FAST SUPER DRYER

< 5 % RH

AUTO DRY BOX

Trusted Moisture Control Solution
Eliminating Moisture Damage

25-55 % RH

3D PRINTER
FILAMENT DRYER

We are proud to offer cutting-edge dehumidification technology through our Eureka Auto Dry Box and Dry Cabinet series. Designed for industries, collections, and everyday storage, our solutions ensure that your products are safeguarded against humidity and moisture damage—efficiently, reliably, and cost-effectively.

Explore our robust, automated, and durable products, ideal for a wide range of applications. Find out how Eureka Dry Tech can transform your operations today.

Catalog PDF

Eureka Dry Tech

Dehumidification Solutions
That Work for You!

Eureka AUTO DRYBOX

CE ISO

FAST SUPER DRYER

Industrial

Ultimate Humidity Control for Electronics Manufacturing

Type 103

Type 503

Type 1003

Type 2003

Eureka's Fast Super Dryer Cabinets provide a superior solution to moisture-related issues in electronics manufacturing including

PCB Delamination : Prevents moisture from causing solder joint failure.
Blistering & Warping : Stops moisture from damaging components.
IC Popcorning : Avoids moisture-induced damage to ICs during soldering.
Micro-Cracking : Keeps components safe from moisture that can lead to cracks.

Available Models	TUS	TD	SDC	XDC
Humidity Range	10%-50% RH	<20% RH	<10% RH	<5% RH
Controller Type	Manual	Automatic	Automatic	Automatic
Recovery Time	Within 2 hours back to <20% RH	Within 30 minutes back to <20% RH	Within 30 minutes back to <10% RH	Within 30 minutes back to <5% RH
Key Applications	Ideal for general materials like chemicals and reagents, long-term warehousing, minimal door access in laboratories.	Used for hygroscopic components in general manufacturing.	For unsealed Moisture Sensitive Devices (MSD) in SMT/PCB assembly processes.	Infinite storage for MSD in ultra-low humidity, ideal for EMS and biotech industries.

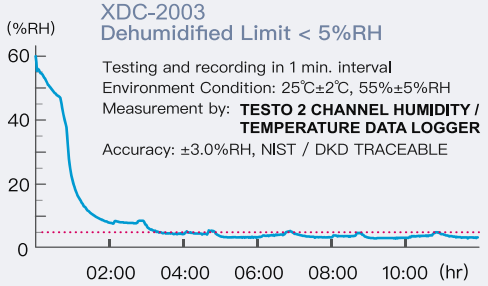
* **Humidity Control:** All products ensure precise moisture control and rapid recovery, protecting sensitive materials from damage.
Application Areas: Perfect for laboratory environments, general manufacturing, and specialized processes like PCB assembly and biotech applications.
Standards Compliance: All models comply with the IPC/JEDEC J-STD-033 Standard for moisture-sensitive devices.

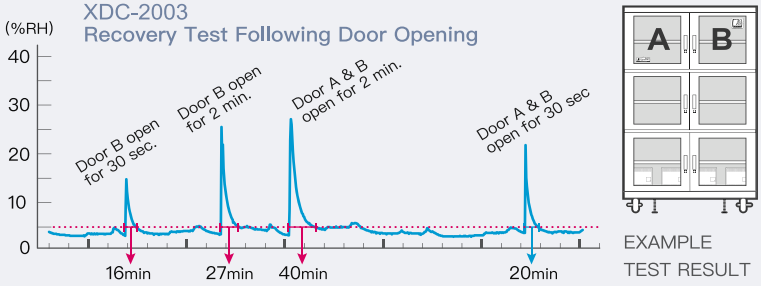
Fast Super Dryer Unit

TESTO Thermal Hygrometer

Model	Type-103	Type-503	Type-1003	Type-2003
External Size (cm)	W40xH69.2xD53.7	W88xH93xD58.4	W60xH195xD71.4	W120xH195xD71.4
Capacity (Liters)	99L	376L	665L	1329L
Metallic Shelf	2 x Anti-Static	3 x Anti-Static	5 x Anti-Static	5 x Anti-Static
Accesisary	**Anti-static:** Glass, Paint on Body, Shelves, Caster, Stands / 1M Ω Ground Wire			

Performance Charts (example)





Options

Digital Control Panel

Data Logger

SMC / SMD Storage Shelf

Flow Meter & Valves for N_2 Purge

Stainless Steel Cabinet

HEPA Filtration

Custom Functions Available.

AUTO DRY BOX

Professional Series

Maximize Storage, Minimize Damage

Our Professional Series offers heavy-duty steel shelves designed to store large and bulky items. Equipped with an analog thermo-hygrometer, these cabinets allow precise moisture control.

Stackable for easy expansion, they provide a convenient, obstruction-free design for seamless storage and retrieval.

Humidity Range 25-55%RH

Japanese Analog Thermo Hygrometer

AD-1280HP

AD-700HP

AX-1000

AD-280MHP

AD-350HP

MH-450P

Model	AD-1280 HP	AD-700 HP	AD-280 HP / MHP	AD-350 HP / MHP	MH-450P / MP
RH Range	25-55%RH	25-55%RH	25-55%RH	25-55%RH	25-55%RH
External Size (cm)	120xH195xD65	60xH193xD66	W88xH89.5xD39.5	W88xH90xD53	W106xH96xD46.5
Capacity (Liters)	1326L	657L	276L	372L	425L
Shelf Type	5 x Metallic	5 x Metallic	3 x Metallic	3 x Metallic	3 x Metallic

M: Metallic Door Type

Model	AX-1000
RH Range	25-55%RH
External Size (cm)	W90xH181.1xD47.8
Capacity (Liters)	690L
Shelf Type	4 x Metallic

Stackable Design

Concise & Private
Customizable and Space-Efficient

The Concise & Private Series is designed for ultimate storage flexibility. With movable partitions and height-adjustable shelves, this series allows you to organize your space efficiently.

The upright design maximizes storage while minimizing footprint, making it perfect for any environment.

AX-96N AX-106N AX-126N AX-180N

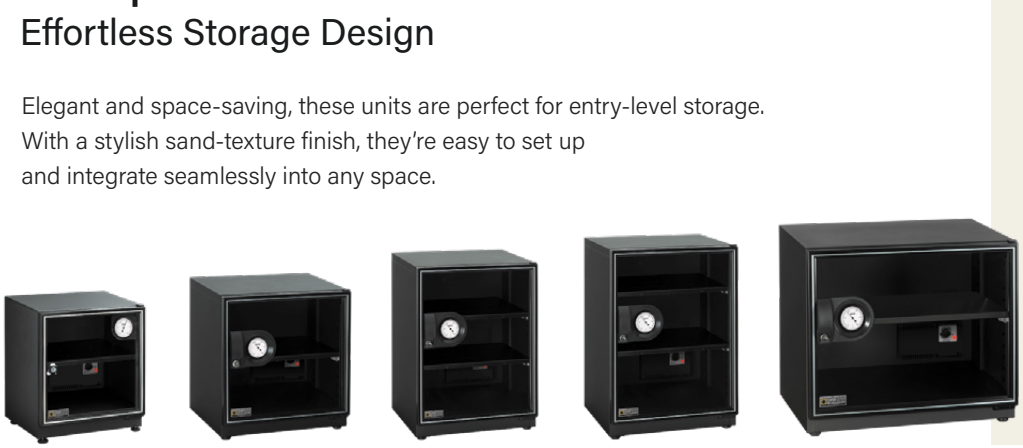
Humidity Range 25-55%RH

German Analog Hygrometer

Model	AX-96N	AX-106N	AX-126N	AX-180N
RH Range	25-55%RH	25-55%RH	25-55%RH	25-55%RH
External Size (cm)	W40xH69.2xD41	W40xH84xD41	W40xH95xD41	W40xH123xD41
Capacity (Liters)	93L	114L	132L	174L
Shelf Type	2 x Metallic	3 x Metallic	3 x Metallic	4 x Metallic

Compact Series
Effortless Storage Design

Elegant and space-saving, these units are perfect for entry-level storage. With a stylish sand-texture finish, they're easy to set up and integrate seamlessly into any space.



AD-45PG AD-51PG AD-66PG AD-72PG AW-80PG

AD-88SPG

Humidity Range 30-55%RH

German Analog Hygrometer

Model	AD-45 PG	AD-51 PG	AD-66 PG	AD-72 PG	AW-80 PG	AD-88S PG
RH Range	30-55%RH	30-55%RH	30-55%RH	30-55%RH	30-55%RH	30-55%RH
External Size (cm)	W34xH39xD32	W40xH44xD41.5	W40xH50xD41.5	W40xH55.5xD41.5	W54xH47xD41.5	W40xH69xD41.5
Capacity (Liters)	32L	55L	65L	72L	81L	93L
Shelf Type	1 x Plastic	1 x Plastic	2 x Plastic	2 x Plastic	1 x Metallic	3 x Plastic

Spacious Series
Effortless Elegant Design

Designed for larger items, our Spacious Series eliminates the central bar for maximum storage space. Refined and sophisticated, these cabinets are ideal for luxury and fashion item display, offering easy access and high-end appeal.

Humidity Range 25-55%RH

German Analog Hygrometer

Model	CDH-240	MH-250
RH Range	25-55%RH	25-55%RH
External Size (cm)	W60xH109xD42.5	W80xH83.5xD45.5
Capacity (Liters)	254L	257L
Shelf Type	4 x Metallic	3 x Metallic

MH-250 CDH-240

Executive Filing
Efficient and Organized Storage

Ideal for businesses and offices, our Executive Filing Series features spacious, drawer-style designs that organize documents, records, and filing articles effortlessly.

Secure and accessible, they are perfect for any professional setting.

MD-5250P

MD-5500P

GD-1000

MD-2000P ▲MH-450P ▼MD-5250P x2

Humidity Range 25-55%RH

Japanese Analog Thermo Hygrometer

Model	MD-5250P	MD-5500P	GD-1000	MD-2000P
RH Range	25-55%RH	25-55%RH	25-55%RH	25-55%RH
External Size (cm)	W53xH106xD48	W106xH106xD48	W67.5xH164.5xD77	W106xH202xD46.5
Capacity (Liters)	239L	479L	727L	957L
Drawer / Shelf Type	5 x Metallic Drawers	5 x Metallic Drawers	10 x Metallic Drawers	3 x Metallic Shelves
		4 x Caster Wheels	4 x Caster Wheels	10 x Metallic Drawer

Home & Garment
Protect Your Clothing, Shoes, and More

Our HD Series dehumidifying wardrobes are the ultimate solution for keeping clothes and shoes fresh, while protecting them from allergens. With automatic humidity control to < 50% RH, these cabinets eliminate dust mites, bacteria, and mold, significantly reducing allergies.

Store your collections in a dry environment to prevent fungus growth and bad odors. Perfect for your wardrobe, pillows, comforters, and more.

HD-501WM

HD-1201WM

HD-1501WM

HD-1501W HD-501W

Humidity Range 35-55%RH

German Analog Hygrometer

Model	HD-1501 W / WM	HD-1201 WM	HD-501 W / WM
RH Range	35-55%RH	35-55%RH	35-55%RH
External Size (cm)	W90xH176xD67	W60xH176xD67	W106xH97xD46.5
Capacity (Liters)	957L	638L	425L
Shelf Type / Accessories	1 x Metallic / 1 x Hanging Rod	1 x Metallic / 1 x Hanging Rod	4 x Metallic

M: Metallic Door Type

3D Printer Filament Dryer

Keep Filaments Dry and Ready for Use

Our 3D Printer Filament Dryers ensure your filaments stay completely dry, organized, and easy to access. Ready to use at any moment, these dryers prevent moisture absorption, keeping your filaments in optimal condition for perfect prints every time.

FD-3D25

ADL-3D77

AW-3D80P

ADL-3D122N

Eureka Digital Hygrometer

Humidity Range ⩽ 10%RH

Humidity Range ⩽ 15%RH

Fit FD-3D25

Model	FD-3D25	ADL-3D77	AW-3D80 P	ADL-3D122 N
RH Range	⩽15% RH ±5%RH	⩽10% RH ±5%RH	⩽10% RH ±5%RH	⩽10% RH ±5%RH
External Size (cm)	W38xH26xD26	W40xH55.5xD44.5	W54xH47xD41	W40xH84xD44.5
Capacity (Liters)	24L	79L	81L	125L
Accessories	Filament Feed Port x4 / Supports up to 6mm OD / 4mm ID PTFE Tubing			
	20pcs 608zz Roller Bearings	1 x Hanging Rod (Supports up to 33cm filament spool)		

Musical Instrument

Preserve Your Instruments with Precision

Ideal for musicians, our Musical Instrument Series features heavy-duty steel shelves that provide safe storage for instruments. Equipped with an analog thermo-hygrometer, these cabinets allow precise moisture control.

Stackable for additional storage, they're the ideal solution for keeping instruments in perfect condition.

ART-126

ART-288

Humidity Range 50-60%RH

German Analog Hygrometer

Model	ART-126	ART-288
RH Range	50-60%RH	50%-60%RH
External Size (cm)	W40xH95xD41	W50xH129xD51.5
Capacity (Liters)	132L	314L
Shelf Type	1 x Plastic Sliding Tray	
Hanger	2 x Adjustable Hanger with Customizable Display Style 180°	

Entomology & Specimen Collection

Protect Your Precious Collections

Protect specimens from moisture, pests, and environmental damage with our specialized storage cabinets. High humidity levels can cause fading, deterioration, and mold growth.

Our cabinets are designed with steel-sealed doors to prevent light damage and offer moisture control, ensuring your specimens stay preserved.

Pull-out shelves and a user-friendly design provide easy access and safe storage.

BE-301BM

BE-701W

BE-2001W

Humidity Range 25-55%RH

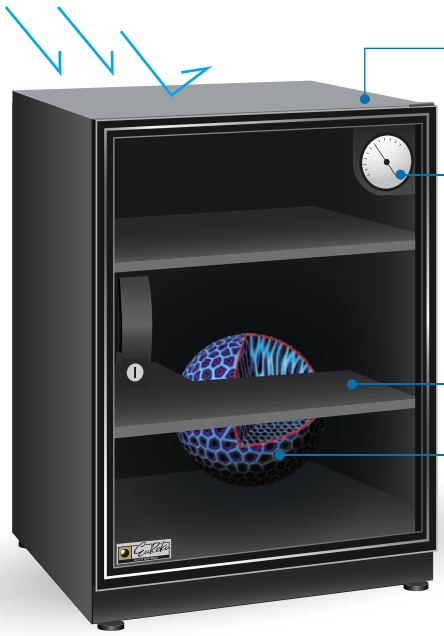
Japanese Analog Tthermo Hygrometer

Model	BE-301BM	BE-701W	BE-2001W
RH Range	25-55%RH	25-55%RH	25-55%RH
External Size (cm)	W60xH109xD55	W60xH193xD66	W120xH193xD66
Capacity (Liters)	330L	657L	1314L
Cornell Drawer / Trays	Store up to 10	Store up to 18	Store up to 36

* Trays not included.

** Cabinet is designed to fit Cornell Drawer /Trays 19x16.5x3 in. (48.25x41.9x7.62 cm)
Other Drawer /Tray sizes are available upon request.

Superme Features



Airtight Cabinet

* 100% in-house manufactured.
* Best quality finish with anti-rust coating.

Calibrated Analog Hygrometer

* Battery free, continues monitoring during power outages.
* Independently monitors %RH, assuring true moisture proof environment.

* Various hygrometer options available.

Height Adjustable Shelves

Full range dehumidifying core unit options.

Compact core

Advanced core

Professional core

Special-Features

●AUTOMATIC DEHUMIDIFICATION
Plug and play. No water tanks to drain. No pipes to run. No consumable parts to replace.

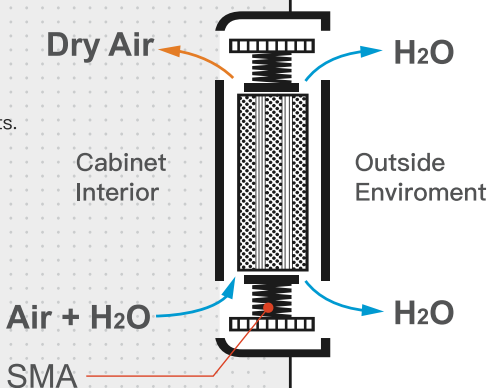
●ENERGY SAVING
Minimal electricity consumption. Continues dehumidifying and RH monitoring during blackouts.

●AMBIENT TEMP / PRESSURE OPERATION
Stable drying in all temperatures. No condensation issue from temp. changes, No △T or pressure variation effects.

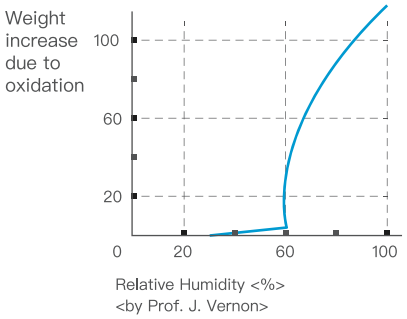
●SAFE
Compressor free. No overheating issues.

●DURABLE QUALITY
Low failure rate, easily repaired by users.

●No. 1 TRUSTED BRAND
Over 20 years of experience. Trusted by millions worldwide.

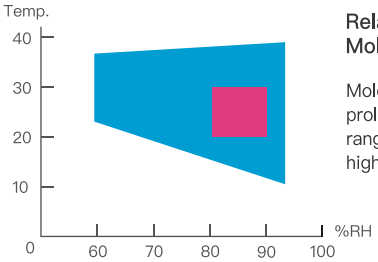


Beware of Humidity Harm



Relationship Between Steel Oxidation Rate & %RH

Oxidation & corrosion of steel begins at 35%RH. Maintaining humidity levelsat or below 35%RH will provide effective anti-oxidation for precision parts & components.



Relationship Between Mold Growing Temp & %RH

Molds are generated and proliferated at a temperature range of 12~38℃ with humidity higher than 60%RH.

■ Optimal Mold Growth Condition: Temp. 12-38℃ / RH > 60%
■ Rapid Mold Growth Condition: Temp. 20-30℃ / RH > 80%-90%

SOLVING 4 MAJOR MOISTURE PROBLEMS

Mold begins to develop at 60%RH, Materials begins to oxidize and deteriorate at 35%RH. %RH is the relative humidity percentage in the air .

Mold / Fungus	> 60%RH	Environments: develops mold / fungus / foul odor, degrade, color fade, sound off-pitch and tarnish.
Oxidation	> 40%RH	Environments: causes oxidation, loss of luster, corrosion, mechanical aging, poor contact, distortion and other failures.
Deterioration	> 20%RH	Environments: causes deterioration, affecting food safety, manufacturing quality, accuracy of research / testing.
Trace Moisture	> 5%RH	Environments: causes increased defective rates affecting all moisture sensitive devices / components / materials and semi-finished products.

EUREKA'S PRODUCT APPLICATION

Trace moisture increase defective rates and reliability problems on precision joints/ key components, such as micro-oxidation, solder joint cracking, popcorning, micro-denaturation, blistering.

20–40%RH

◇Reagents ◇Standards ◇Fiber Optics ◇Chemicals
◇Resins ◇PP plate (Prepreg) ◇PCB ◇Weapons
◇3D printer filament ◇Gun ◇Bullets

< 20%RH

◇IC package (QFP, BGA, CSP, SDP)
◇Nano materials ◇Semi-conductors
◇IC chips ◇Wafers ◇Stacked Die
◇Humidity Indicator Cards (HICs)
◇Bonding wires ◇Lead Frames
◇Solder Pastes ◇Oscillators
◇Fluorescence Powder
◇Liquid Crystal Glass
◇Boards ◇CCDs
◇Condenser

Moisture causes oxidation, corrosion on metal materials, loss of precision, faulty readings & diagnosis, failure of electric circuits.

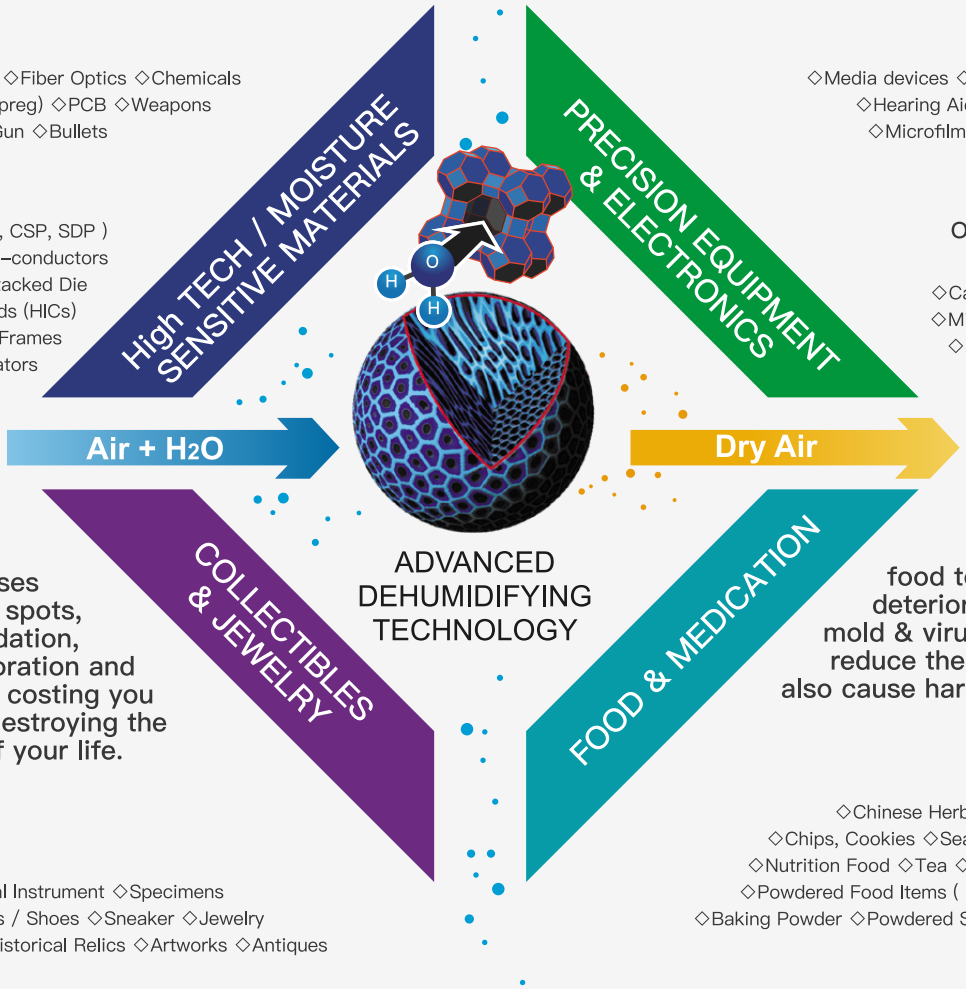
< 40%RH

◇Media devices ◇Tablets ◇Disks ◇LTOs
◇Hearing Aid ◇Measurement Gauge
◇Microfilm ◇Measuring Equipment

40–50%RH

Optical photographic equipment:

◇Camera & Lenses ◇Filters
◇Microscopes ◇Telescopes
◇Unmanned Aerial Vehicle
◇Night Vision Scopes
◇Mirrors ◇Video
◇Optical Tooling



The moisture damage that causes mildewing, water spots, musty odors, oxidation, corrosion, deterioration and decay is not only costing you money but also destroying the elegant flavors of your life.

30–50%RH

◇Photo Albums ◇Films
◇Vintage texts ◇Musical Instrument ◇Specimens
◇Leather Clothes / Bags / Shoes ◇Sneaker ◇Jewelry
◇Mechanical Watch ◇Historical Relics ◇Artworks ◇Antiques

Humidity causes food to become lumpy, deteriorate, and develop mold & virus. Not only will it reduce the taste quality but also cause harm to your health.

< 40%RH

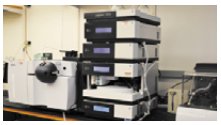
◇Chinese Herbs ◇Spices ◇Baby Food
◇Chips, Cookies ◇Seasoning ◇Infant Formula
◇Nutrition Food ◇Tea ◇Coffee ◇Vitamin ◇Pills
◇Powdered Food Items (◇Flour ◇Powdered milk
◇Baking Powder ◇Powdered Sugar ◇Cocoa Powder).

Common places in need of moisture control...

Test Laboratory

Sampling Laboratory

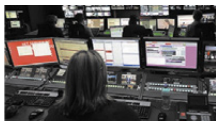
Quality Control Center


Equipment Center

Sample Chamber

R&D Center

Launch Control Center


IT Equipment Center

Comm. Equip. Room

Network Mgmt. Center

War Intelligence Center

and ***More...***

Customized

Providing Protection For All Types Of Materials / Equipment / Files / Cultural Relics.

Some uses include...

Microscope

Precision Instrument

Musical Instrument

Glove box

Raw / Production Materials

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TAIWAN DRY TECH CORP.

Products Application