

A dark blue world map with white outlines of continents and countries. A yellow dot is placed on the island of Taiwan. A vertical yellow line is positioned to the left of the dot, and a horizontal yellow dashed line extends from the top of this vertical line to the dot. The text 'Taiwan' and 'SITE OVERVIEW' is centered over the map.

# Taiwan

SITE OVERVIEW

**JABIL**

# Taiwan

## AREA OVERVIEW

- Strategically located at the junction of the East and South China Seas in the northwestern Pacific Ocean, Taiwan to the northwest, Japan to the northeast, and the Philippines to the south.
- Taiwan has a population of around 24 million and is one of the most technologically advanced computer microchip and high-tech electronics industry makers in the world.
- Language: Traditional Chinese
- Currency: New Taiwan Dollar (TWD) 1 USD = 30 TWD (March 2025)
- GDP per capital: USD 38,066 (2024)
- FDI: USD 7.86 billion (2024)



# Location

Jabil's manufacturing sites are in Taichung and Changhua with design centers located in Taipei and Hsinchu.

Jabil in Taiwan offers specialized expertise ranging from mechanical and optics design, cutting-edge precision machining, molding, tooling and consumer-facing material science research and development.

Taiwan's integrated solutions empowers leading global brands to engineer, build and ramp some of the most innovative and complex products in the world.



Specialized technical expertise

Innovative and customized manufacturing solutions that optimizes efficiencies, manage complexities and mitigates operational risks

Rapid prototype for accelerated product introductions

# Site Layout



**TAICHUNG**  
(DAYA PLANT)

574,028  
SQUARE FEET



**TAICHUNG**  
(BADE PLANT)

27,136  
SQUARE FEET



**CHANGHUA**  
(PLANT)

202,145  
SQUARE FEET

# Taiwan Site Overview

Jack Chen  
OPERATIONS DIRECTOR

Christine Tsai  
Dragon Chang  
OPERATIONS MANAGERS



1979  
YEAR ESTABLISHED

2000+  
TOTAL EMPLOYEES

8033,00+  
TOTAL SQUARE FEET

## CAPABILITIES

- Automation
- Assembly
- Machining
- Mechanics
- Molding
- Optics
- Tooling

## CERTIFICATIONS & REGISTRATIONS

- ISO 13485
- ISO 9001
- ISO 14001
- ISO 45001
- ISO 50001
- Taiwan AEO Certificate
- CE Certificate – SIM CELL Modular Machine

# Product Experience



## CONSUMER

- Smart Phone Component
- Phone Accessories
- Wearable Tech
- AR/VR Devices
- Experiment Technology/Product
- Inter-Company Tools/Jigs/Cutter
- Optical Lens
- Composite Materials Product



## HEALTHCARE

- Healthcare Devices/Components
- CTC Chip
- Portable PCR Chip
- Cell Culture Application
- Reagent Dispensing Chip
- Customized Consumables

# Product Experience



## DIGITAL COMMERCE

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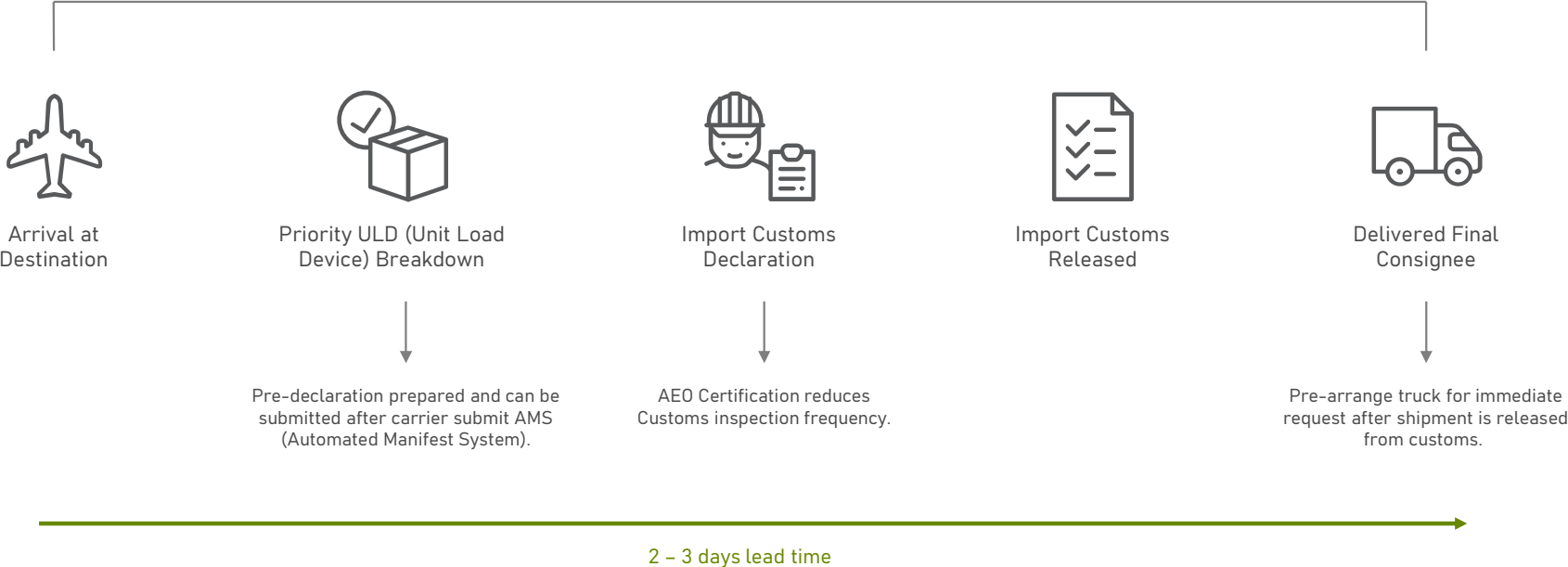
- Retail Labeling Automation

# Logistics Inbound

Products “Made in Taiwan” are not affected by U.S.-China trade war tariffs

AEO certification will reduce the customs inspection frequency

## STANDARD SHIPMENT FLOW



# Logistics Outbound

## CUSTOMS PERMITS



- Export to all country with ZERO TARIFF
- Jabil Taichung AEO certification



## EXPORT ZERO TARIFFS

International transportation: Foreign transport enterprises engaging in international transport within the territory of the R.O.C. shall qualify for the zero-tax rate only on reciprocal treatment, or exemption from similar taxes, is given to international transport enterprises of the R.O.C. by the foreign country in which the foreign enterprise is incorporated.

### Taipei Air Export Process



- Booking**
- Shipper places booking
  - Forwarder books space with airline



- Cargo Receiving**
- Pick up per ready date/time
  - Forwarder Airport staff checks physical condition and markings/label.
  - Labeling MAWB/HAWB#



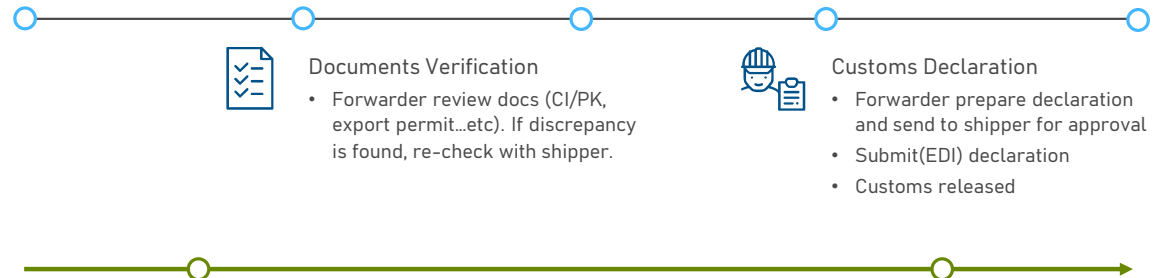
- Confirm On Board**
- Monitors freight uplift schedule and update destination team timely



- Documents Verification**
- Forwarder review docs (CI/PK, export permit...etc). If discrepancy is found, re-check with shipper.



- Customs Declaration**
- Forwarder prepare declaration and send to shipper for approval
  - Submit(EDI) declaration
  - Customs released



1 - 2 days lead time



## Additional Site Information

**JABIL**

# Taiwan Plastic Capabilities

- Thin Wall Injection Molding
  - 2-Shot Injection Molding
  - Micro Texture Injection Molding
  - Mini Injection Molding
  - Insert Injection Molding
  - Over Injection Molding (IMD/IML/IMF)
  - Optical Inject Molding (VR/AR/Lens)
  - Liquid Silicon Rubber (LSR)
  - Pad Printing
  - Silk Screen Printing
  - Ultrasonic Welding
  - Heat Staking
  - Dispensing
  - Gluing
- Laser Engraving
  - Electrical Test
  - Air tightness Test
  - Assembly
  - Ultrasonic Cleaning
  - GTO
  - Plastic CNC
  - Automation
  - Optical Measurement Machine (OMM)
  - Coordinate Measuring Machine (CMM)
  - 3D Laser Scanning Microscope
  - Color/Micro-gloss Meter
  - XRF (RoHS )
  - Humidity & Temperature Test
- Thermal Shock Test
  - UV Test
  - Water Bath & Water Circulator
  - Pencil Hardness Test
  - Rod Test
  - Pull/ Push Test
  - Martindale Test
  - Wear and Abrasion Test
  - Impact Test
  - Melt Flow Index Test
  - Rheometer (Viscosity)
  - Hardness Test (short A)
  - Moving Die Rheometer



# Taiwan Tooling Capabilities

With expertise in mold design, advanced machining, and self-developed smart manufacturing systems, consistently delivering high-quality molds on time.

- Mold Flow Analysis
- Tool Design
- Computer Aided Manufacturing
- Computer Numerical Control
- Electric Discharge
- Wire Electric Discharge
- CMM Inspection
- Polish
- Assembly
- Smart manufacturing System

Dedicated to continuous innovation, we enhance our capabilities to provide an extended range of options and services.

- High-Precision Mold
- Multiple -Cavities Mold
- Optics Mold (VR/AR/Lens)
- Insert Mold (IMD/IML/IMF)
- LSR Mold (Single/Multi-Shot)
- Rapid Mold & Pilot Mold
- Micro Mod
- High-Tonnage Mold
- Cold Punching Mold
- Fixture & Gauge manufacturing



# Taiwan Cutter Capabilities

- One-stop Solution Service
- Inhouse Cutter Design Capability
- Fully Customization Service
- Inhouse PVD Coating Capability
- Self – validation and Qualification Service before Shipment
- Cutting Parameters Suggestion Capability



# Taiwan Automation Capabilities

- Molding Experience & Machine Design
  - Automation Solutions Providing
  - High Volume / High Mix / Low Volume
  - Design, Development & Deployment
  - NPI Ramp Up Support at Automation
  - High-Level Complex Assembly & Integration
  - Machine Vision Automation
  - Build-to-Print (BTP)
  - Reconfiguration for Standard Modules
  - Automation Architecture Evaluation Support
  - Assembly Process Validation
- Automation lines monthly capacity:
    - 6 Auto Lines (20 JAGs Per 1 Line) in the same period
  - Single Station / Multi-Process Modules
    - Customized Machine Application
    - Standardized Module Solution
  - Localized Procurement and Cooperated with Supply Chain
  - Service Design and Fabrication Support
  - Software Control Design and Integration
  - Smart Connectivity to Manufacturing System
  - Automated Optical Inspection
  - Injection Molding Technology Automation
  - Worldwide Support (Asia/Americas/Europe)



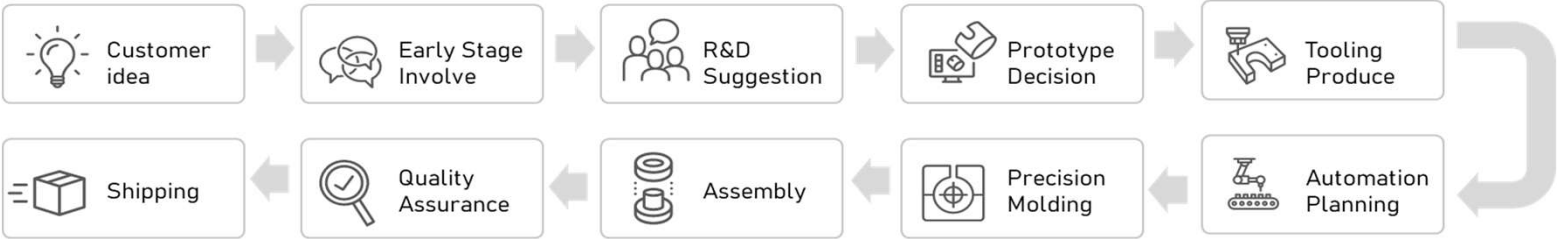
# Taiwan Cold Plates Capabilities

- Technology transfer from Jabil Mikros
  - Build-to-Print (BTP)
  - OEM Manufacturing for Scaling up
  - Automation Solutions for Loops Assembly
  - Process Development with Quality Management
  - NPI Ramp Up Support with Automation
  - Automated Inspection and Measurement
  - Failure Analysis and Yield Improvement
  - Liquid Cooling Loop Assembly Process Validation
- Cold Plates Production Line Capacity:
    - NPI Line – 1000 loops per Month
  - Localized Procurement with Collaboration with Supply Chain
  - Reliability Test and FAE Support
  - Smart Connectivity to Manufacturing System
  - Dashboards at MES system with Traceability
  - CNC Machining and Tube Bending
  - End to End Manufacturing Process
  - EHS & Facility & Security in Operation
  - Quality System (IQC/IPQC/OQC/SQE/CS)



# Site Features

Realize Customer's Idea to Mass Production by gather relevant resources in one site.



# Transportation Modes



DQA

## DEFAULT SETUP



PD

## JOINT DESIGN SERVICE

Complete ME/HW design capabilities for mobile internet devices – ID, ME, CAE, Baseband, RF, antenna, ECAD, QA, PM, prototype validation and manufacturing test development



TD

## FUNCTIONAL VERIFICATION

RF, acoustic, firmware programming for mass production test control to → make sure all products produced in target spec.

## RELIABILITY VERIFICATION

Material / product durability special requirements

# Technology Overview

## Laser Technology

- Laser Selective Plating (LSP)
- Laser Drilling (LD)
- Laser Engraving (LE)



## Functional Integration

- Woven Fiber Over-molding
- Composite Over-molding (COM)
- Hybrid Molding Technology
- Liquid Silicon Rubber (LSR)
- Low Pressure Molding (LPM)
- Mini & Micro Molding



## Visual Decoration

- Tactile Digital Printing (TDP)
- Out Mold Release (OMR)
- Three Dimension Overlay Method (TOM)
- IML/IMF (In Mold Labeling/Forming)
- Aluminum Photonic Crystal (APC)



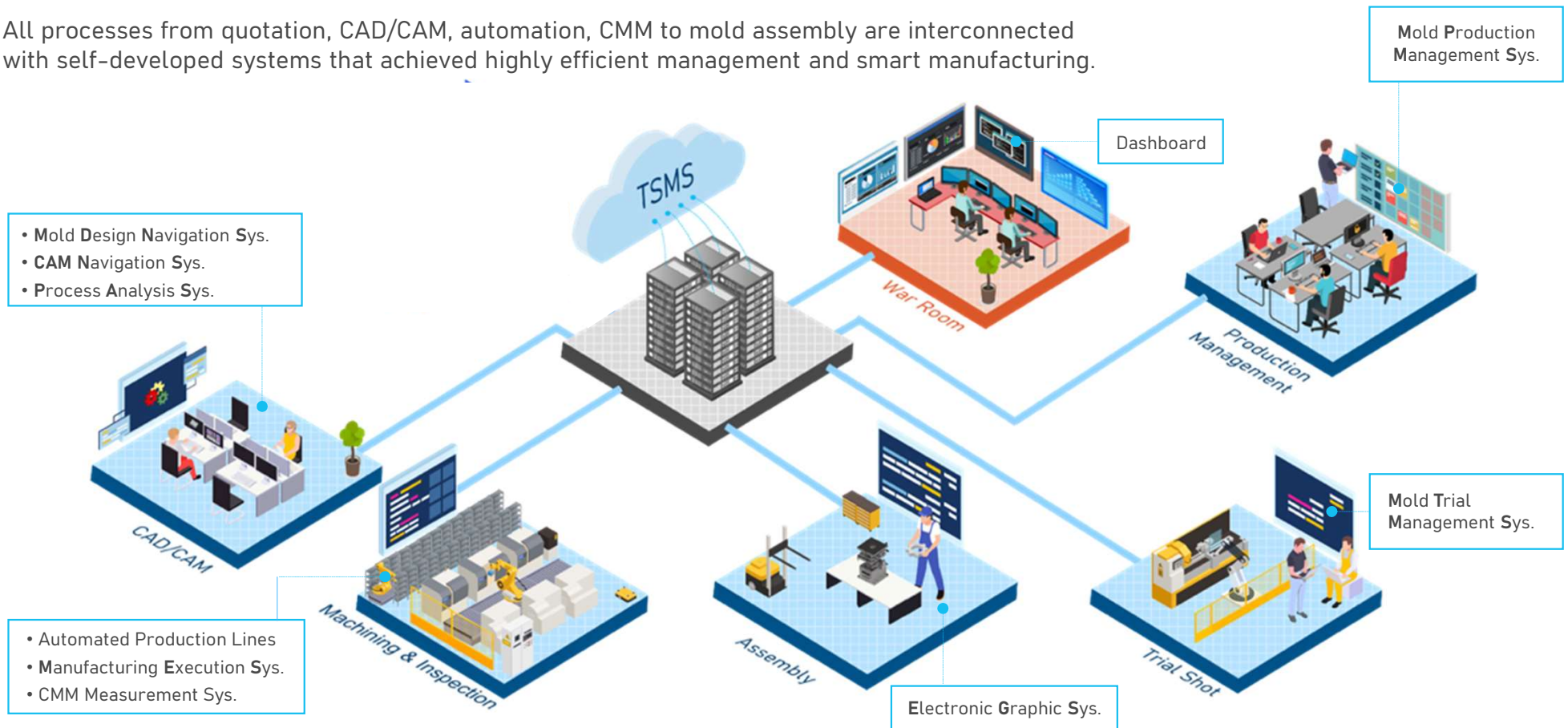
## Others

- Fresnel Lens & Lens Units
- Metal Injection Molding (MIM)
- Ceramic Injection Molding (CIM)



# Tooling Smart Manufacturing System (TSMS)

All processes from quotation, CAD/CAM, automation, CMM to mold assembly are interconnected with self-developed systems that achieved highly efficient management and smart manufacturing.



# Tooling Manufacturing Process



# Plastic Capability

## Multi-Shot Molding

- Liquid Silicone Rubber
- PC/TPE/TPU/TPC
- Glass Fiber

## Insert Molding

- Glass
- Glass fiber board

## Plastic Decoration

- Painting
- 2D/3D Laser Etching
- Ink Filling
- Plating
- GTO

## Optical Lenses

- Lens
- Optical Coating

## CNC

## Assembly



# LSR Injection / Process

## Multi-shots

Insert molding and variety material injection molding

- Plastic + LSR
- LSR + LSR
- Plastic + Metal + LSR

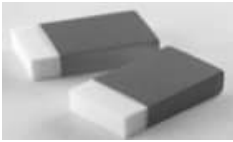


## Self-bonding LSR

- No primer required (environment friendly)
- Fast curing LSR to achieve aggressive CT and efficient process development
- Lean production

## Soft-touch Coating

- One-stop supply chain management including soft-touch coating process.



Sticky feeling



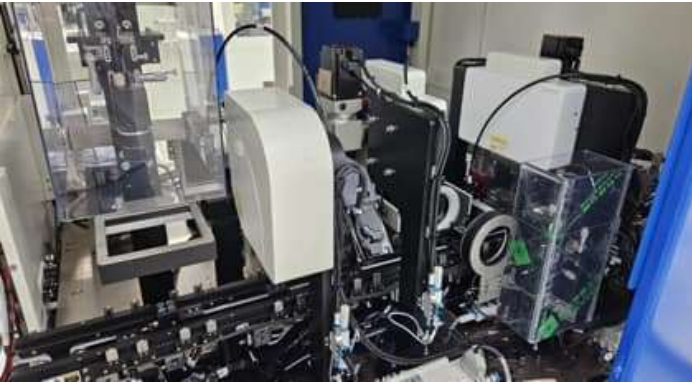
Baby skin feeling

## Color / Cosmetic

- Precise color matching
- Outstanding color and cosmetic control through full process



# Automation Product Types



- **Taiwan Automation** is the automation development center located in Changhua Taiwan, specializing in advanced automation equip and End-of-Arm Tooling (EOAT).
- The Changhua facility is capable of producing hundreds of machines annually, supported by a strong foundation of technical expertise. We help customers accelerate innovation, achieve reliable production, and successfully bring products to market with efficiency and confidence.
- Backed by Jabil's global network of more than 100 strategic sites, we deliver **end-to-end solutions** that integrate design, manufacturing, supply chain, and product management across diverse industries. Acting as a single point of accountability.

## Automation Solutions

- ✓ Equipment Design & Development
- ✓ Equipment Manufacturing & Assembly
- ✓ System Integration & Testing
- ✓ Service & Continuous Optimization

# Liquid Cooling Cold Plates Manufacturing

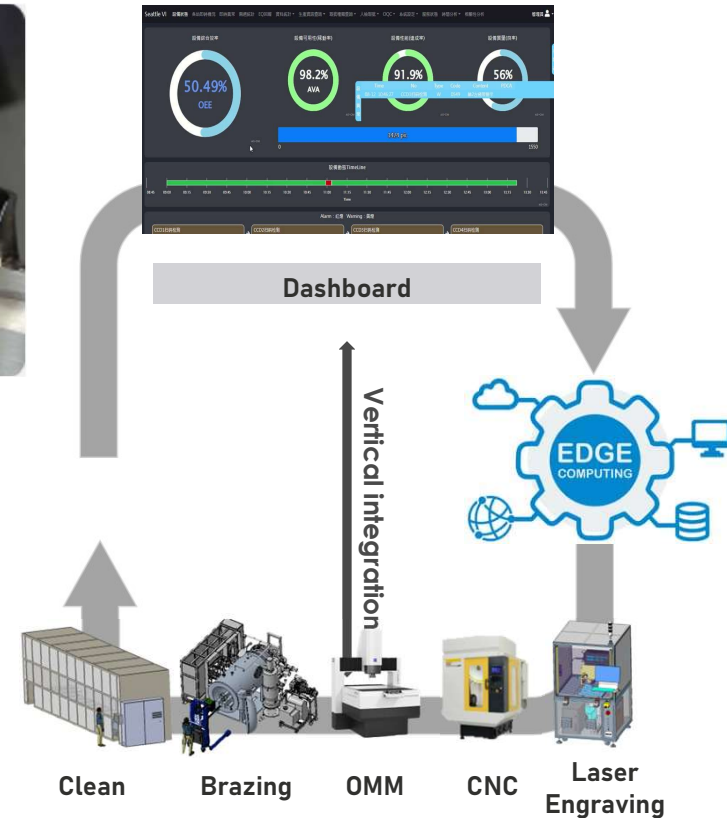


**Changhua Plant** is a key hub for cold plate production and advanced automation solutions. The facility specializes in high-precision manufacturing, smart engineering and automated solutions to support next-generation thermal management applications.

With the capability to produce high-volume cold plates annually, the Changhua facility is good at process optimization and precision assembly backed by deeply collaboration with technical expertise in Jabil Mikros.

## □ *Liquid Cooling Cold Plates Manufacturing*

- ✓ CNC machining, Vacuum Brazing, Tube Forming, Grinding
- ✓ Cold Plate production and Cooling Loop Assembly & Testing
- ✓ Service & Continuous Optimization



# Cutter Capability Overview



## Grinding Machines

**9**

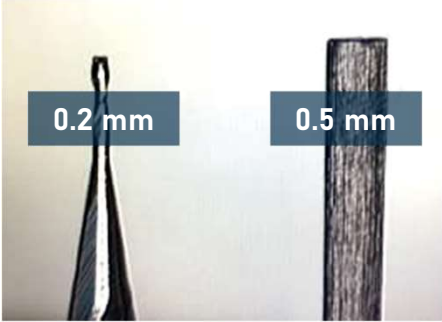
units



## Max Capacity

**28k**

pcs/month



## Diameter Range

**0.2~32**

mm



## Quality

**100%**

Dimension inspection

# Site Imagery

