

**with**system

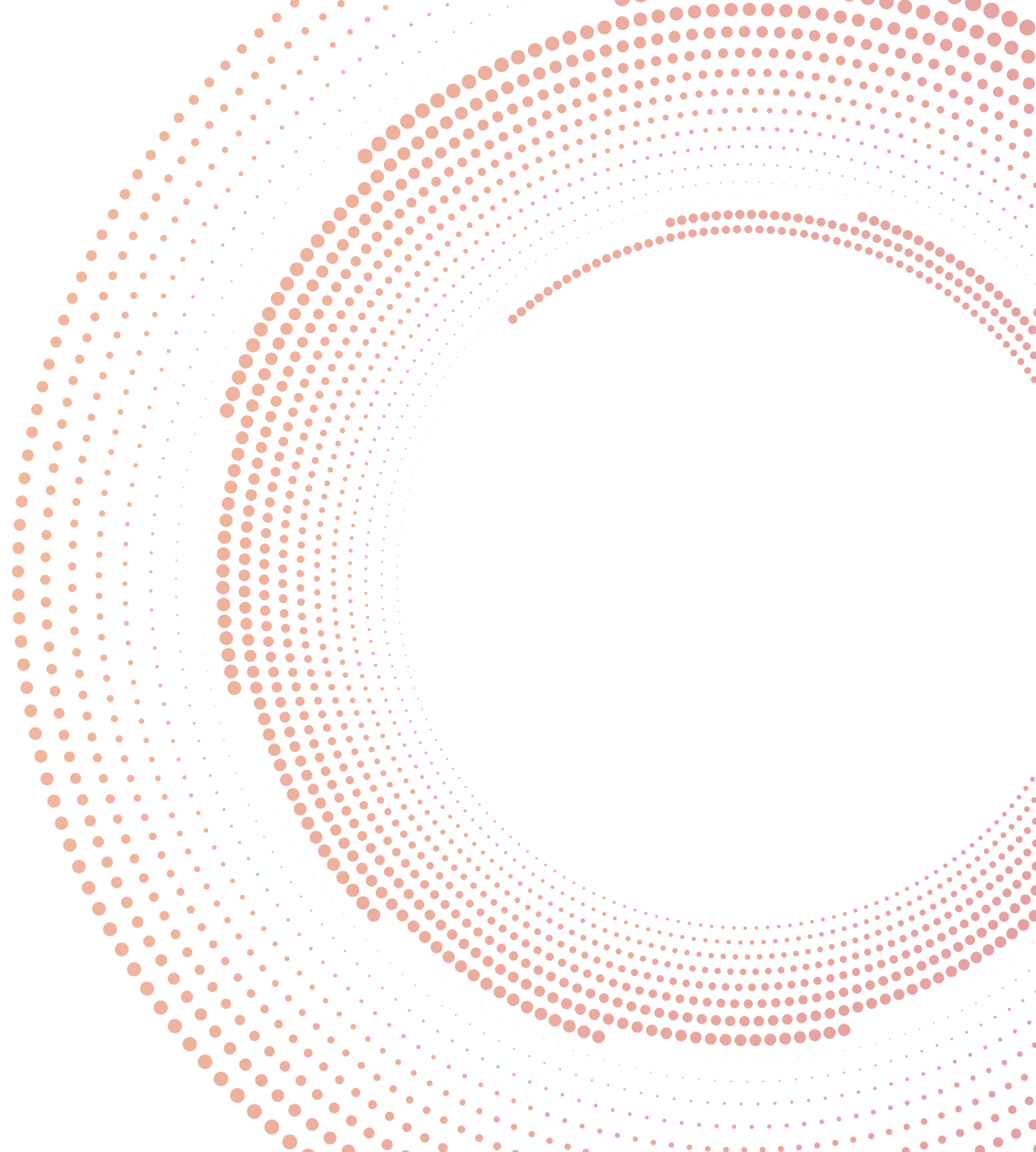
The Highest Value

**WITHSYSTEM**

Cherishing customer value and the best value  
for customer satisfaction

**Withsystem Co.,Ltd.**

[www.withsystem.co.kr](http://www.withsystem.co.kr)





01

## WITHSYSTEM STORY

- The beginning of Withsystem
- Withsystem's core value
- Current status and view of company

02

## WITH INNOVATION

- Business roadmap
- Patents and certifications

03

## READY TO BUSINESS

- Adding technology to display
- FA solution to enhance productivity
- New challenge for semiconductors

04

## WITH WITHSYSTEM

- Innovative technology and expertise

We bring out **the best satisfaction**  
**with the best technology.**

01

WITHSYSTEM STORY



Display

Testing  
semiconductor

Automated  
facilities

## WITHSYSTEM STORY

### The beginning of Withsystem

Since its foundation in 2002, Withsystem Co.,Ltd. has achieved **continuous growth with independent test solutions** used in IT fields including **display, mobile, etc.** Based on technical know-how accumulated until now, we are always trying our best focusing on our customers.

With our differentiated test devices, automation equipment for measurement, ultra-precision micro contactors, JIGs, and various test solutions based on embedded and new devices, we will try our best as the best global company in the new technology field that is yet to come.



# WITHSYSTEM STORY

Withsystem's core value



## Future-oriented human-focused management

By respecting the values and goals of individual employees, we pursue human-focused management to create a new driving force of the company.



## Creating values through development of new technology

Based on active challenge and passion, we provide better technology and services in various fields through endless research and development.



## Customer-centric business companion

We understand and share the various requirements of clients and play the role of the best business partner finding solutions with advanced technology.

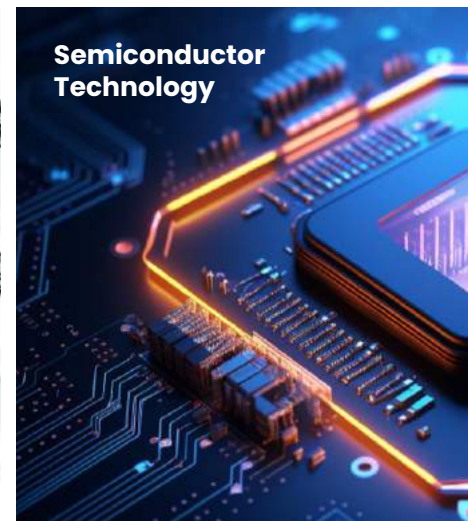
# WITHSYSTEM STORY

Current status of company

## Overview

<b>Name</b>	<b>withsystem</b> Withsystem Co.,Ltd.	<b>Headquarters / factory</b>	315-17 Hyeoksin-ro, Gimcheon-si, Gyeongsangbuk-do / 30 Saneopdanji 9-ro, Eomo-myeon, Gimcheon-si, Gyeongsangbuk-do
<b>CEO</b>	Myung Jun Kim	<b>Research center</b>	Room #705, #706, Building A, 16, Deogyong-daero 1556beon-gil, Yeongtong-gu, Suwon-si, Gyeonggi-do
<b>Foundation</b>	March 15, 2002	<b>Website</b>	<a href="http://www.withsystem.co.kr">www.withsystem.co.kr</a>
<b>Main business</b>	Display testers, automated equipment, and other semiconductor devices		

## Core business



# WITHSYSTEM STORY

Current status of company

## Company history

- 2002** 03. Foundation of With Co.,Ltd.
- 2004** 07. Construction and relocation of new factory
- 2005** 10. Changed company name to Withsystem Co.,Ltd.
- 2006** 03. Establishment of Suwon Research Institute
- 2008** 03. Establishment of Dongguan Wida Co.,Ltd. (Chinese Dongguan Corporation)  
05. ISO 9001 certification of quality management system  
ISO 14001 certification of environmental management system  
07. Certification of establishment of corporate research institute  
12. Inno-Biz certification
- 2009** 12. Selected as a military service company
- 2011** 12. Designated as a promising export small to medium firm
- 2012** 12. Selected as a new-growth company in Gyeongsangbuk-do
- 2013** 08. Construction and relocation of new factory (Head office)

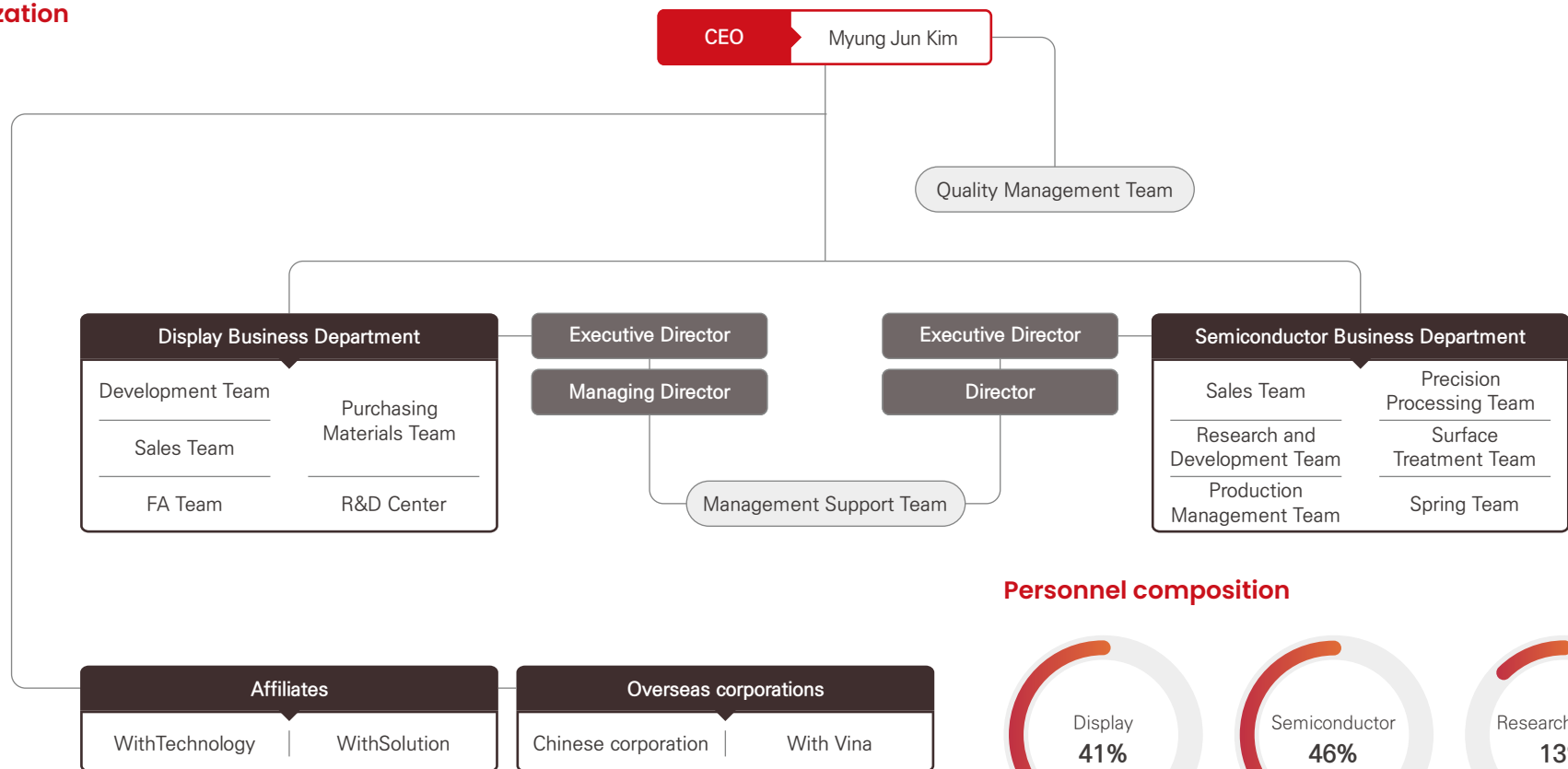
- 2014** 05. Establishment of With Vina corporation (Bac Ninh, Vietnam)  
12. Received the Minister of Trade, Industry, and Energy Award
- 2015** 03. Received award from the Deputy Prime Minister/Minister of Economy and Finance  
04. Expansion and relocation of Suwon Research Center  
12. Certified as a global leading company (Korea Industrial Complex Corporation)
- 2016** 03. Received the Chairman's Award from the Korea Chamber of Commerce and Industry
- 2017** 05. Selected as a designated company for professional research agents  
08. Selected as Gumi City's Company of the Month  
12. Awarded the 10 Million Dollar Export Tower Award  
Selected as a youth-friendly medium to small firm (Ministry of Employment and Labor)
- 2018** 09. Received the Iron Tower Industrial Award  
12. Received the 20 Million Dollar Export Tower Award

- 2019** 07. Establishment of With System Yeongdeok Recreation Center  
10. Establishment of With Solution  
Establishment of With Technology
- 2020** 03. Selected as a global IP star company  
Selected as an intellectual property management company  
Selected as a technologically innovative medium to small firm (Inno-Biz)  
05. Construction and relocation of new headquarters building (Gimcheon Innovation City)  
12. Received the 30 Million Dollar Export Tower Award
- 2021** 04. Selected as a global strong company  
08. ISO 45001 certification of Safety and Health Management System
- 2022** 03. Selected as a model tax-paying company (Prime Minister's Award)  
06. Construction of new semiconductor division factory (Eomo-myeon, Gimcheon-si)  
08. Development of new With System brand 'With ON'  
09. Risk assessment certification (Headquarters' workplace)
- 2023** 06. Risk assessment certification (Semiconductor factory)

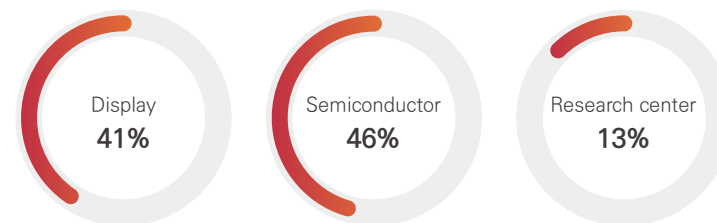
# WITHSYSTEM STORY

Current status of company

## Organization



## Personnel composition





# WITHSYSTEM STORY View of company



# 02

## WITH INNOVATION



# WITH INNOVATION Business roadmap

Expansion from Display • Factory Automation market  
to semiconductor market  
through L2 PROBE PIN

Display    Factory Automation  
Semiconductor    **Technology**



## Industrial fields

Stable expansion of business  
to various industrial fields



## Targeted clients

Expansion to display and  
semiconductor market



## Innovative technology

Targeting the global market with  
innovative technology



# WITH INNOVATION Patents and certifications



ISO 9001

ISO 14001

ISO 45001

Patents



Patents

Selection letters

Awards

30 Million Dollar Export Tower

Patents	20
Design registrations	14
Certifications	07
Selection letters	08
Awards	22



03

READY TO BUSINESS

# READY TO BUSINESS

Adding technology to display

## Display Technology



SPECIFICATION	
Model Name	W6
Testing Object	OLED, LCD module Full Test
Size(mm)	120(W) × 150+@(D) × 60+@(H)
OS	Linux



SPECIFICATION	
Model Name	A6, A7
Testing Object	OLED, LCD module Aging Test
Size(mm)	116(W) × 136(D) × 22(H)
OS	Linux

# READY TO BUSINESS Adding technology to display

## Display Technology



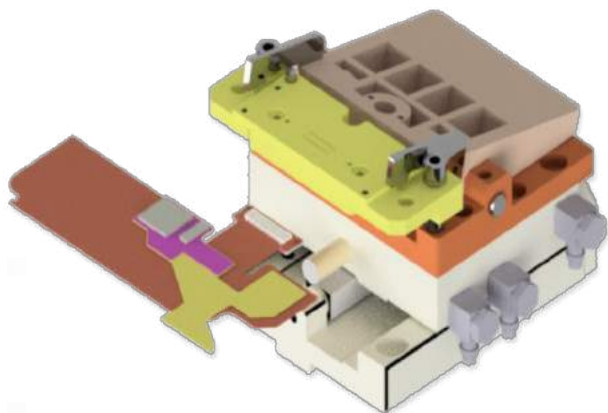
SPECIFICATION	
Model Name	V6, V7
Testing Object	OLED Cell Inspection Tester
Size(mm)	V6 : 380(W) × 378(D) × 197(H) V7 : 580(W) × 405(D) × 180(H)
OS	Firmware



SPECIFICATION	
Model Name	V8
Testing Object	OLED & LCD Cell Inspection Tester
Size(mm)	700(W) × 705(D) × 1281(H)
OS	Extension Board

# READY TO BUSINESS Adding technology to display

## Display Technology



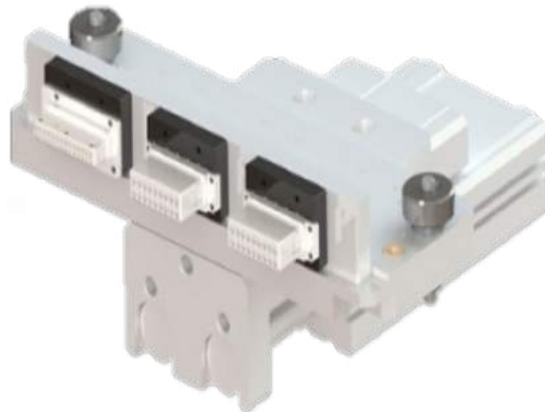
SPECIFICATION	
Name	Auto Contact Unit
Contact(%)	99% ~
Pitch	0.175mm ~
Device	Pogo pin, Blade pin



SPECIFICATION	
Name	Semi Auto Contact Unit
Contact(%)	99% ~
Pitch	0.175mm~
Device	Pogo pin, Blade pin

# READY TO BUSINESS Adding technology to display

## Display Technology



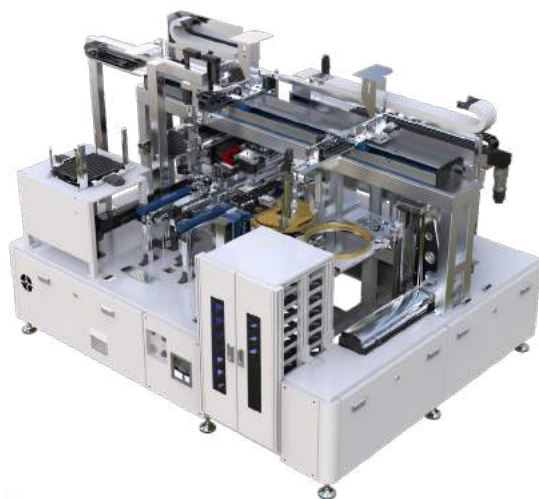
SPECIFICATION	
Name	Multi Auto Contact Unit
Contact(%)	100%
Pitch	1mm ~
Device	Pogo pin



SPECIFICATION	
Name	USB C_type Contact Unit
Contact(%)	99% ~
Characteristics	GEN2 support, 100K lifespan guaranteed
Device	Blade pin

# READY TO BUSINESS FA solution to enhance productivity

## Factory Automation Technology



SPECIFICATION	
Name	CVD Unloading M/C
Tact time	3 Sec
Size(mm)	3010(W) × 2130(D) × 2020(H)
Controller	PC Based Operating Interface

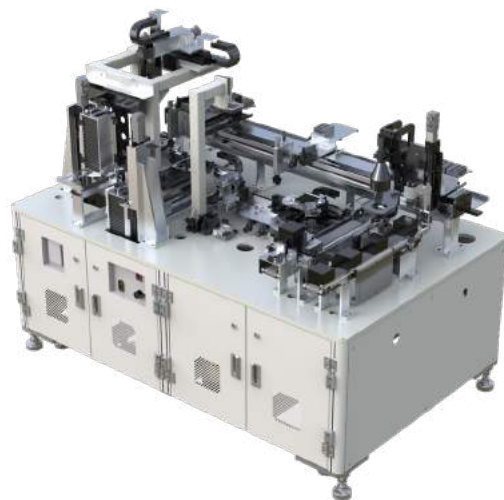


SPECIFICATION	
Name	Endmill Shrink Fit M/C
Tact time	
Size(mm)	1940(W) × 1620(D) × 2490(H)
Controller	PC Based Operating Interface



# READY TO BUSINESS FA solution to enhance productivity

## Factory Automation Technology



SPECIFICATION	
Name	Driver IC Pick & Place
Tact time	3 Sec
Size(mm)	1920(W) × 1200(D) × 1800(H)
Controller	PC Based Operating Interface

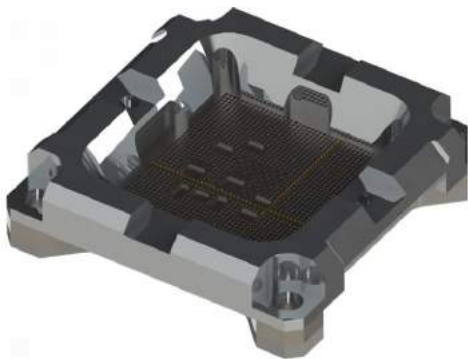


SPECIFICATION	
Name	Application Tester
Tact time	5 Sec
Size(mm)	2100(W) × 1200(D) × 1900(H)
Controller	PC Based Operating Interface

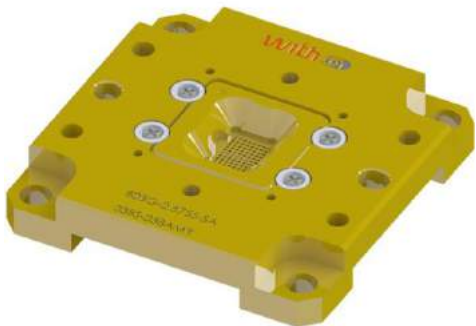
# READY TO BUSINESS

New challenge for semiconductors

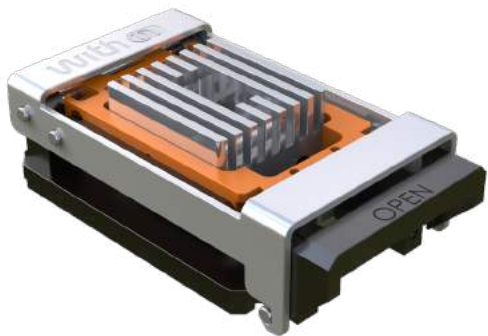
## Socket



SPECIFICATION	
Name	HYPER_SOCKET
Package Type	32 ~ 5000 BGA
Pitch	0.2mm ~ 0.8mm
Characteristics	Metal(AL material)



SPECIFICATION	
Name	BGA_SOCKET
Package Type	32 ~ 5000 BGA
Pitch	0.2mm ~ 0.8mm
Characteristics	Standard



SPECIFICATION	
Name	IDTC_SOCKET
Package Type	32 ~ 5000 BGA
Pitch	0.3mm ~ 0.8mm
Characteristics	High temperature (150°C)

# READY TO BUSINESS

New challenge for semiconductors

## Socket



SPECIFICATION	
Name	QFP_SOCKET
Package Type	32 ~ 240 Pin
Pitch	0.4mm ~ 1.0mm
Characteristics	Standard



SPECIFICATION	
Name	LGA_SOCKET
Package Type	Below 4189 LGA
Pitch	0.4mm ~ 2.54mm
Characteristics	Standard




SPECIFICATION	
Name	QFN_SOCKET
Package Type	6 ~ 100 Pin
Pitch	0.35mm ~ 1.0mm
Characteristics	Standard


# READY TO BUSINESS

New challenge for semiconductors


## Probe Pin Shapes




**M-TYPE**  
Crown 4-point




**AM-TYPE**  
Reduce-Crown




**A-TYPE**  
Conical



**R-TYPE**  
Round



**KELVIN-TYPE**  
Trisection



**KELVIN-TYPE**  
Semicircle

& ANY SHAPE



'FINE BARREL' Area

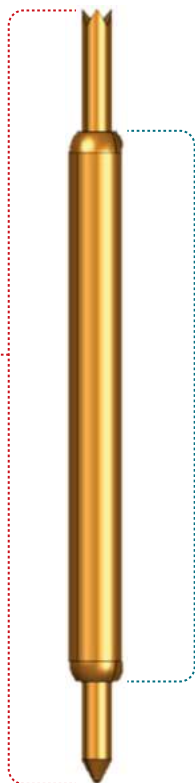
# READY TO BUSINESS New challenge for semiconductors

## Probe Pin Technology

### L2 PROBE & FINE BARREL

#### L2 PROBE

Low Force &  
Low Resistance



#### FINE BARREL

Fast & stable current transmission  
Ideally realize  
Next generation  
Evolved technology



A Au GOLD N Ni NICKEL

#### FINE BARREL Line-up

Outside diameter	Ø0.10~Ø0.40
Length	1.5~20mm ±5µm

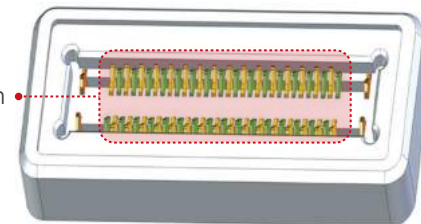
### Probe pine(EFC)solution



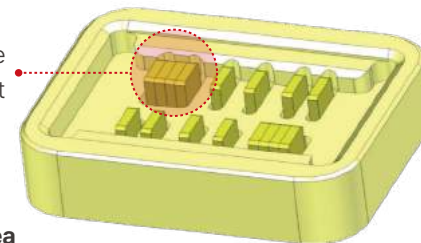
#### Customization



0.175mm pitch



Bundle\_structure  
High Current



Customize Spring Area

# 04

## WITH WITHSYSTEM





# WITH WITHSYSTEM

Innovative technology  
and expertise

Providing solutions by  
future innovative technology

## Harmony of software and hardware technology

Building corporate competitiveness and  
advancing into new industries with the  
harmony of software and hardware tech-  
nologies with low-priced, high productiv-  
ity, purely domestic technology and micro  
-unit ultra precision technology

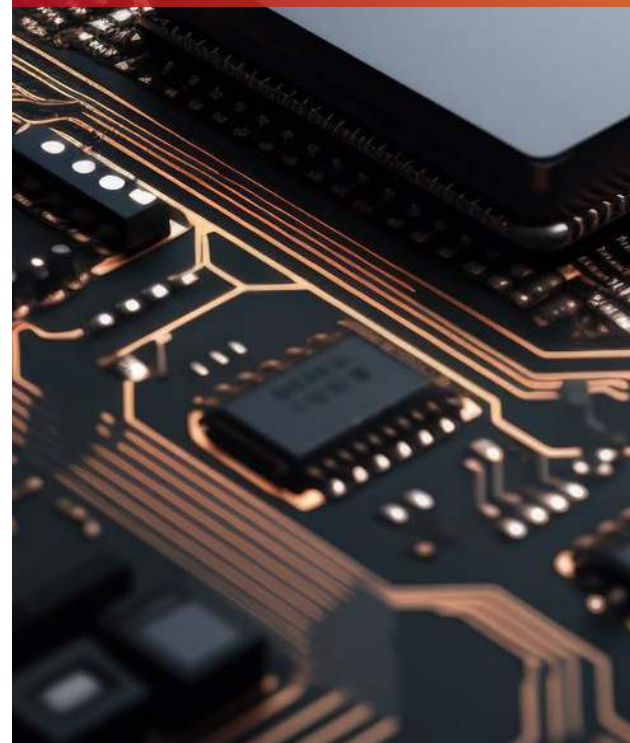


## Independent test solution com- pany used in IT fields including display and mobile

Establishment of differentiation and competi-  
tiveness with various test solutions based on  
embedded and new devices, test devices,  
automation equipment for measurement,  
ultra-precision micro contactors, JIGs, etc.

Advancing into new businesses by establish-  
ing production facilities capable of ONESTOP  
development/processing/plating/assembly/in-  
spection of semiconductor test micro pins  
(PROBE PIN), burning test sockets, SLT test  
sockets, etc.

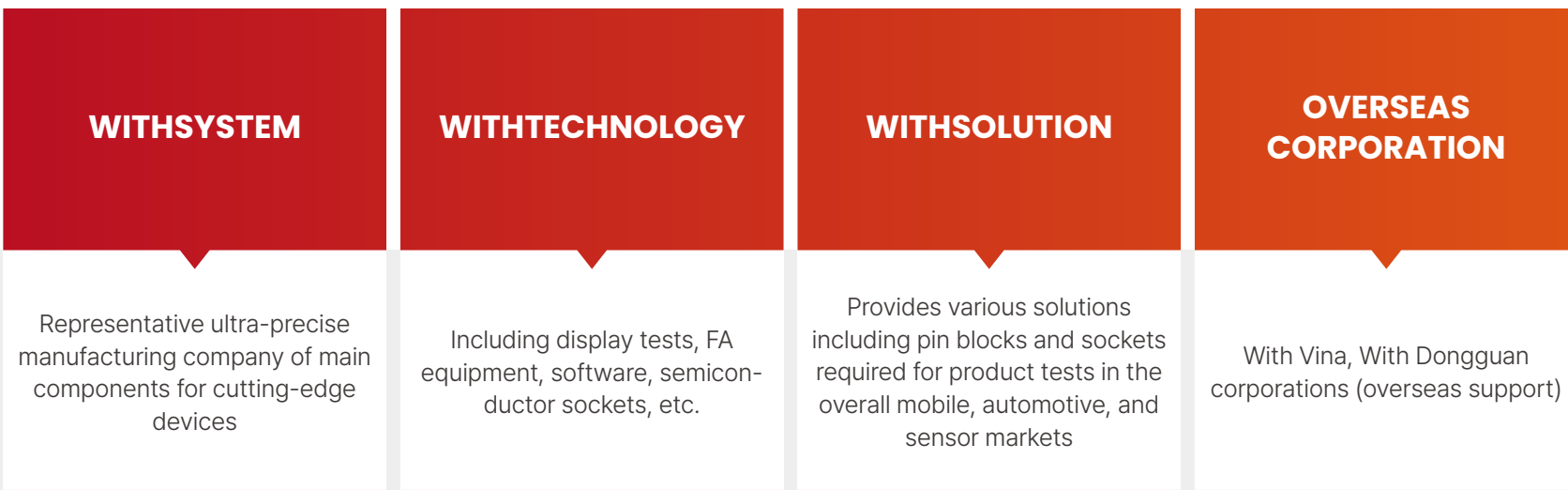
## Progress of new business from conventional display field to semiconductor market





# WITH WITHSYSTEM Innovative technology and expertise

Establishment of professional organization in various business fields



Broad business areas / Multiple patented technologies  
Establishment of facility lines / Continuous R&D and investment

➤ Strong technology and endless R&D

# withsystem Striving toward the world

Withsystem will do the best to grow into the best global company.

## withsystem

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## withtechnology

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## withsolution

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**with**system Withsystem Co.,Ltd.