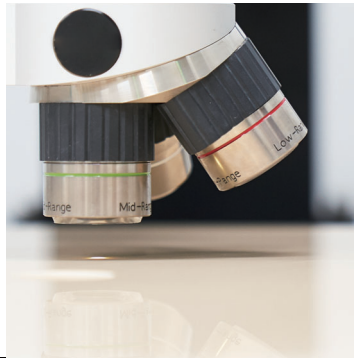
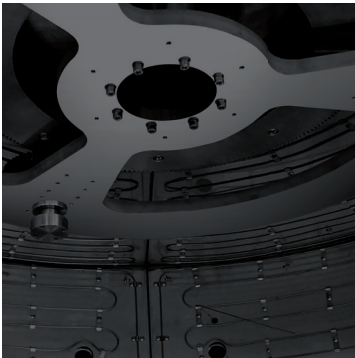




Semiconductor  
Chamber Parts

# Precision Cleaning & Protective Coating



Semiconductor  
Chamber Parts  
Precision Cleaning  
Protective Coating



# Why CINOS?



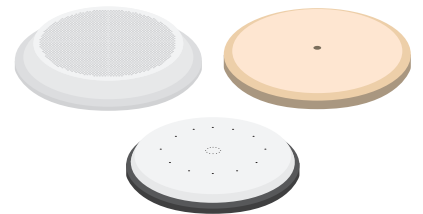
**18.3**  
CAGR (Unit : %)

**971,090**  
2022 Cleaning & Coating Parts (Unit : EA)



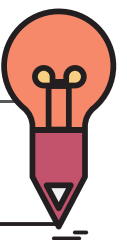
**738**

Employees (Unit : Persons)



**39**

Cleaning & Coating  
Professional R&D Staff  
(Unit : Persons)



**69**

Patent (Unit : EA)

# WE PROVIDE QUALIFIED SERVICE

# CINOS



**Service.01**  
**Increase Semiconductor Yield & Parts Lifetime**

Our ultra-precision cleaning and ultra-density coatings improve semiconductor yield, Parts lifetime and cost competitiveness.



**Service.02**  
**ERP Tracking Management Infra**

A centralized control system capable of managing and operating all work process with 24/7 control



**Service.03**  
**Providing Customized Solutions**

Based on accumulated technology and quality, we provide the most suitable ultra-precision cleaning & ultra-density coating



**Service.04**  
**Precision Analysis & Verification**

Advanced analytics equipment and specialized research create future-leading technology quality and customer-trusted services

**Our Customers**



## GLOBAL NETWORK

With, Global Analysis Lab ChemTrace



ICP-MS



LASER PARTICLE COUNTER



ION-CHROMATOGRAPHY



ATD-GC-MS



SEM-EDS



GC-MS

ChemTrace operates an independent commercial lab inside the CINOS C1 Facility in Hwaseong, South Korea

# OUR SERVICE

## **PRECISION CLEANING**

### • **Pre-Cleaning**

CAUST™ / CIST™&DIS™  
PBC™ / POC™



Remove By-Product  
on the Parts Surface



Damage Free



Specialized in ShowerHead  
Cleaning Technology

### • **Selective Cleaning**

PSC™ / MPS™ / TIC™ / PBR™



Micro Particle Control



Metallic Ion Free

### • **Post-Cleaning**

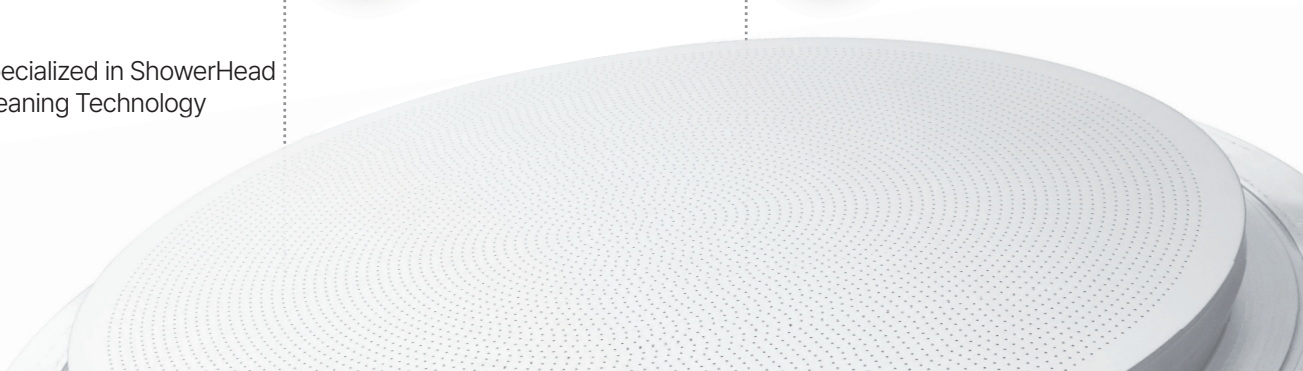
SBC™ / SSC™ / Warm-NPP™



Nano Particle Control



Out-Gassing Free

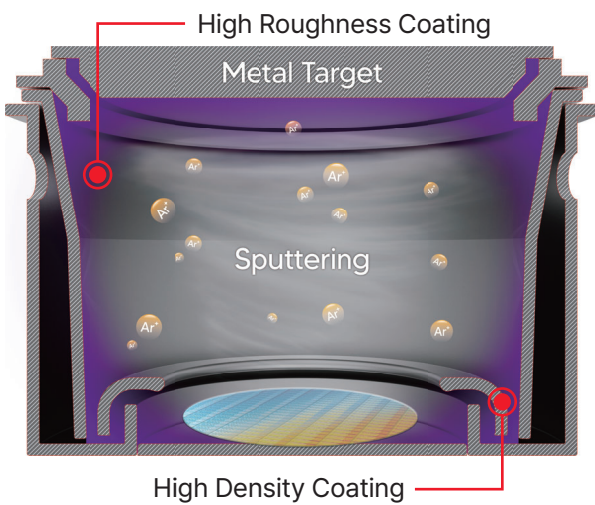


## **PROTECTIVE COATING**

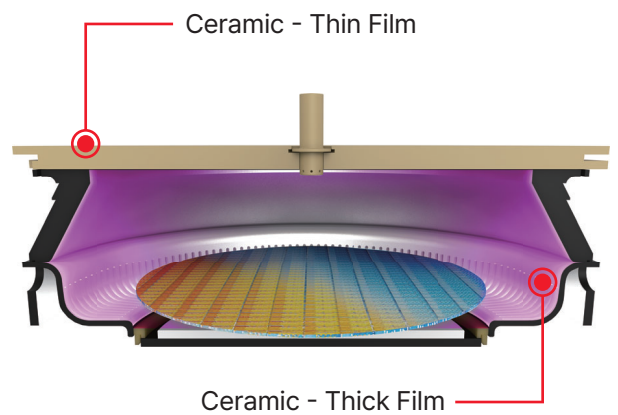
✓ Plasma Resistance

✓ Protect Base Material

### • **Metal Process**



### • **Etch Process**



#### **High Roughness**

ARC®  
Stealth™-1  
HEMI™

#### **High Density**

Stealth™-2  
MAHA™

#### **Thin Film**

EP-ZERON™  
A-ZERON™

#### **Thick Film**

APS  
UHD™-1  
UHD™-2  
SAC™

# INDEPENDENT ANALYSIS

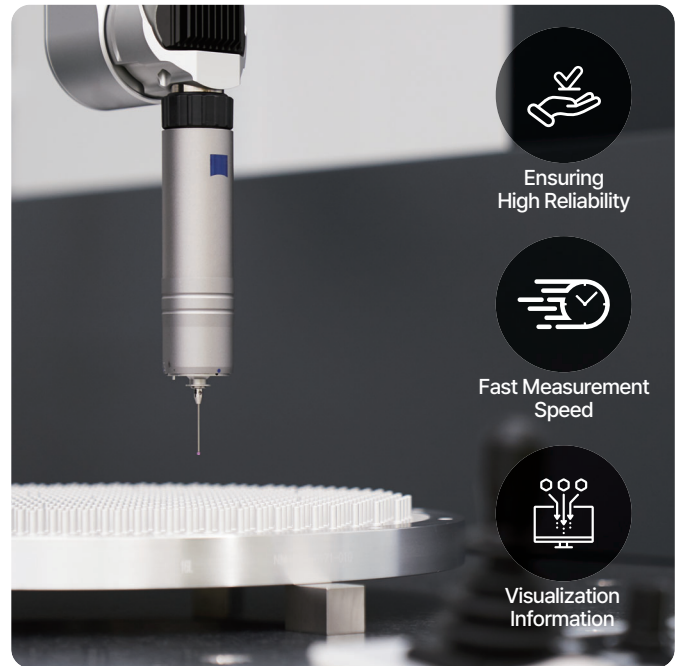
## • Particle Detection

- CPDS  
(Cinos Particle Detection System)



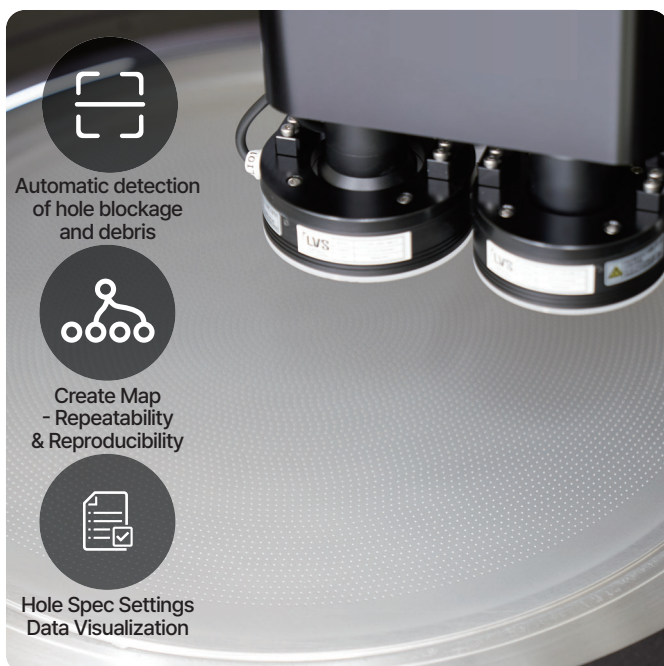
## • Geometric Tolerance

- Contact & Non-contact type CMM



## • Hole Uniformity

- HIS  
(Hole Inspection System)



## • Image Analysis

- Automatic Laser Confocal Microscope
- CTI (Coating Termination Inspection)





**TAYLOR, USA**

8400E Parmer Lane, Manor, Texas, USA

**HWASEONG-SI, GYEONGGI-DO, KOREA**

**C1** 517-19, Samcheonbyeongma-ro, Paltan-myeon

**C2** 209, Barangongdan-ro, Hyangnam-eup


**C3** 98-17, Barangongdan-ro 4-gil, Hyangnam-eup


**XI-AN, SHANXI, CHINA**

**CX1** 1200, Bo 8-ro, Gaoxin Comprehensive Bonded Area

**CX2** 1680, Jong 3-ro, Gaoxin Comprehensive Bonded Area

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GLOBAL STANDARD**