

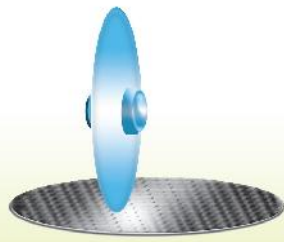
SEMICONDUCTOR EQUIPMENT



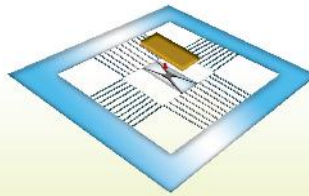
& MATERIALS DIVISION

DOU YEE
ENTERPRISES (S) PTE LTD

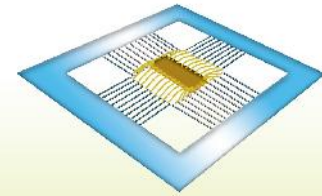
Serving the Semiconductor, Data Storage and Electronics Industry since 1982



1 Wafer Dicing



2 Chip Mounting



3 Wire Bonding

FRONT END - WAFER DICING & DIE ATTACH SECTION



Wafer Frame Cassettes

- 5" Wafer Frame Cassette
- 6" Wafer Frame Cassette
- 8" Wafer Frame Cassette
- 12" Standard Wafer Frame Cassette
- 12" Light Weight Wafer Frame Cassette

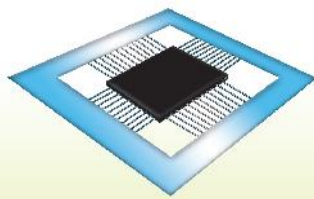
Dou Yee P/N	L	W	H	P x no. of slot	Remarks
DY-WFC-003	206	216	143	4.75 x 24 slots	for 6" wafer frame (DY-WFR-003)
DY-WFC-001M	276	279.2	205.6	6.35 x 24 slots	for 8" wafer frame (DY-WFR-001)
DY-WFC-007B	274.1	268.7	142.8	4.75 x 24 slots	for 8" wafer frame (DY-WFR-007B)
DY-WFC-041	387.5	382.9	182	10 x 12 slots	for 12" wafer frame (DY-WFR-041)
DY-WFC-043	389	383	187	10 x 12 slots	for 12" wafer frame (DY-WFR-041)



Wafer Frame

- 5" Wafer Frame
- 6" Wafer Frame
- 8" Wafer Frame
- 12" Wafer Frame
- Customize Wafer Frames

Industrial Standards	Dou Yee Part Number	Wafer Size (in)	Frame Square Blocking (mm)	Frame ID (mm)	Frame Thickness (mm)
DISCO					
2-12-1	DY-WFR-041	12"	380	350	1.5
2-8-1	DY-WFR-001	8"	275.2	250	1.2
2-8-1	DY-WFR-001A	8"	276	250	1.2
2-6-1	DY-WFR-003	6"	212	194	1.2
K&S					
350-104	DY-WFR-007B	8"	266.7	242.4	1.5
350-103	DY-WFR-008	6"	216	192.6	1.2
350-102	DY-WFR-010	5"	184.15	165.1	1.2
TSK					
	DY-WFR-016	8"	276	255	1.2



4 Molding



5 Trim & Forming



6 Packaging

FRONT END - WAFER DICING & DIE ATTACH SECTION



UDM Dicing Lubricant

High performance, water based dicing lubricant

For excellent wafer cleanliness, cut quality and ESD properties during dicing

Inhibits corrosion and helps to clean existing corrosion

Safe and environment friendly product

Complies with RoHS/Reach regulations



FOL Magazine

Hundreds of open toolings in our standard magazine inventory

Lead frame magazines can be custom-designed

Perforated or Slotted magazines are designed mainly for Plasma & other cleaning purposes

Perforated magazines can be customized as per customer's requirements

BACK END - MOLDING



Nikalet Mold Cleaning Compound

Melamine-based mold cleaning compound

Well-known for excellent mold cleaning efficiency

Different grades to suit all types of Epoxy molding compound

Transfer & compression tablet available

Nikalet Mold Conditioning Compound

Melamine-based conditioning or waxing compound

Excellent waxing ability, prolong molding shots

Cost saving on lead frame

No special cold room storage required

Long shelf life



Nikalet RCC (Rubber Cleaning and Conditioner)

Rubber based cleaning & conditioner

Different grades to suit different types of mold machine

Easy handling and save cost on lead frame

Excellent cleaning combination with Nikalet Melamine transfer grade

Customize rubber sizes available



BACK END - DRY PACKAGING



Desiccants

Various desiccants for different needs:

- Bentonite Clay
- Silica Gel
- Molecular Sieve

ESD Safe

Meets IPC/JEDEC-J-STD033B

Complies with RoHS/Reach regulations

Desiccants for other Industries

High performance desiccant for shipping/containers/cargo

Protect goods from moisture condensation

High absorption capacity of up to 250% of its own weight

Suitable for electronics, automobile, metals, food, pharmaceuticals, garments, etc.



Humidity Indicator Cards

Accurate Cobalt Dichloride & Cobalt Free Humidity Indicator Card

Meets Mil-1-8835

Meets IPC/JEDEC-J-STD033C

Complies with RoHS/Reach regulations

GENERAL



High Concentrated Cleaning Agent

Cost effective, low working concentration

Available in Phosphates free

Suitable for manual washing, soaking, ultrasonic baths & automatic washer.

For use in various industries:

Electronics, laboratories, pharmaceuticals, medical, metals, food, etc.

Waterfree Hand Cleaner

Rub it on and wipe it off

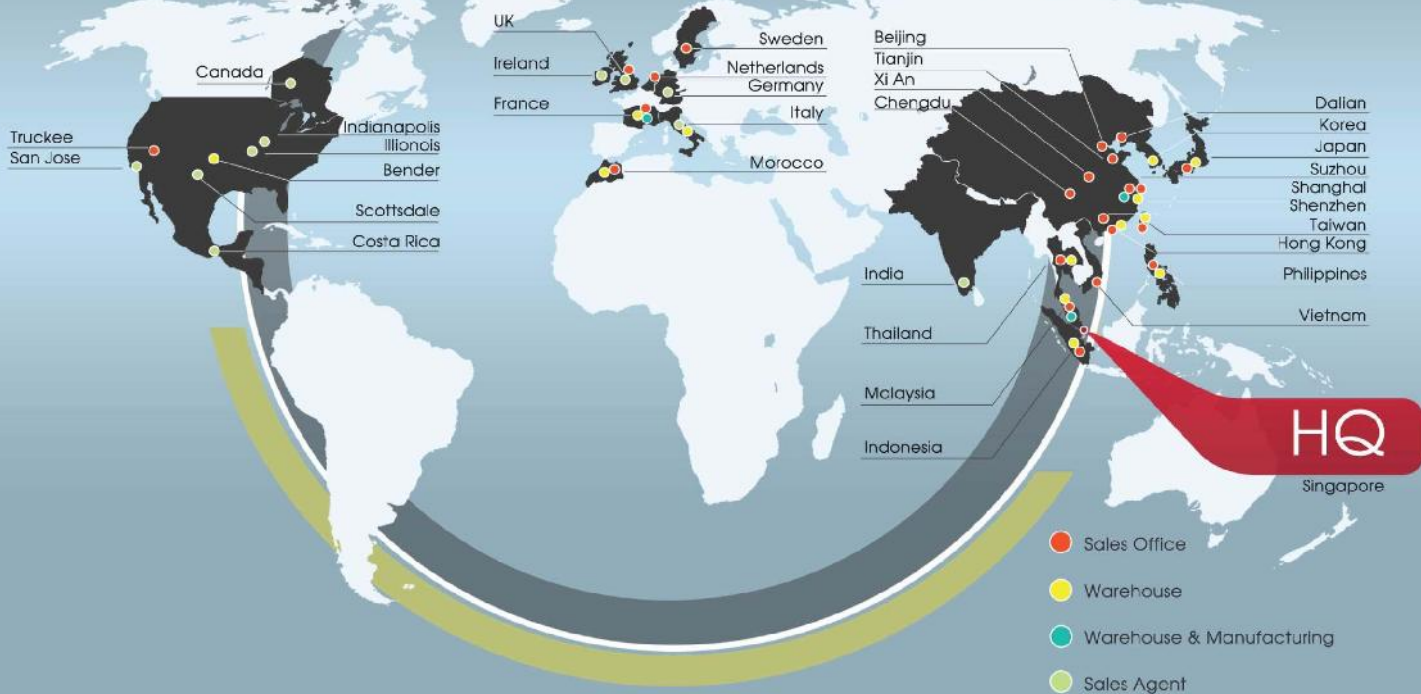
No water needed, high performance hand cleaner

Non-toxic and gentle on hands

Effectively removes oil, grease, grime and industrial stains



With an extensive worldwide network, we are ideally situated to provide premier industrial solutions for both suppliers and customers.



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