



The First One Stop Solution Provider from South-East Asia

Supply Chain Management [Executive Summary]

2JK Semicon Pte Ltd

June, 2021



Supply Chain Management [Executive Summary]





❖ Features

- Local Engineering related Services
- Local Process Support for Parts Developments and Improvements
- Local Manufacturing and Repair Center
- Local Parts Stock Warehouse
- More than Several Hundreds of Parts, Materials, and Module Suppliers in 2JK's Database whom they are already qualified in Major Semiconductor Chip and Original Equipment Manufacturers
- Highest Quality Standards
- Utmost Competitiveness Price

No.	Product Name	Process Area	Equipment / PART	Product Descriptions / Characteristics / Benefits
1	ID Coatings	ETCH	LAM / TCP Windows	<ul style="list-style-type: none"> ① Recoating is available ② 64% Cost reduction expected
			AMAT / SYM3 LIDs	
2	ESC Repair	ETCH	LAM / AMAT / TEL	<ul style="list-style-type: none"> ① High Quality and Big Cost Saving ② Level 0, 1, 2 & 3 Supported ③ Al2O3 New Top Plate replaced(Level 3)
3	SIC Focus Ring	ETCH	AMAT / LAM / TEL	<ul style="list-style-type: none"> ① Maintains Plasma Density Evenly and Accurately ② Securing Stable Production Yield
4	ADDER	ETCH / ASHER PR STRIP	PSK - SUPRA SERIES	<ul style="list-style-type: none"> ① Direct Replacement of MKS R1, R3, & R5 ② Plug & Play Footprint for Retrofit & Upgrade ③ Increasing Process Throughput & Reduce CoO
5	Thermal Interface Materials / Gaskets / Machining Parts / EMI Shielding Solutions	ETCH / CVD / PVD / WET / DIFFUSION	Various Equipment Type	<ul style="list-style-type: none"> ① 2nd Source for Low Cost Solutions with Proven Qualities ② Thermal Interface Materials (TIM): Quick & Cool Solutions ③ Global Functional Gasket Supplier ④ Precise Machining Techology & Value-Engineering Parts ⑤ Customized EMI Solutions



No.	Product Name	Process Area	Equipment / PART	Product Descriptions / Characteristics / Benefits
6	Surfcon Non-Slip Pad	ALL PROCESS	ALL Equipment Type with Substrate Handling	<ul style="list-style-type: none"> ① High Performance Non-Slip Pad Enabling Throughput Increase & Prevents Wafer Sliding ② Strong horizontal friction force but less stickiness (Popping Free) ③ Proven Quality Performance by Major IDM and Global Top 3 Equipment Makers [OPM]
7	BPS G/A Series Valve	ETCH / CVD / PVD & DIFFUSION	AMAT / LAM / TEL / PSK	<ul style="list-style-type: none"> ① High Speed Protection Gate Valve ② Prevent Polymer deposition on the seal plate and housing inside. ③ Improve of PM Cycle 3-4times ④ Particle improvement ⑤ O Ring Corrosion Minimization
8	Bellows	ETCH / CVD / PVD DIFFUSION / IMPLANT	AMAT / LAM / AXCELIS / JUSUNG	<ul style="list-style-type: none"> ① OPM ② Alternative Low Cost Solution
9	CKD Valve Repair	DIFFUSION	TEL / KE	<ul style="list-style-type: none"> ① Complete Overhaul and Repair Service

No.	Product Name	Process Area	Equipment / PART	Product Descriptions / Characteristics / Benefits
10	Flexible Heater	CVD	AMAT / LAM / TEL / JUSUNG	<ul style="list-style-type: none"> ① Improvement of Gas Flow ② Prevention of Gas Leaks ③ Energy Saving and Low COO
11	V.S.P. Voltage Sag Protection	ALL PROCESS	ALL Equipment & Facility Side	<ul style="list-style-type: none"> ① '1~3 Sec' Perfect Back-Up Against Sag or Interruption ② All Process Tools should have 1~3sec immunity under 100% Voltage Drop (Sags) = Line Stabilization ③ No Battery! Energy Saving = Super Condenser ④ Long Life = Maintenance Free
12	CMP Slurry Filter	CMP EQUIPMENT & FACILITY POU	AMAT / EBARA	<ul style="list-style-type: none"> ① High particle removal efficiency ② Long service life ③ Fixed pore structure ④ Low pressure loss and extractable
13	Plasma Pre-Treatment Systems [PPS]	FACILITY / Polymer By-Products Generated during ALD & CVD Process	AMAT / TEL / KE	<ul style="list-style-type: none"> ① Improve the overhaul Cycle times / Decrease in PM Frequency ② Increase in Tool Utilization Rate ③ Substitution Rate Greater Than 90% (TRAP) ④ Prevention of Ignition and Explosion Environmental Safety Accidents.



No.	Product Name	Process Area	Equipment / PART	Product Descriptions / Characteristics / Benefits
14	In-Line Wafer Metallic Contamination Monitoring System	Defect & Inspection [M.I.]	Replaces IAS & ESI Inspection Tools	<ul style="list-style-type: none"> ① Full Automatic Wafer Handling, VPD & Sample preparation, ICP-MS Analysis and Wafer Cleaning ② Traces Metallic Residues on the Wafer Surface ③ ICP-MS integrated for IN-LINE application ④ Machine Detection Limit : < 1E8 atoms/cm² ⑤ Throughput : 3WPH for 8" Non Pattern Wafers
15	Water-Free Plasma Scrubber	FACILITY	ALL Scrubber Types	<ul style="list-style-type: none"> ① Excellent PFCS Gas Treatment Through Strong Plasma Energy, Decompose all PFCS Gas, No "F" Issues. ② Energy Saving: 100% Water SAVING, NO Waste Water Treatment ③ No Issues Related Water Level, Leakage, Corrosion ④ Unnecessary to extend the waste water disposal Plant ⑤ Work Environment & Safety Improvement by NONE P.M. on-site
16	Electric Chiller	FACILITY	ALL Chiller Types	<ul style="list-style-type: none"> ① Stable Cooling Capacity ② Customized footprint as requirement ③ Proven saving in Power consumption, Utilities and coolant cost ④ Etch Capability of NAND and Storage Contact had been proven in field
17	DRUM Shaker	FACILITY - CMP	New in Kind	<ul style="list-style-type: none"> ① To Prevent sedimentation ② Maintain the inner slurry quality in the drum uniform

No.	Product Name	Process Area	Equipment / PART	Product Descriptions / Characteristics / Benefits
18	Valve, Fitting, IGS, & Regulator	FACILITY	ALD, CVD, ETCHER Scrubber, Chiller, Vaccum Pump, VMB Gas Rack, Gas Cabinet & Utility Line	<ul style="list-style-type: none"> ① Qualified by Major DRAM Manufacturers and Other Industries' Major Clients ② Perfect Replacement & Compatibility ③ Strategic Localization and Customer Customizations
19	WooWon PR Stripper	WET/ASHER	Asher Equipment	<ul style="list-style-type: none"> ① Higher Throughputs ② Application for Strip All Layers ③ Low COO ④ Owns Key Technologies [PM, TM, Source, Generator, Match and etc....]
20	HogoMax Water-Soluble Protective Film for Laser Processing	BACK-END	DISCO: DFL7160/7161 Model Series	<ul style="list-style-type: none"> ① Direct Replacement of Disco/TOK Water-Soluble ② Perfect Replacement & Compatibility ③ Price Competitiveness Guarantee 30% Savings
21	Zirconia Material	Etch	LAM FLEX DX/45	<ul style="list-style-type: none"> ① Direct Replacement of LAM PEEK material ② 2 ~ 5 longer lifetime ③ Cost improvement by 70%

2JK Sales & Support Team



Qian Jin

(Project Manager, Singapore)

Tel: (65) 6465 4882

Mobile: (65) 8436 9481

qianjin@2jksemi.com

Kevin Tsai

(Head of Taiwan Sales)

Tel : (886) 423 012 370

Mobile: (886) 911 932 989

kevintsai@2jksemi.com

John Kim

(Managing Director)

Tel : (65) 6465 4882

Mobile: (65) 9186 0381

johnkim@2jksemi.com