Jinhua Shehe International Trade Co., Ltd.
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HARD DRIVE & SERVER MEMORY SOURCING

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2026 / 2027 SUPPLY CATALOGUE

Hard Drives, SSD & Server Memory

In a market where factory allocation is sold out through **2028**, availability is the only thing that matters. We are a China-based sourcing and export partner delivering **genuine, traceable stock** of enterprise and client drives — with mixed-brand, mixed-model orders accepted and shipped export-ready.

WESTERN DIGITAL | SEAGATE | TOSHIBA | SAMSUNG | SK HYNIX | KINGSTON



52+
WEEKS FACTORY LEAD TIME, 2026

+50%
CHANNEL PRICE YOY INCREASE

3×
SPOT VS. CONTRACT COST

0%
DUTY TO RCEP & ASEAN MARKETS

ESTABLISHED 2021 · YIWU, ZHEJIANG, CHINA · EXPORT TO 40+ COUNTRIES

MARKET REALITY · 2026

Why You Should Lock Your Allocation Now

DATA: TRENDFORCE · NIKKEI
VENDOR EARNINGS · 2026

Only three manufacturers in the world build complete hard drives, and together they control over 95% of global shipment capacity. In 2026 all three are sold out. This is not a demand cycle that will correct next quarter — it is a physical capacity constraint that cannot be lifted before the second half of 2027.

2026
WD CAPACITY
Calendar-year allocation essentially sold out; top-7 customers under formal contracts running into 2027–2028

2028
SEAGATE NEARLINE
Nearline capacity fully allocated to end-2026; management now guiding to 2028, with customers planning 2029

300EB
2026 SUPPLY GAP
Morgan Stanley estimate of the global nearline HDD shortfall, widening to ~400EB in 2027

~24mo
PEAK LEAD TIME
Worst recorded nearline HDD lead time; enterprise lines running 6–12 months, some beyond two years

THE PRICE SIGNAL WHOLESALE, 2026

3.5" 1TB HDD	USD 67.7 · +15% QoQ
2.5" 1TB HDD	USD 61.2 · +10% QoQ
Enterprise nearline	+20% to +30% QoQ
Trade price index	~ +50% year on year
Retail (DE tracking)	+51% over 5 months
Spot vs. contract	4–7¢/GB vs ~1.5¢/GB

Wholesale HDD prices have now risen for **six consecutive quarters** — a record run. No major institution forecasts a return to 2023–24 price levels.

WHY SUPPLY CANNOT RECOVER FAST — STRUCTURAL

New platen/head lines	18–24 months to yield
Units, not just capacity	Disk unit count flat to 2027H2
WD 44TB HAMR	2026H2 – 2027H1
Seagate Mozaic 5 · 50TB	sampling 2027 year-end
Toshiba PH AI capacity	FY2027, benefit in 2028
HOYA glass substrate	FY2028 — HAMR prerequisite

The decisive point: because vendors are raising capacity per disk rather than the number of disks, total unit supply does not meaningfully increase before the second half of 2027 — even after new lines come online.

WHERE SHEHE FITS

China builds no complete hard drives — it builds the parts.

Shenzhen Kaifa is the main head supplier for Seagate (roughly 12% of the global head market) and supplies about half of Western Digital's aluminium platen output. Ningbo Yunsheng supplies roughly 30% of the magnetic material. This is why we can source volume the major vendors have already committed elsewhere — we buy from the same domestic channels that supply the world's manufacturers, and we ship the finished factory

80%
OF AI DATA STILL LIVES ON HDD

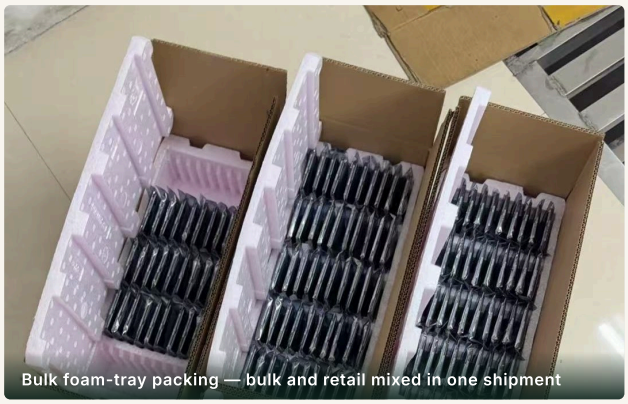
WHO WE ARE

A Sourcing Partner, Not a Middleman

REGISTERED IN YIWU, ZHEJIANG
MARKET PROCUREMENT (1039) + GENERAL TRADE

We are a Yiwu-based export trading company specialising in hard drives and server memory. We buy through the same domestic distribution channels that feed the world's drive manufacturers, verify every unit before it leaves the warehouse, and ship consolidated mixed-brand orders that no single brand distributor can fill.

For overseas buyers, this solves three problems at once: **factory allocation you cannot get directly**, **the minimum-order barrier** on multi-SKU mixing, and **consolidation into one shipment** across brands that would otherwise require three suppliers and three freight bookings.



Bulk foam-tray packing — bulk and retail mixed in one shipment

1 RFQ
Send model list and quantities. We confirm live stock and pricing within 24h.

2 Proforma
PI issued under our registered entity with brand, condition and HS code declared.

3 Inspection
Every unit checked: label, SMART status, model number, surface, firmware revision.

4 Shipment
ESD-safe packing, consolidated cartons, documents issued for customs clearance.

1039
MARKET PROCUREMENT
Yiwu pilot regime — simplified declaration, 24h release

0110
GENERAL TRADE
Full invoice, VAT rebate, certificate of origin

TRANSACTION MODES

We invoice under whichever regime suits the order: **General trade (0110)** for full-value B2B shipments requiring invoices, VAT rebate and preferential certificate of origin; **Market Procurement (1039)** for mixed-SKU consolidation up to USD 150,000 per declaration with simplified declaration and no-paper release.

QUALITY CONTROL

Model verification	Full part-number match
SMART self-test	Per-unit read
Firmware revision	Checked, not assumed
Label & print check	Capacity, RPM, cache
Surface inspection	No scratches, dents
Seal integrity	Factory-sealed, no re-marking

ORDER FLEXIBILITY

Mixed brands	WD + Seagate + Toshiba
Mixed capacities	1TB to 30TB+
Mixed form factors	3.5" / 2.5" / M.2
Mixed categories	HDD + SSD + memory
One consolidated	Shipment & invoice
Repurchase	Stock reserved by model

COMPLIANCE FILES

- **Letter of authorisation**
- **Authorised reseller declaration**
- **Serial-number traceability**
- **Commercial invoice & packing list**
- **HS-code classification sheet**
- **Certificate of origin (FORM E / RCEP)**

Documentation is archived per model and released on request for platform, tender or customs verification.

COVERAGE

The Complete Range, in One Purchase Order

CAPACITY SHOWN PER SERIES
CONTACT US FOR LIVE AVAILABILITY

3.5" DESKTOP & CLIENT

WD Blue	1–12TB
WD Black	500GB–6TB
WD Gold	1–26TB
WD Ultrastar DC	20–32TB
Seagate BarraCuda	2–24TB
Toshiba P300 / X300	500GB–20TB

NAS & RAID

WD Red / Red Plus	2–12TB
WD Red Pro	2–26TB
Seagate IronWolf	2–22TB
Seagate IronWolf Pro	2–32TB
Toshiba N300 / N300 Pro	4–24TB
Seagate Exos X16–X24	10–24TB

SURVEILLANCE

WD Purple	1–8TB
WD Purple Pro	8–26TB
Seagate SkyHawk	1–8TB
Seagate SkyHawk AI	8–32TB
Hikvision IoT / S300 AI	4–24TB
Toshiba S300 / S300 AI	1–24TB

2.5" LAPTOP & PORTABLE

WD Blue Mobile	500GB–2TB
WD Black Mobile	500GB–2TB
Toshiba L200	1–2TB
Seagate FireCuda / 2.5"	500GB–2TB
Portable external	1–6TB
Exos 7E2000 (2.5" nearline)	1–2TB

ENTERPRISE, PARTS & SPECIALISED

3.5" SAS	12Gb/s dual port
2.5" SAS	10K / 15K rpm
Toshiba MG series	SATA + SAS
Cinema server HDD	Qualified drives
Nearline 7200rpm	Archive layer
SSHD (legacy stock)	By model
iPhone replacement parts	Screen, battery, camera
Laptop replacement parts	Screen, battery, keyboard

SOLID STATE & MEMORY

SATA 2.5" SSD	Consumer & enterprise
M.2 NVMe / SATA	2280 / 2242 / 2230
U.2 NVMe	SFF-8639
DIMM DDR3/4/5	288-pin
SO-DIMM DDR3/4/5	260 / 262-pin
ECC RDIMM / LRDIMM	Lenovo, Samsung, hynix, Kingston

BUYER'S GUIDE · CMR VS SMR — DO NOT SKIP THIS

TECHNOLOGY	BEHAVIOUR	USE IT FOR
CMR — Conventional	Overwrites in place. Predictable sustained random write.	ANY NAS / RAID
SMR — Shingled	Rewrites entire bands on overwrite. Rebuild can drop from hours to days.	COLD ARCHIVE ONLY

Known SMR models we flag proactively on request: WD Red 2–6TB (WD20–60EFAX, DM-SMR), WD Blue WD20/30/40/60EZAZ, Seagate BarraCuda 3.5" 2–8TB (ST8000DM004 / ST6000DM003 / ST4000DM004 / ST3000DM007 / ST2000DM005), Seagate SkyHawk ST4000VX013, WD Ultrastar DC HC690 30/32TB (UltraSMR).

WD Red Plus, Red Pro, Purple, Purple Pro, Gold, Ultrastar HC560–HC670, IronWolf, IronWolf Pro, SkyHawk AI and Exos X are all CMR.

BUYER'S GUIDE · 512E VS 4KN — ARRAY COMPATIBILITY

FORMAT	GEOMETRY	AVAILABILITY
512e	Logical 512B, physical 4KB. Ships standard on all client, NAS and surveillance lines.	ALL SERIES
4Kn	Native 4K sectors. Enterprise only, usually switchable on the same model.	ENTERPRISE

512e and 4Kn cannot be mixed inside one RAID array — the whole set must match. Seagate Exos X20/X24 switch via FastFormat (erases data); Toshiba MG10/MG11 reformat to 4Kn in the field; WD Ultrastar HC560/HC580/HC590 ship both variants. Confirm controller and OS support before ordering 4Kn.

Model-number discipline. The same series name covers different generations. WD Blue 6TB exists as both EZAZ (SMR) and EZAX (CMR); WD Red 6TB EFAX is SMR while

JINHUA SHEHE INTERNATIONAL TRADE CO., LTD.

BRAND LINE CARD · 01

Western Digital & Seagate
3.5" Desktop · NAS · Surveillance

WORKLOAD TB/YEAR AND WARRANTY SHOWN — THE REAL DIFFERENTIATORS

WESTERN DIGITAL 3.5" — FULL RANGE WESTERN DIGITAL

SERIES	CAPACITY	RPM / CACHE	RECORDING	WORKLOAD	WARRANTY	PRIMARY USE
WD Blue	1–12TB	5,400 / 64–512MB	CMR SMR	—	2 yr	Desktop, secondary disk
WD Black	500GB–6TB	5,400–7,200 / 64–256MB	CMR	—	3 yr	Gaming, performance
WD Red Plus	2–12TB	5,400–7,200 / 64–512MB	CMR	180TB/yr	3 yr	NAS 1–8 bays
WD Red Pro	2–26TB	7,200 / 512MB	CMR	550TB/yr	5 yr	Enterprise NAS, unlimited bays
WD Purple	1–8TB	5,400 / 64–256MB	CMR	180TB/yr	3 yr	DVR / NVR, up to 64ch
WD Purple Pro	8–26TB	7,200 / 512MB	CMR	550TB/yr	5 yr	AI video analytics
WD Gold	1–26TB	7,200 / 128–512MB	CMR	550TB/yr	5 yr	Server, AI storage
WD Ultrastar DC	20–32TB	7,200 / 512MB	CMR ULTRASMR	550TB/yr	5 yr	Data centre nearline

WD Blue spans both technologies across capacity brackets — WD20EZAZ / WD30EZAZ / WD40EZAZ / WD60EZAZ are SMR, while WD40EZAX / WD60EZAX are CMR. WD Ultrastar DC HC690 (30/32TB) is UltraSMR and is intended for sequential write workloads only.

SEAGATE 3.5" — FULL RANGE SEAGATE

SERIES	CAPACITY	RPM / CACHE	RECORDING	WORKLOAD	WARRANTY	PRIMARY USE
BarraCuda (new gen)	16 / 20 / 24TB	7,200 / 512MB	CMR	120TB/yr	2 yr	Large desktop, media library
BarraCuda (older gen)	2–8TB	5,400 / 256MB	SMR	55TB/yr	2 yr	Entry desktop / home NAS
IronWolf	2–22TB	5,400–7,200 / 256–512MB	CMR	180TB/yr	3 yr	NAS 1–8 bays
IronWolf Pro	2–32TB	7,200 / 256–512MB	CMR	550TB/yr	5 yr	Commercial NAS, creators
SkyHawk	1–8TB	5,400 / 64–256MB	CMR	180TB/yr	3 yr	Surveillance 24/7
SkyHawk AI	8–32TB	5,400–7,200 / 256–512MB	CMR	550TB/yr	5 yr	AI NVR, 64ch + 32 streams
Exos X16–X24	10–24TB	7,200 / 256–512MB	CMR	550TB/yr	5 yr	Data centre, RAID, backup
Exos M (Mozaic 3+)	32TB	7,200 / 512MB	HAMR PLATFORM	—	5 yr	AI & object storage

Seagate BarraCuda splits generations: the 16–24TB current models are 7,200rpm CMR, while the 2–8TB legacy range (ST8000DM004 and below) is 5,400rpm SMR. IronWolf, IronWolf Pro, SkyHawk AI and Exos X are CMR across the range.

TOSHIBA & LEGACY

- **P300 desktop** — 500GB–6TB
- **X300 performance** — 4–20TB · CMR
- **L200 mobile** — 1–2TB
- **N300 NAS** — 4–22TB · CMR
- **S300 surveillance** — 1–10TB
- **MG enterprise** — 1–24TB · CMR

A NOTE ON HGST

The HGST brand was retired globally in 2018. Its former lines map to current products: **Ultrastar** → WD Ultrastar DC, **Deskstar** → WD Blue / Black, **Travelstar** → 2.5" mobile, **CinemaStar** → WD Purple. If your BOM carries an HGST part number, send it to us and we will quote the current equivalent.

SUPPLY NOTE

Availability by model changes weekly against factory allocation. **We confirm live stock and current pricing against your exact part numbers within 24 hours** — please send model and quantity, and we will reply with availability, lead time and a proforma invoice.

BRAND LINE CARD · 02

Enterprise, SAS, Surveillance & Specialised Lines

THE LINES MOST BUYERS GET WRONG

ENTERPRISE SAS & SATA DATA CENTRE GRADE

MODEL / SERIES	CAPACITY	INTERFACE	CACHE	WARRANTY
Seagate Exos X24 (SATA)	24TB	SATA 6Gb/s	512MB	5 yr
Seagate Exos X24 (SAS)	24TB	SAS 12Gb/s dual port	512MB	5 yr
Seagate Exos X20 / X18 (SAS)	18–20TB	SAS 12Gb/s	256MB	5 yr
WD Ultrastar DC HC580	22TB	SATA / SAS 12Gb/s	512MB	5 yr
WD Ultrastar DC HC590	24–26TB	SATA / SAS 12Gb/s	512MB	5 yr
WD Ultrastar DC HS760	20TB (2×10TB LUN)	SAS 12Gb/s single port	—	5 yr
Toshiba MG10 (SATA / SAS)	up to 20TB	SATA / SAS 12Gb/s	512MB	5 yr
Seagate Exos 10E2400 (2.5")	600GB–2.4TB	SAS 12Gb/s, 10K rpm	256MB + 16GB SLC	5 yr

All listed models are CMR, 550TB/year workload, 2.5M MTBF, 512e or 4Kn. WD Ultrastar DC HS760 uses a dual-actuator design presented as two independent 10TB LUNs — unique in the current line-up.

HIKVISION SURVEILLANCE

- **DS60HKVS-VX1** — 6TB · 5400rpm · 256MB
- **HK724 / 726 / 728 / 7210 / 7216** — 4–16TB · 7200rpm · 256MB
- **HK7220AH (IoT)** — 20TB · helium · 512MB

Firmware encryption matters. The HK7xx IoT series uses firmware encryption with a secret key — they only mount on Hikvision DS-AIoT and compatible storage. Pair with Hikvision NVRs only.

DIGITAL CINEMA SERVER HDD

There is no separate "cinema drive" product category. These are enterprise drives selected against each projector vendor's qualified-drive list, installed in 3-bay RAID5 hot-swap arrays.

- **Barco ICMP / ICMP-X qualified** — 1TB, 2TB
- **Seagate Exos 7E2000** — ST2000NX0253 · 2TB
- **Seagate 1TB** — ST1000NX0313
- **Dolby / Doremi list** — 1–4TB, 512e / 4Kn

Two traps. Desktop and AV drives are both unsafe here: desktop drives retry bad blocks for up to two minutes and get kicked from the RAID, while AV drives skip bad blocks in milliseconds and create uncorrectable errors. Cinema servers also use **SATA only** — SAS will not work without an HBA.

NEARLINE & 2.5" PERFORMANCE

- **Exos 7E2000 (2.5" nearline)** — 1–2TB · 7200rpm
- **Exos 10E2400** — 10K rpm SAS
- **Toshiba AL series** — 2.5" 15K SAS
- **Ultrastar DC HC690** — 30–32TB UltraSMR

PORTABLE & ACCESSORIES

- **Portable external** — 1–6TB · USB 3.2
- **2.5" enclosure** — USB 3.2 Gen1/Gen2
- **M.2 → USB enclosure** — NVMe + SATA · UASP
- **SATA → USB cable** — JMS578 / JMS567
- **M.2 / U.2 adapters** — 2280 / 2242 / 2230

SSHD STATUS

Hybrid SSHD is a discontinued category: WD Blue SSHD and WD Black SSHD are end-of-life, and Seagate has moved the FireCuda name to pure SSDs. We still carry residual stock of specific Seagate FireCuda 2.5" models (1TB / 2TB) subject to availability — quoted on request, and never presented as a current product line.

MEMORY · LOGISTICS · COMPLIANCE

Server Memory & How We Ship It to You

MEMORY IS ORDERED TOGETHER WITH DRIVES ON THE SAME PROFORMA INVOICE

MEMORY RANGE

TYPE	SPEC	NOTE
DIMM DDR3 / DDR3L	240-pin · 1.5V/1.35V	1066–1866
DIMM DDR4	288-pin · 1.2V	2133–3200
DIMM DDR5	288-pin · 1.1V	4800–6400
SO-DIMM DDR3/4/5	204 / 260 / 262-pin	Laptop
ECC RDIMM	288-pin · ECC	Server
LRDIMM	288-pin · Load Reduced	High capacity
3DS RDIMM	128 / 256GB	Density

DDR5 SO-DIMM uses a different pin count (262) and a shifted notch position from DDR4 (260) — they are not interchangeable. Retail listings frequently mislabel DDR5 desktop modules as 260-pin; we always quote the manufacturer specification.

LENOVO THINKSYSTEM SERVER MEMORY

SR630 V3 (32 slots)	TruDDR5 4800 · 1 DPC 4800 / 2 DPC 4400 · up to 8TB
SR630 V3 Gen 5 EPYC	TruDDR5 5600 · 1 DPC 5600 / 2 DPC 4400–4800
SR860 V3 (64 slots)	TruDDR5 4800 / 5600 · up to 16TB · Performance+ RDIMM
Module range	16 / 24 / 32 / 48 / 64 / 96 / 128 / 256GB (3DS)

MAJOR BRANDS

- **Samsung** — DDR5 UDIMM 32GB · ECC RDIMM
- **SK hynix** — DDR4-2933 / DDR5-4800 RDIMM 32–64GB
- **Kingston** — Server Premier 64GB DDR4-3200 2Rx4 CL22
- **Kingston FURY Beast** — DDR5-6000 CL30 · EXPO / XMP 3.0

EXPORT PACKING ISTA 3A ALIGNED

1. **Anti-static bag** — Single drive per bag, air evacuated and sealed.
2. **Foam tray** — Custom EPE cradle, ~3cm each side, void filled.
3. **Corrugated carton** — Five-layer box, gross weight ≤25kg, "工" sealed.
4. **Palletised** — Stretch wrap, 1200×1000mm, stacking ≤3 layers.

Every carton is marked with the shipping mark, gross and net weight, dimensions, destination, and FRAGILE / THIS SIDE UP / KEEP DRY / ANTI-STATIC handling symbols in both English and Chinese. Solid wood pallets require IPPC fumigation or heat treatment with the mark applied; no second-hand cartons are used.

FREIGHT OPTIONS DDP DOOR TO DOOR

MODE	TRANSIT	COST GUIDE	BEST FOR
Sea FCL 20GP / 40HQ	25–45 days	$800–4,000 / container	Bulk, 15+CBM
Sea LCL	25–55 days	$70–200 / CBM	1–15 CBM, mixed SKU
Air freight	3–10 days	$3.5–9 / kg	Urgent restock
Express	1–7 days	$5–15 / kg	Samples, documents
China–Europe rail	12–25 days	$2–4 / kg	Europe, Central Asia

Main lanes: Middle East via Jebel Ali / Dammam (25–35 days), Southeast Asia (3–7 days, FORM E zero duty), Russia by rail and road (12–25 days), Europe via Rotterdam / Hamburg (28–38 days), South America (30–45 days). Below roughly 2 CBM, express or air is usually cheaper than LCL once destination charges apply.

COMPLIANCE ROUTING — WHERE MOST COMPETITORS GET IT WRONG

European Union

Bare internal drives and memory modules are components and do not carry standalone CE marks. External USB drives and anything with a power adapter do require CE, RoHS and WEEE/EPR registration. We supply the documentation pack — CE DoC, RoHS reports, EPR registration numbers and a model-to-document mapping — filed per model and archived for ten years.

Russia & Central Asia

EAC is **not** required for drives and memory shipped as standalone components — TR CU 020/2011 exempts parts. EAC becomes mandatory for complete servers (TR CU 004/2011 + 020/2011). We support either route with Russian-language technical files, CE report reuse, EAC mark with dynamic QR, and Russian labelling. Note the 2026-03-01 QR labelling deadline and 2026-09-01 platform disclosure rules on Ozon and Wildberries.

Duty & Classification

HDD **8471.70 1900** · SSD **8471.70 1100** · memory modules **8473.30 9000** (capacity must be declared). All three carry a 13% export VAT rebate. Preferential duty is 0% for ASEAN, RCEP, Australia, Chile, Peru, Korea, Switzerland, the UK, Hong Kong and Macau — we issue the matching certificate of origin with every eligible shipment.

NEXT STEP

Send Us Your List, Get a Proforma in 24 Hours

PROFORMA · PACKING LIST · COMMERCIAL INVOICE
SAME DAY AFTER STOCK CONFIRMATION

WHAT TO SEND US

Brand and full part number	e.g. ST2000NX0253
Quantity per model	Mixed models accepted
Destination country / city	For freight planning
Incoterm	EXW / FOB / CIF / DDP
Target timing	Stock is allocated by model
Certificate needs	FORM E / RCEP, COO, EAC

OPTIONAL — SAMPLES & ATA CARNET

For evaluation units, joint testing or competitor benchmarking, an **ATA Carnet** lets the goods move under temporary admission and re-export without import duties. China issues it through the CCPIT — one year validity, renewable once, online application completed in three working days, and currently recognised in 81 countries including the EU, the UK, the US, Russia, Kazakhstan, the GCC and Brazil. ATA items are also exempt from inspection. **Note:** the Carnet is for temporary admission, not for commercial sale — we will confirm admissibility with the destination customs before shipping higher-value sample drives.

DOCUMENTS WE ISSUE

- Proforma invoice
- Packing list
- Commercial invoice
- Certificate of origin
- Letter of authorisation
- HS classification sheet

CONTACT

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WHATSAPP
Scan to chat

Live photos of every model we ship are posted on our **Shehe Storage** Facebook page — check it before you order.

WHY BUYERS KEEP COMING BACK

- **Allocation when the market has none**
- **One invoice across brands and categories**
- **Full part-number discipline, no SMR surprises**
- **Documents that clear customs and platform audits**
- **Zero-duty certificates where they apply**

COMPANY SEAL

Proforma invoices, letters of authorisation and declarations are issued under the registered company seal of Jinhua Shehe International Trade Co., Ltd. Contact us if you need the registration certificate, the authorisation letter or the authorised-reseller declaration for your own compliance file.

CLOSING NOTE

Factory allocation for 2026–2027 is already committed. The buyers who secure stock now at today's price are the ones who still have supply in 2027. We are not competing on being the cheapest — the market has moved past that. We compete on **whether the goods physically exist, whether they are genuine, and whether they reach your warehouse intact and documented**.

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