



Stock Symbol: 3167

Ta Liang Technology Co., Ltd.

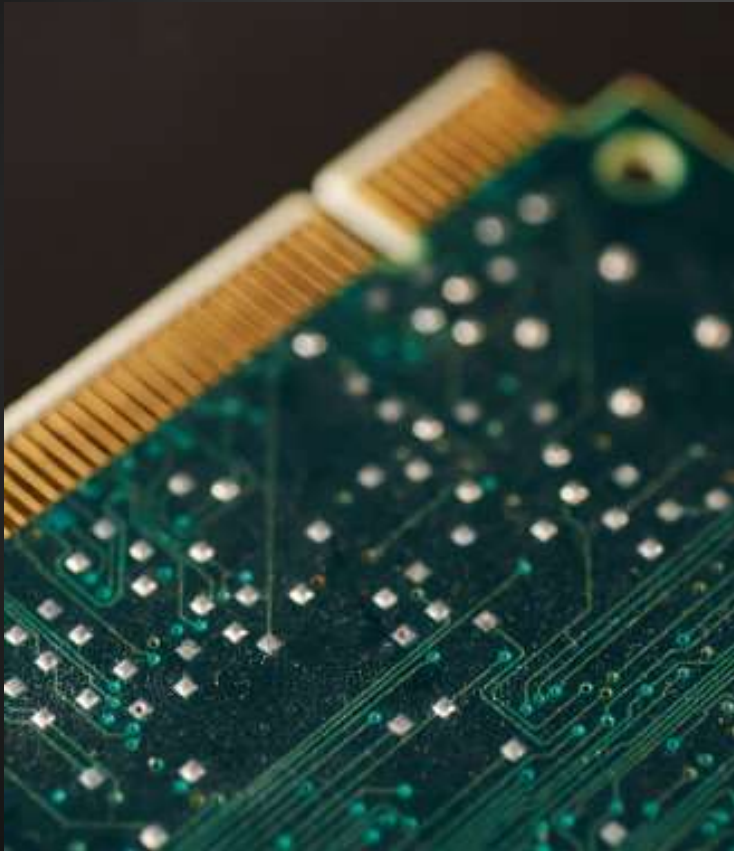


2023, Aug.



# Disclaimer

- The predictive information mentioned in this presentation, including operational outlook, business situation, etc., is obtained by the Company through internal and external sources.
- The company's actual operational results that may occur in the future due to factors including but not limited to market competition and the conditions of international economy.
- The outlook for the future in this presentation is the Company's external views until now. For these views, if there are updates or adjustments in the future, the Company is not responsible for reminding or updating again at any time.



# Company Profile



# Company Overview

Stock Symbol	3167
Capital	NTD 801,341,160
Chairman	Laurie Wang
General manager	Jerry Chen
Headquarter	No.49, Yulien St. Bader Dis. Tauyoun
Factories	Bade 、 Nanjing 、 Lianshui





# Business Scope

- Standard & High end PCB Drilling Machine
- Standard & High end PCB Routing Machine
- Automation
- Others

PCB Industry



- Metrology Series
- AOI Series
- Automation Series

Semi con. Industry



- R&D/purchasing/production/sales/service/management

TL Technology Team





# Production & Service Base





# PCB Drilling/Routing products & technology



# PCB main products

## Drilling Machine



standard



CCD series

## PCB Router



standard



CCD series

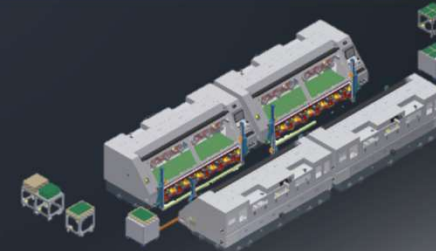


depth control

## PCB Automation



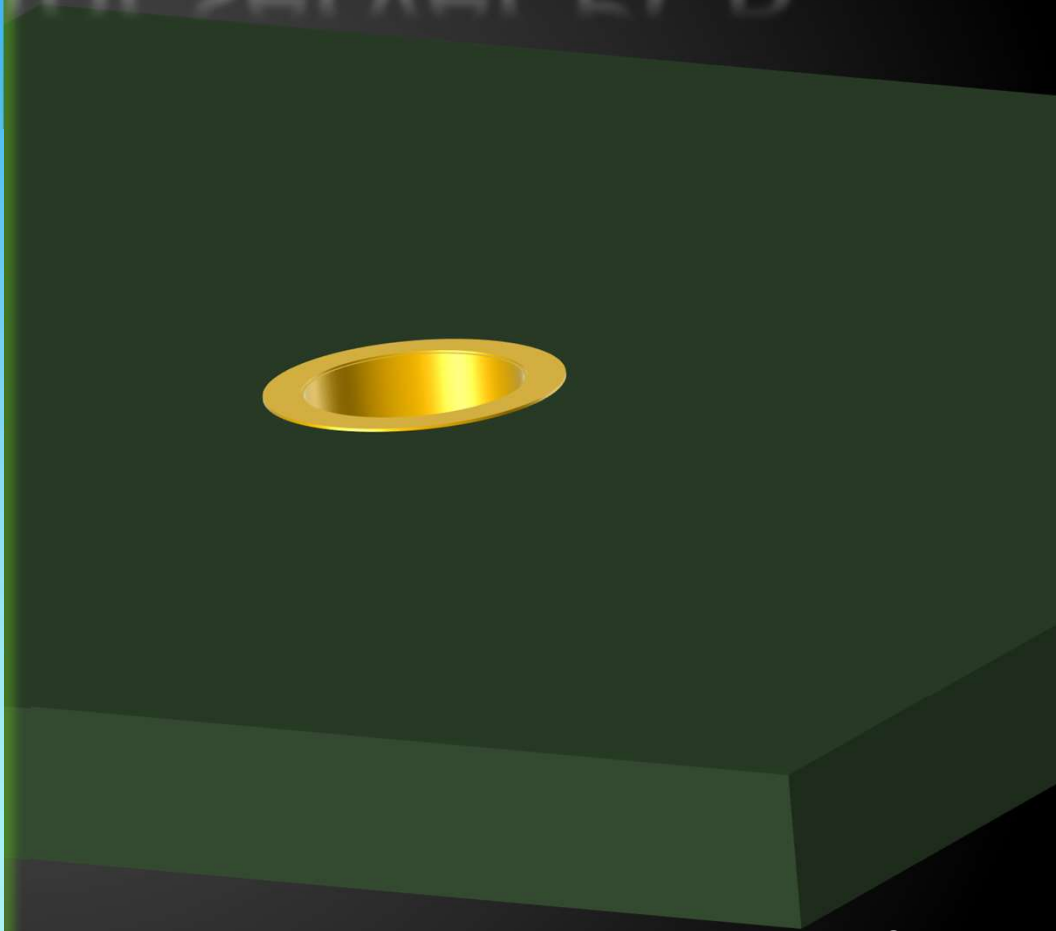
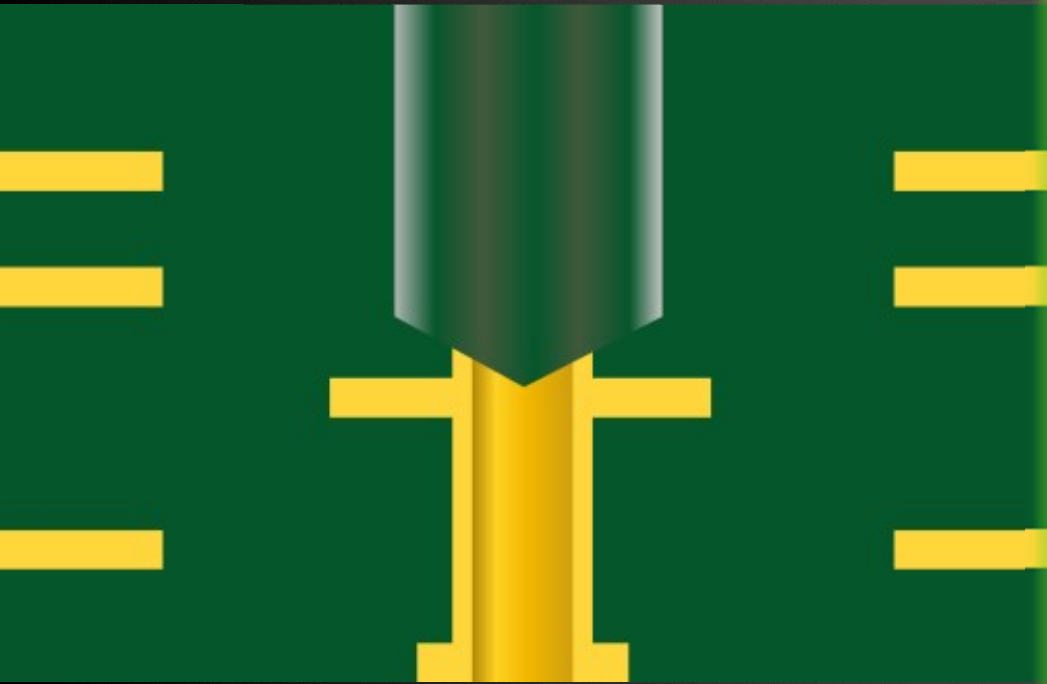
barcode drilling



6-spindles drilling machine

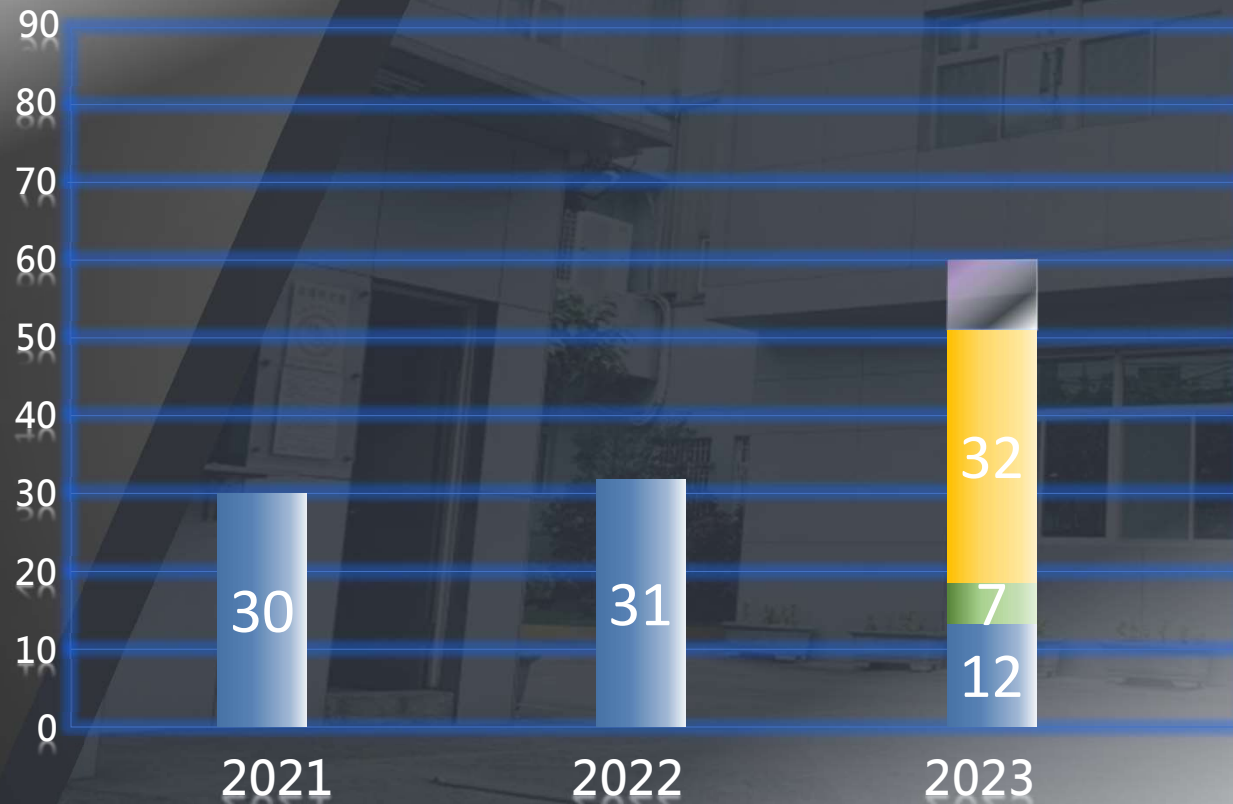


# Back drilling for server PCB





# Machines for back drilling





pos alignment

BD

OK

D = 0.2mm

Sectional view

$4\text{mil} \times 0.025 = 0.1\text{mm}$   
 $BD = D + 4\text{mil}$



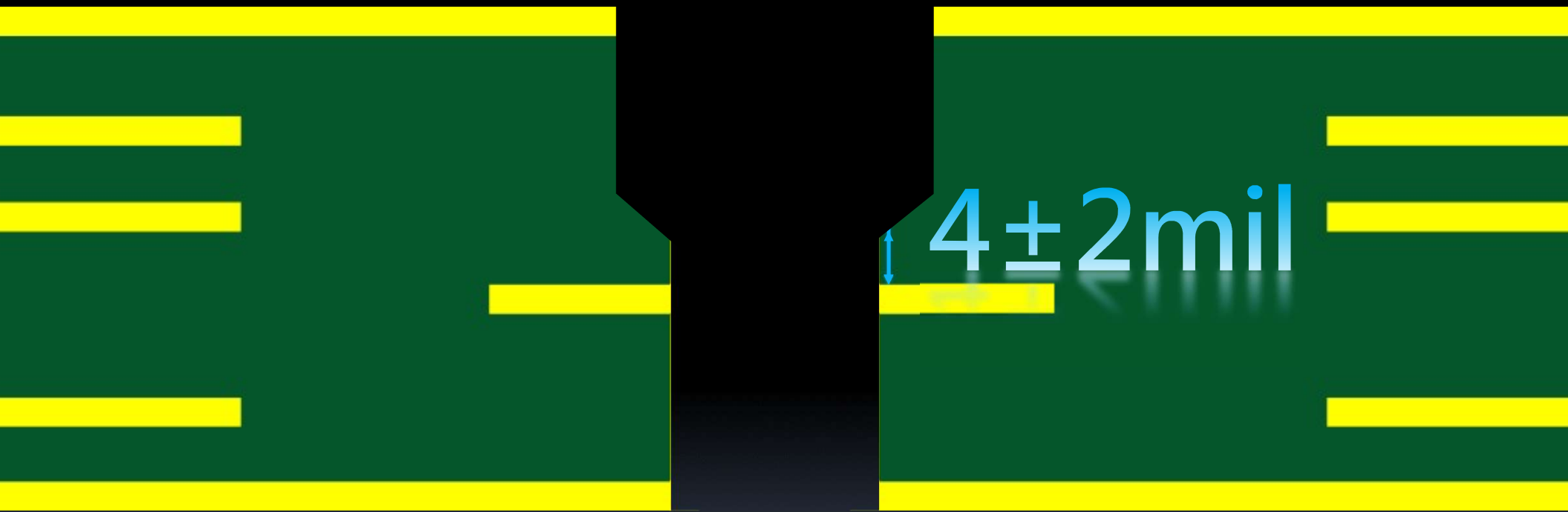
OK

BD = 0.3mm

top view



# stub length spec



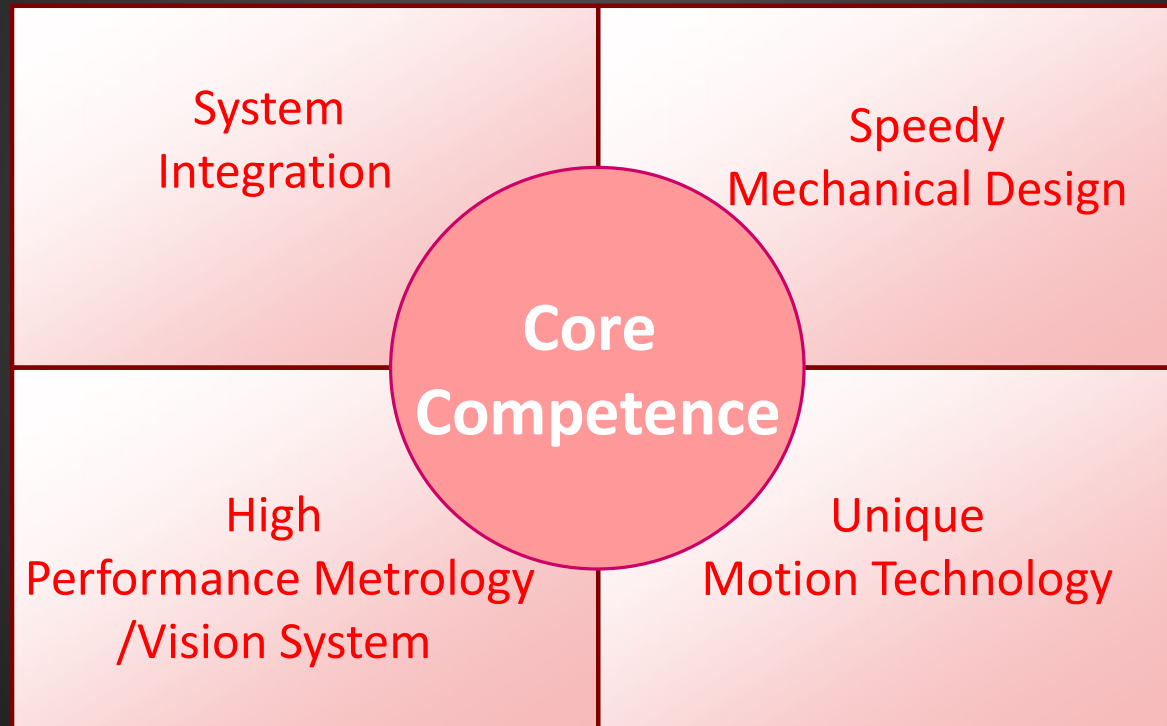


# TA LIANG Technology

## Semiconductor BU

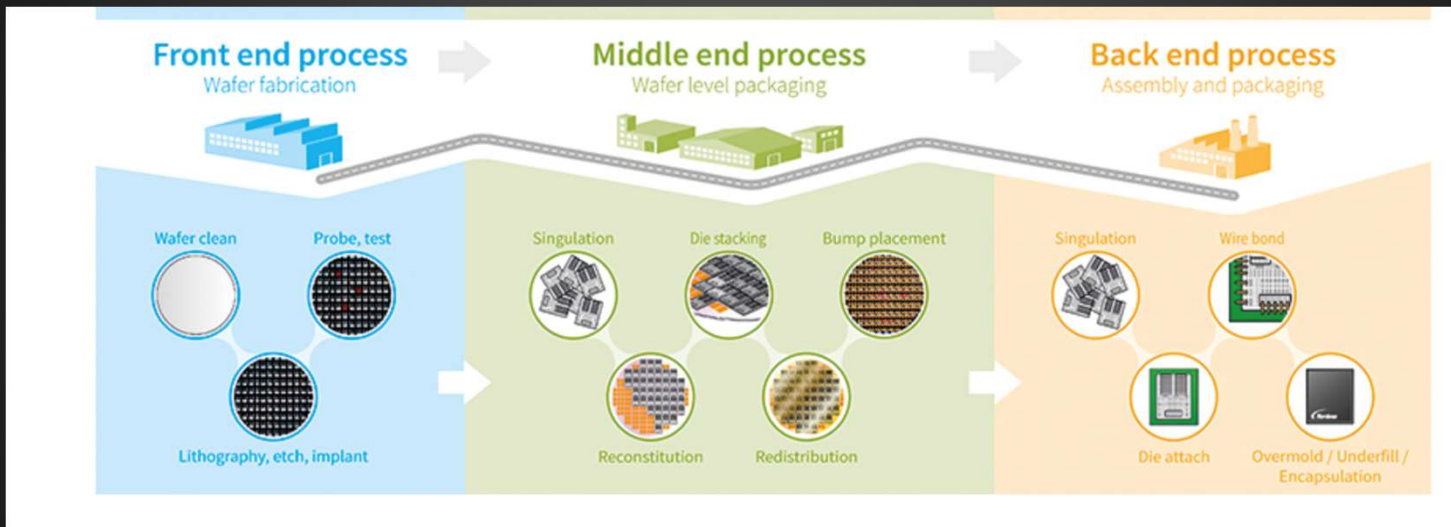


# Core Competence





# Product Line-up



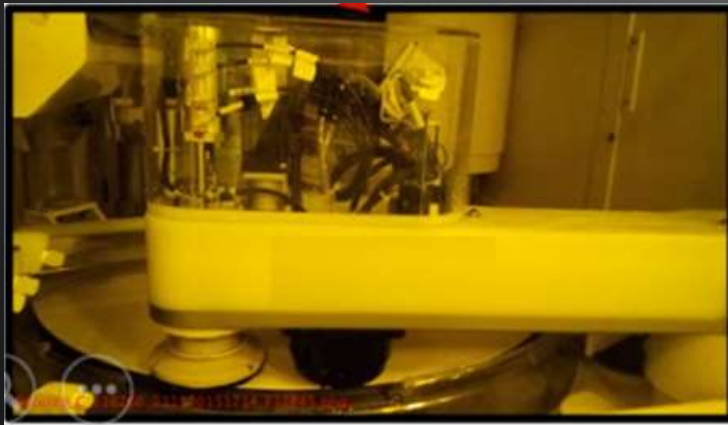
- CMP Pad Metrology
- Metrology Series

- Metrology Series
- AOI Series
- Automation Series



# Metrology Series

CMP Pad Metrology Machine



Wafer Metrology Machine  
for 3D IC Fabric







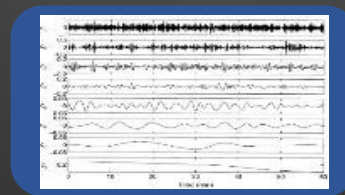
# CMP Pad Metrology

## Metrology & Analysis

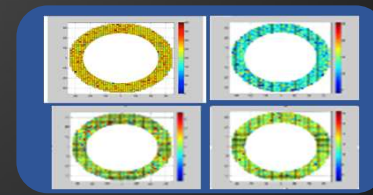
### ◆ Locus analysis & remodeling



Data Collection



In-process Data Monitor



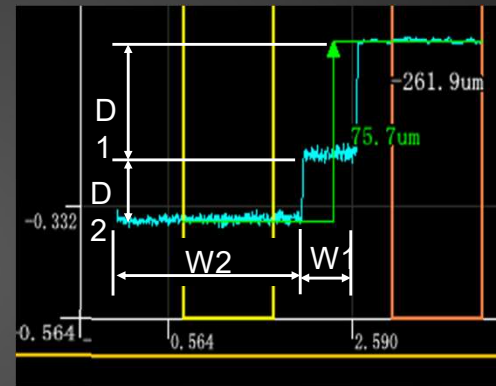
Topography Analysis



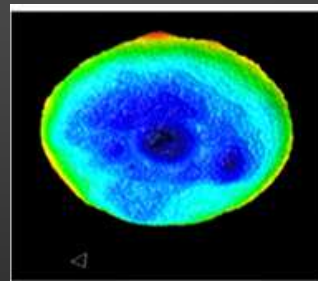
# Wafer Metrology Machine for 3D IC



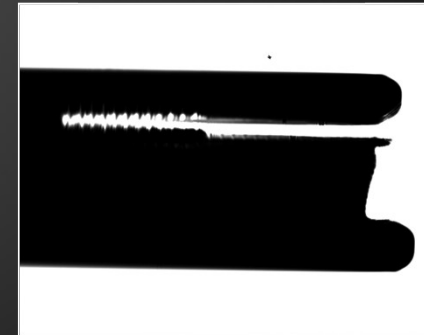
Step-Height



Wafer Flatness



Wafer Edge





# AOI Machine Series

Wafer-base AOI

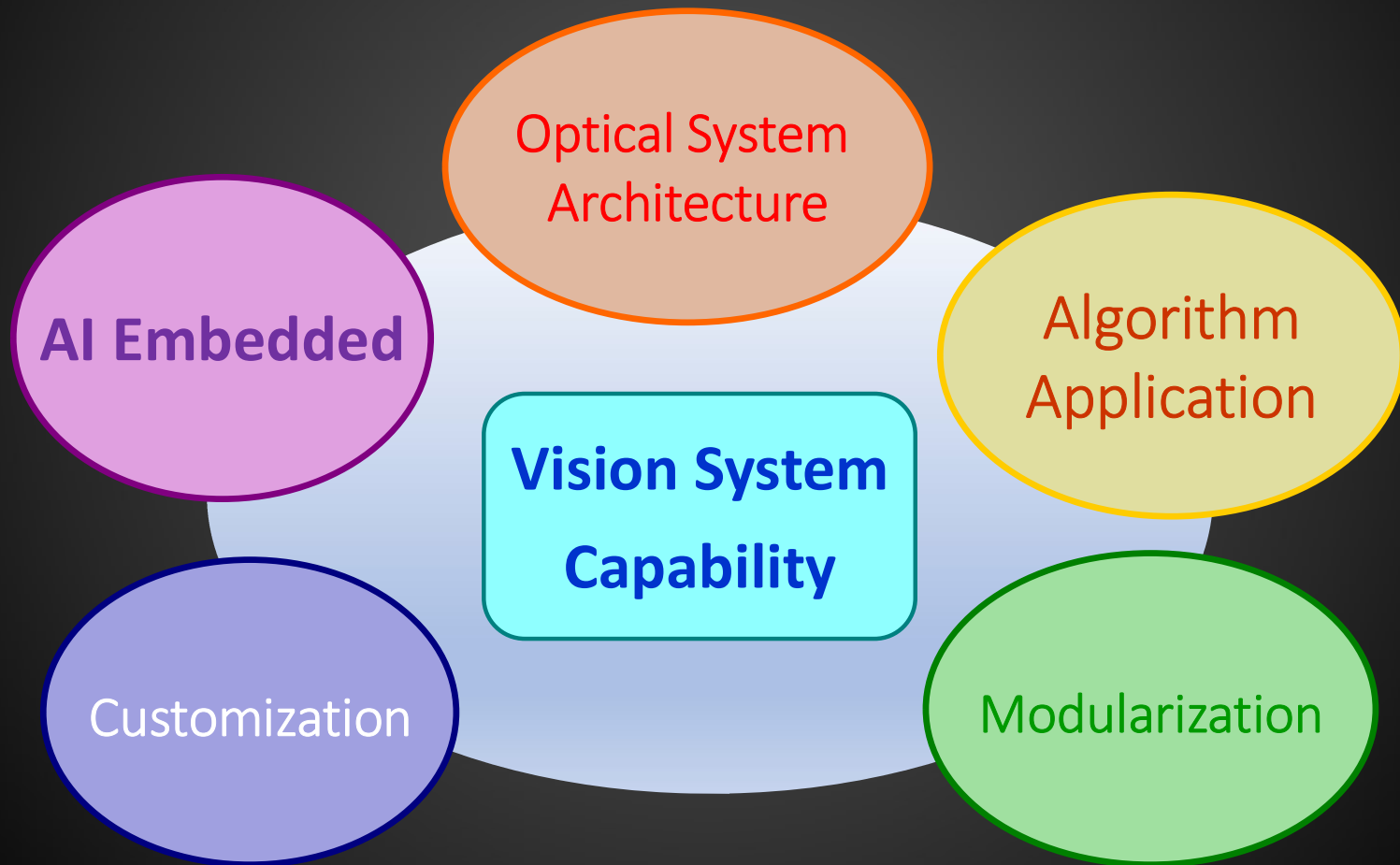


Non-Wafer-base AOI





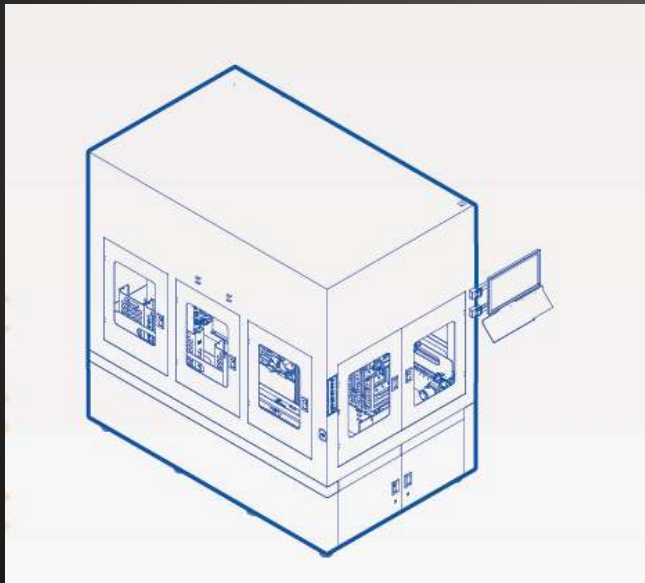
# Vision System Capability





# Automation Series

## Carrier Transfer Automation



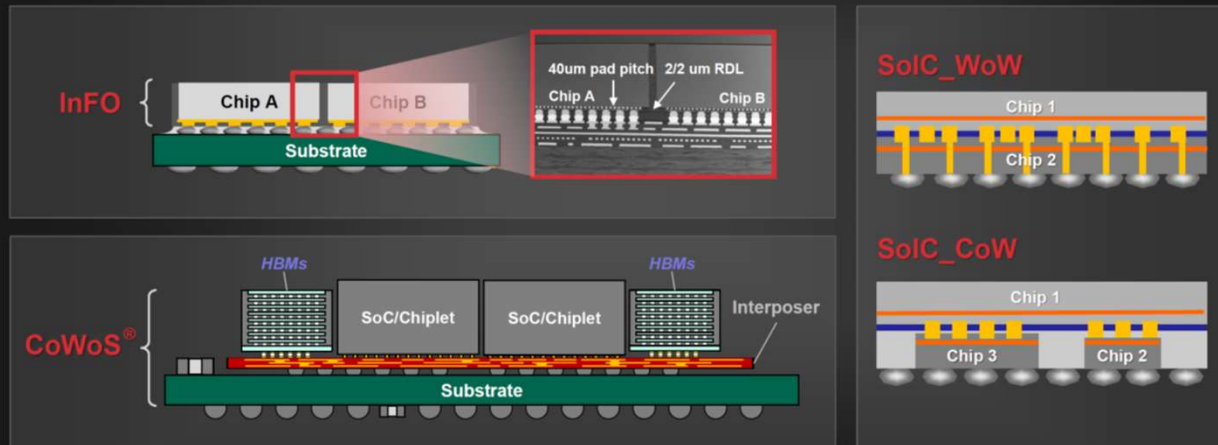
## IC Chip-Test Handler





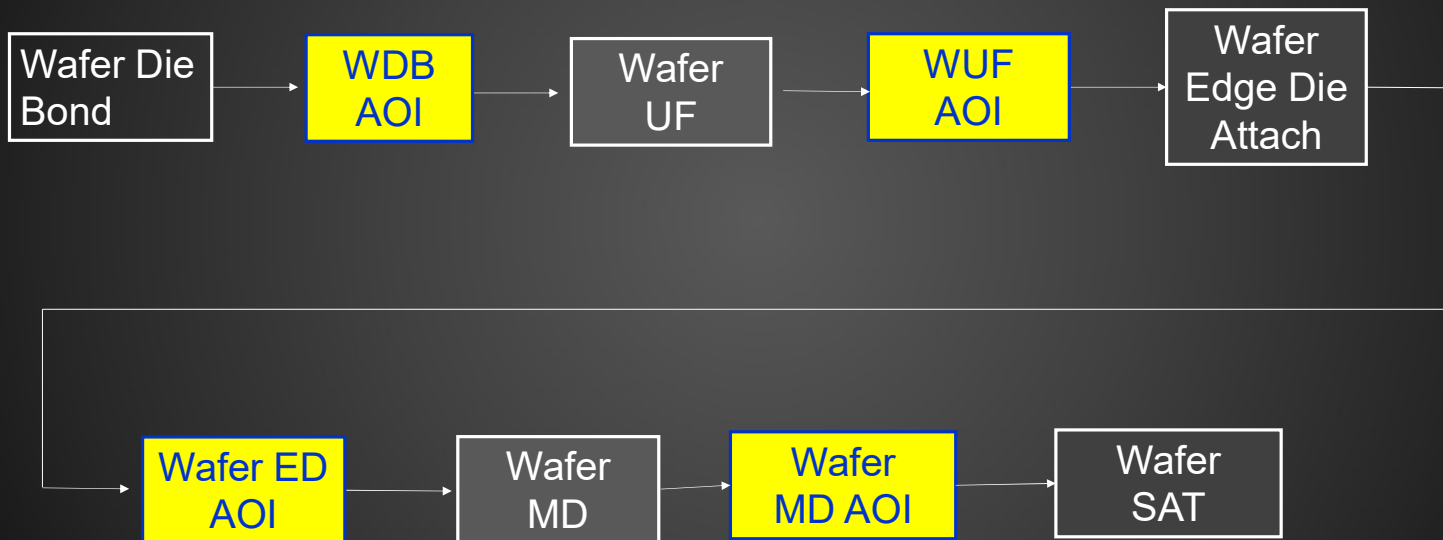
# TSMC 3D Fabric

## System Integration Using TSMC 3DFabric™



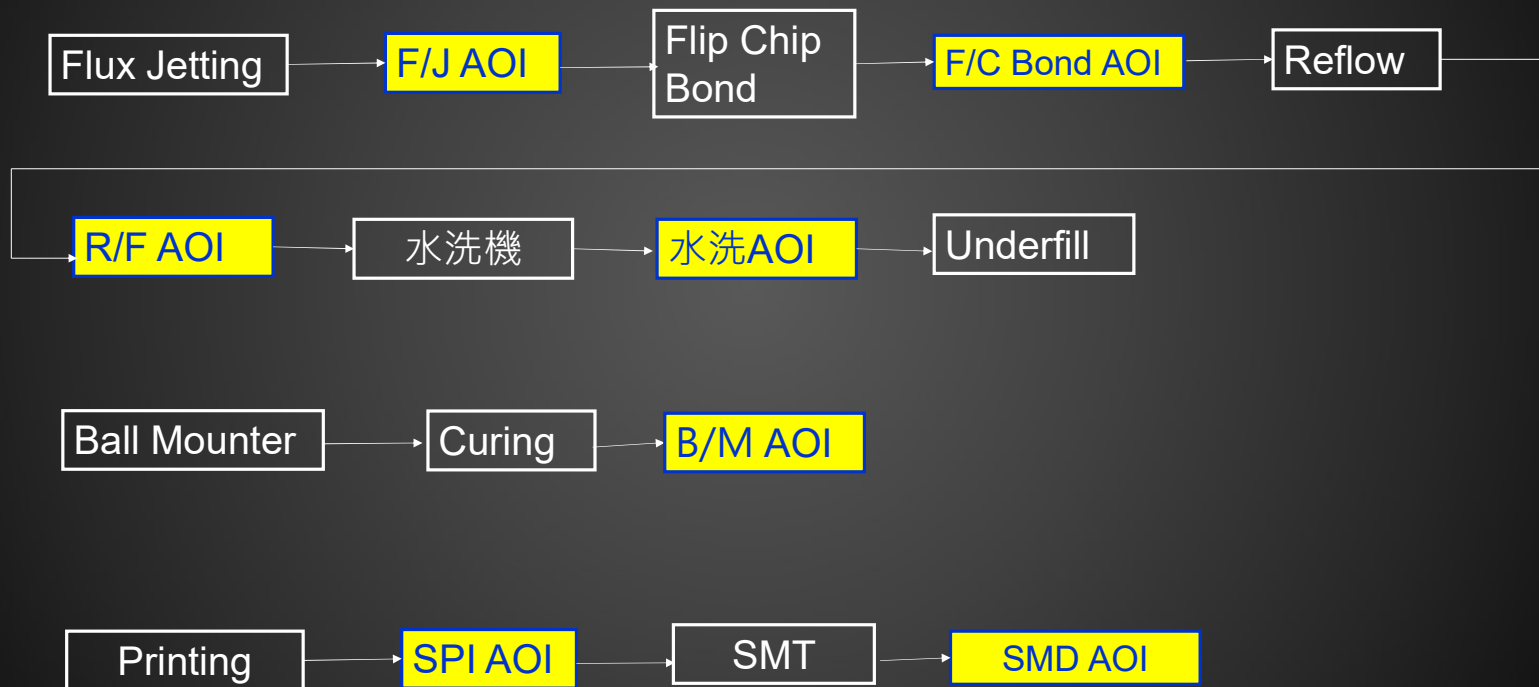


# AOI for OSAT 3D Package AOI development





# AOI for Flip Chip Package AOI development







# 3D IC Solution-Chip Stacking(FE 3D)

CMP Pad Metrology



Step-height Metrology



Bonding Wafer eMetrology





# 3D IC Solution-Advanced Package(BE 3D)

Thermal Optical AOI



Device  
Incoming AOI



Flux Jetting AOI



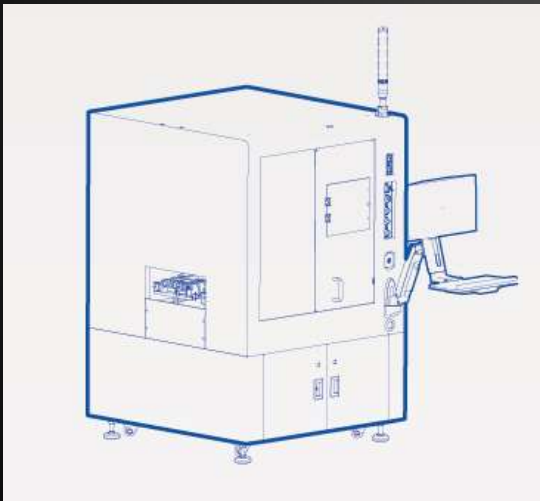
Die Bond AOI





# 3D IC Solution-Advanced Package(BE 3D)

Wafer Form AOI



R2R AOI(FVI)



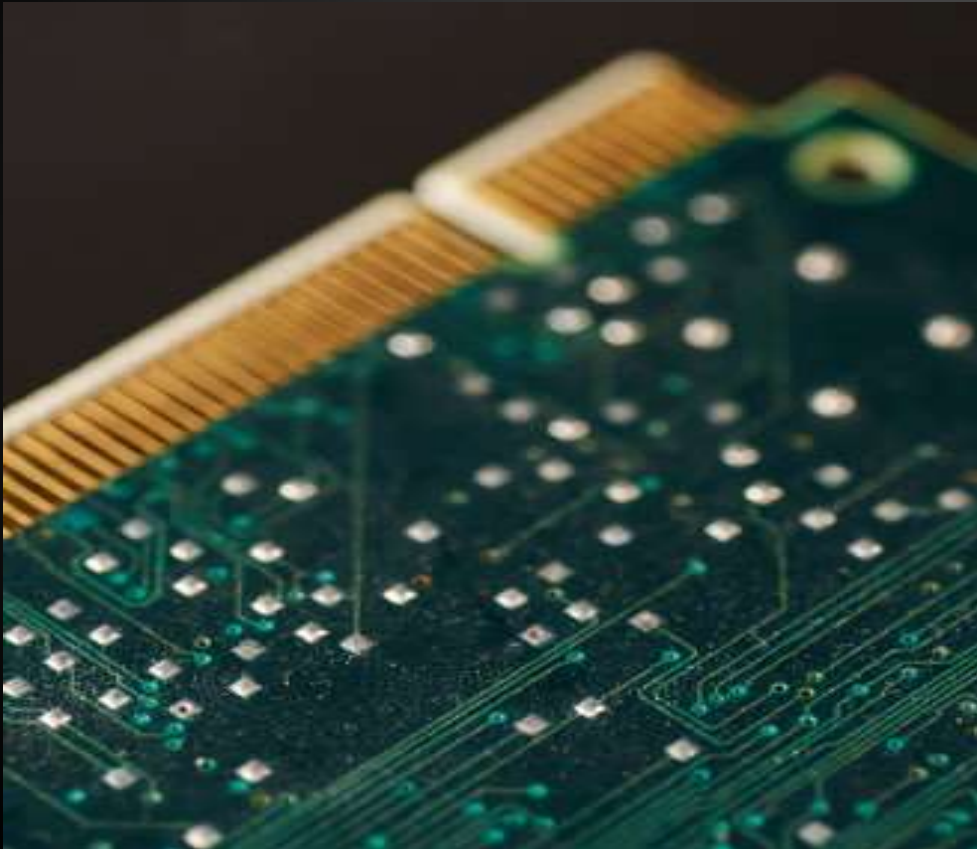
Bonding Tool Inspection





# Customer List





# Operational Performance



# Income Statement

	2023Q2 <sup>Ⓢ</sup>		2022Q2 <sup>Ⓢ</sup>		2023H1 <sup>Ⓢ</sup>		2022H1 <sup>Ⓢ</sup>	
NTD Thousand	Amount	% <sup>Ⓢ</sup>	Amount <sup>Ⓢ</sup>	% <sup>Ⓢ</sup>	Amount <sup>Ⓢ</sup>	% <sup>Ⓢ</sup>	Amount <sup>Ⓢ</sup>	% <sup>Ⓢ</sup>
OPERATING REVENUE <sup>Ⓢ</sup>	256,157	100.00 <sup>Ⓢ</sup>	690,817	100.00 <sup>Ⓢ</sup>	512,733	100.00 <sup>Ⓢ</sup>	1,442,066	100.00 <sup>Ⓢ</sup>
OPERATING COSTS <sup>Ⓢ</sup>	191,715	74.84 <sup>Ⓢ</sup>	492,093	71.23 <sup>Ⓢ</sup>	415,890	81.11 <sup>Ⓢ</sup>	1,033,417	71.66 <sup>Ⓢ</sup>
GROSS PROFIT <sup>Ⓢ</sup>	64,442	25.16 <sup>Ⓢ</sup>	198,724	28.77 <sup>Ⓢ</sup>	96,843	18.89 <sup>Ⓢ</sup>	408,649	28.34 <sup>Ⓢ</sup>
OPERATING EXPENSES <sup>Ⓢ</sup>	84,241	32.89 <sup>Ⓢ</sup>	141,673	20.51 <sup>Ⓢ</sup>	150,810	29.41 <sup>Ⓢ</sup>	276,128	19.15 <sup>Ⓢ</sup>
OPERATING PROFIT <sup>Ⓢ</sup>	(19,799)	(7.73) <sup>Ⓢ</sup>	57,051	8.26 <sup>Ⓢ</sup>	(53,967)	(10.53) <sup>Ⓢ</sup>	132,521	9.19 <sup>Ⓢ</sup>
NON-OPERATING INCOME AND EXPENSES <sup>Ⓢ</sup>	32,280	12.60 <sup>Ⓢ</sup>	193,414	28.00 <sup>Ⓢ</sup>	38,561	7.52 <sup>Ⓢ</sup>	224,535	15.57 <sup>Ⓢ</sup>
NET PROFIT FOR THE PERIOD <sup>Ⓢ</sup>	5,103	1.99 <sup>Ⓢ</sup>	217,094	31.43 <sup>Ⓢ</sup>	(18,299)	(3.57) <sup>Ⓢ</sup>	307,105	21.30 <sup>Ⓢ</sup>

**Thank You!**

**Ta Liang Technology Co., Ltd.**