



JESCO



Global Network Customers

● KOREA	   
● USA	  
● ITALY	
● CHINA	    
● MALAYSIA	 
● SINGAPORE	  
● JAPAN	   
● TAIWAN	    
● ISRAEL	

42-27, Geumgok-ro
163beon-gil, Hwaseong-si,
Gyeonggi-do, Korea 18511

Tel: +82-31-376-9828

**Collaboration and Love
Leading Global Market
The Best Quality**

www.j-esco.co.kr
sales@j-esco.com



Company History

- 2013** Established in Dongtan, Korea
Dealership with Singapore Global Foundries
- 2014** Registered as a MCA repair vendor for Micron Singapore
ISO 9001 & 14001 certification
Established new manufacturing factory & clean room
- 2015** Started LAM ESC repair business with TSMC and UMC in Taiwan
Acquired R&D department certification
- 2016** Acquired a patent on ESC for Semiconductor assembly
Awarded from KITA (Korea International Trade Association) for US \$1M Trade Awards
- 2017** Registered as a vendor for On Semiconductor
Registered as a repair vendor for SMIC, XMC, CSMC (China)
Registered as a vendor for DB Hitek
Awarded from Governor in Gyeonggi province for "The Best Venture Company"
- 2018** Certified a "Promising Export Small and Medium Enterprise" by Ministry of SML
- 2019** Qualification of Lam ESC and MCA repair in Toshiba
Registered as a vendor for SK Hynix
Registered as a vendor for TSMC
- 2020** Company relocation to Geumgok-dong
Awarded from KITA (Korea International Trade Association) for US \$3M Trade Awards
- 2021** Registered as a vendor for SAMSUNG
Certified as Small Giant Company of Korea
Certified as Inno-Biz Company

Certificate



Management Ideology



- Collaboration and Love, company culture of respect for employees
- Leading the global market in the value of core technologies
- 100% of customer quality satisfaction

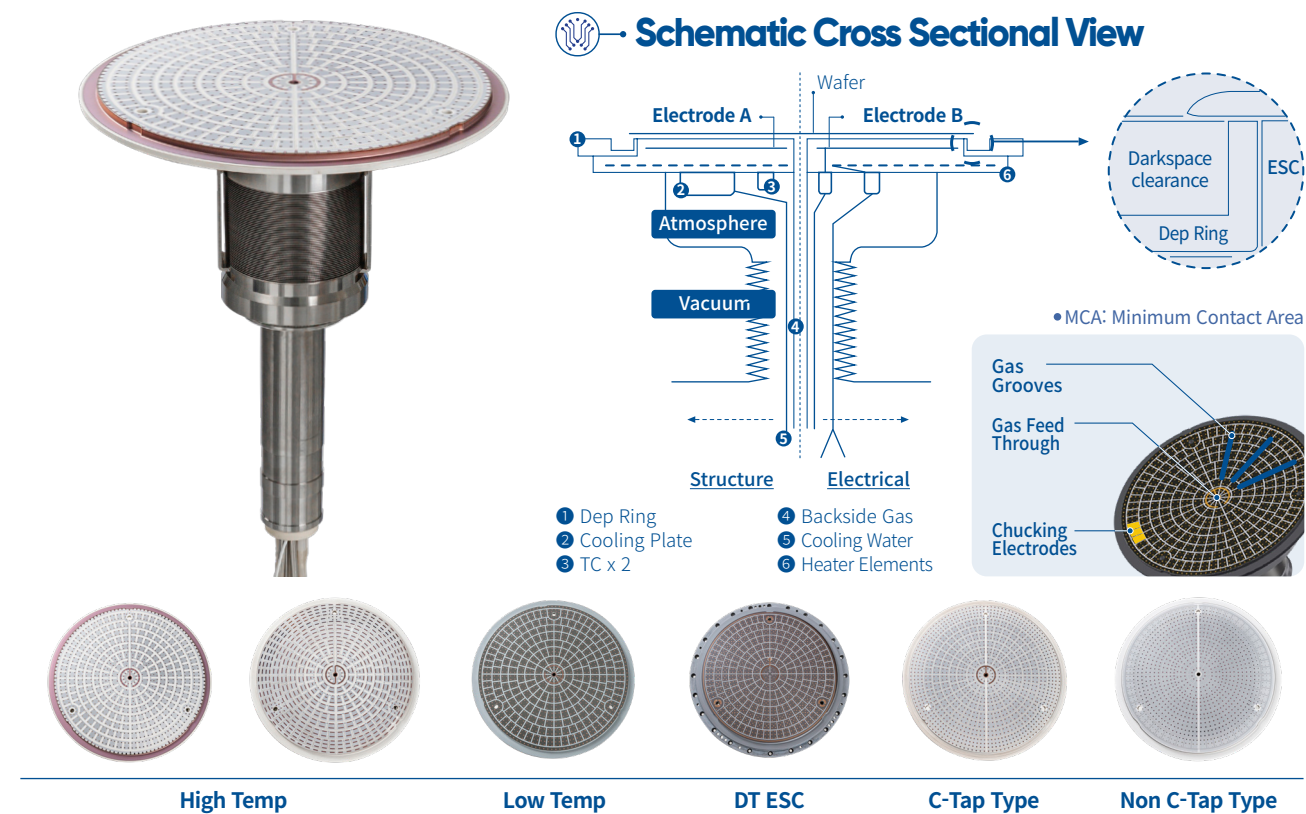
Main Items



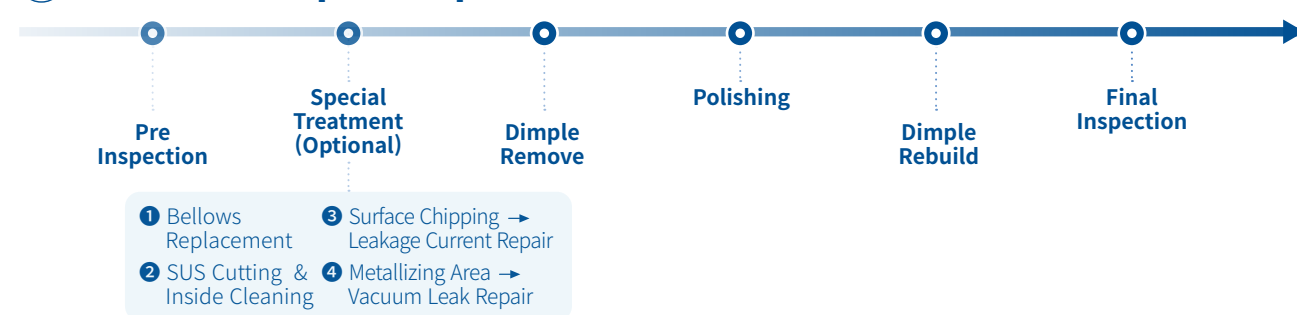


ENDURA MCA ESC

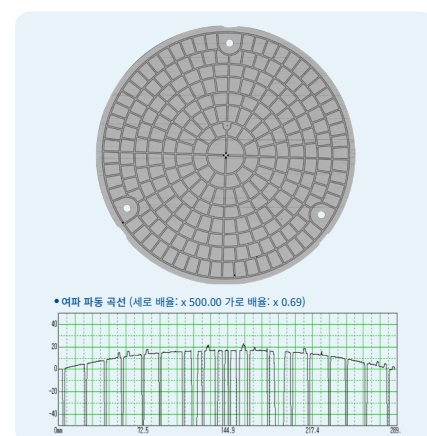
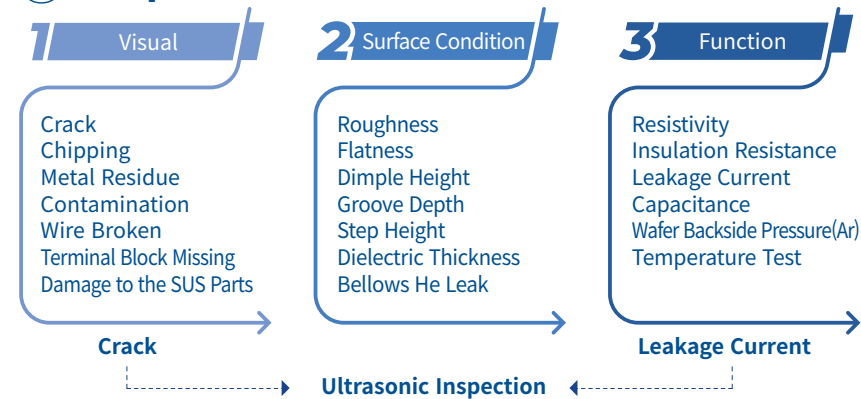
MCA Repair



Process & Repair scope

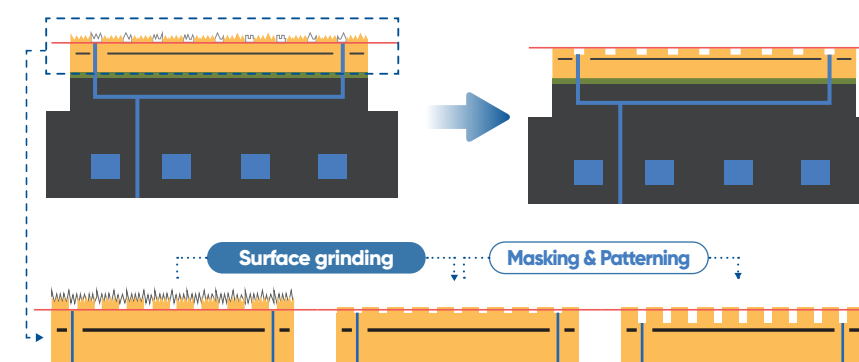
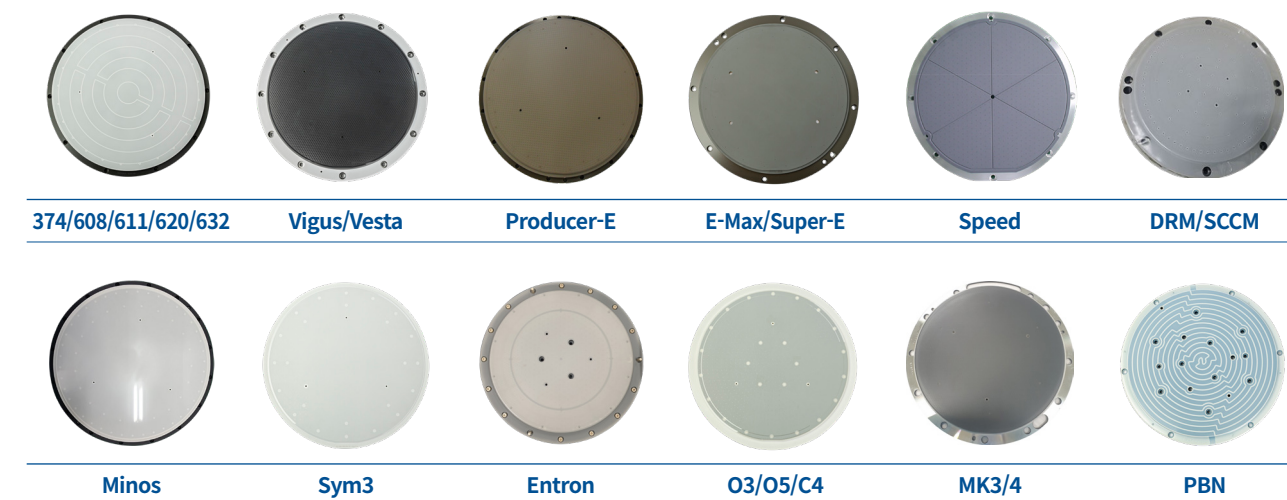


Inspection



ESC (Electrostatic Chuck)

ESC Repair



Repair	Description	Issue
Level 1	Surface retreatment	Surface roughness or flatness issue
Level 2	Level 1 + Re-bonding	Bonding layer
Level 3	Level 1 + Plate exchange	Crack or chipping on the ceramic plate
Level 4	Level 3 + Heater plate exchange	Damage on the heater plate

- Pre Inspection
- Select the repair type
- Bonding new heater plate
- Bonding the used or new plate
- Surface grinding
- Masking & Patterning
- Cleaning
- Final Inspection

ESC OPM New





ESC New

Super-E / E-max 8"

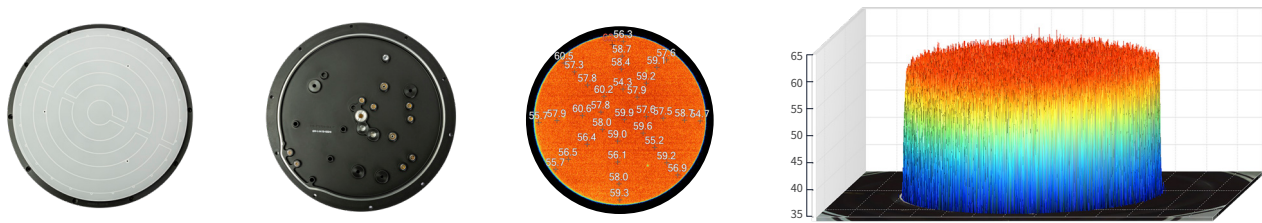
• AIN Plate : Same physical properties with OEM part

ITEM	UNIT	OEM	JESCO	REMARK
Ceramic Puck	-	AIN	AIN	
Purity	%	≥99.9	≥99.9	
Volume Resistivity	Ω.cm	10 ¹⁰ ~ 10 ¹²	10 ¹⁰ ~ 10 ¹²	@500V
Thermal Conductivity	W/mK	90	90	@RT
Density	g/cm ³	3.26	3.26	
Bonding Material	-	Same with OEM		



6series L4 / L0

Item	L374	L608	L611	L620	L632
Repair Scope	L0/L1/L2/L3/L4	L0/L1/L2/L3/L4	L0/L1/L2/L3/L4	L0/L1/L2/L3/L4	L1/L2/L4
Part Number	839-019090-374	839-019090-608	839-019090-611	839-019090-620	839-019090-632
Ceramic Material	OEM Al2O3 94%, JESCO Al2O3 96%				
Printing Layer	Single	Single	Single	Single	Multi
Heater Zone	2 Zone	4 Zone	4 Zone	4 Zone	4 Zone
Plate Size	Φ 295.25	Φ 295.75			Φ 297.88
Embossing Size	Φ 0.25			Φ 1.0	Φ 1.5
Silicone Bonding(Heater)	Same Method				

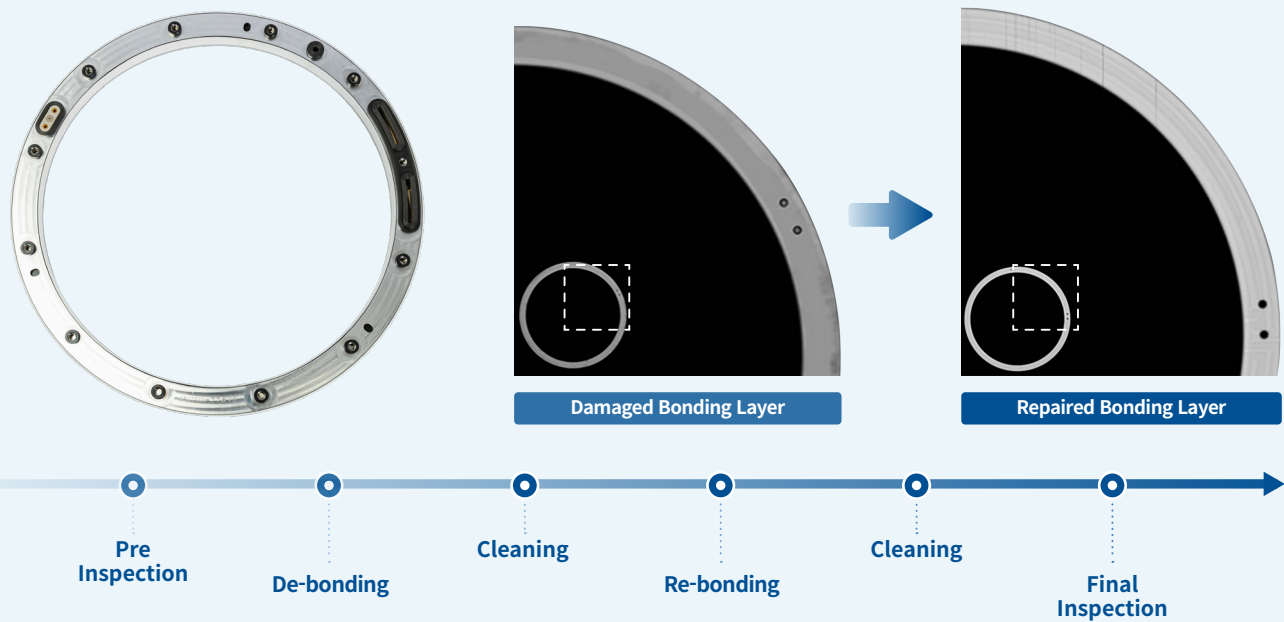


Ultima 8" / 12"



Heater Ring

Heater Ring Repair



AIN Heater

AIN Heater Repair

