Breakers



HMI



Servo Motor

Ion Bar (SIB5S-C Series)



Soft X-ray Ionizer (SXB-05N/SXN-05U)



Ion Blower (SBL-18 / SBL-20W)



Ion Nozzle (SPN-12/12S / SIG-30)



Ion Blower (SOB-S Series – 2/3/4/5 Windows)



**Electrostatic that must be controlled in
Semiconductor, Injection, FPD industries such as OLED, LCD and Etc...**



Fluids, Coating



Tape



Film



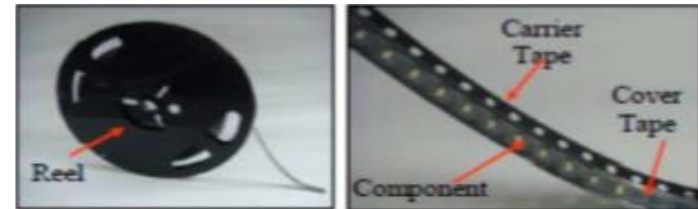
Anti-static additive



Fluorinert



Abrasive & Polishing



Reel & Tape



Aerosol Multi purpose Adhesive



Epoxy



Curing Hot Melt



Water & solvent based adhesive



Interconnector



Personal Protective Equipment



Instant Adhesive



Labeling Material



UV Curing



Flux Remover



Electrical Accessories

THANK YOU



Tel : 070.4235.1156



E-mail : asungmaster@asung.com



A-SUNG BLDG, 24 114-Gil, Teheran-Ro, Gangnam-Gu, Seoul, Korea