

Smart Lock Products & Access Management Solutions

Integrated R&D, Manufacturing,
OEM/ODM and B2B Supply



SMART DOOR LOCKS • SMART PADLOCKS • CABINET & LOCKER LOCKS • ACCESS MANAGEMENT

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2026 PRODUCT CATALOG

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ABOUT ROYALOCK

Integrated R&D, Manufacturing & B2B Supply

ROYALOCK smart lock products are developed and supplied by Xiamen Hanzheng Electronics Co., Ltd. Founded in 2015, the company integrates product development, manufacturing, assembly, testing and B2B supply. The range covers smart door locks, smart padlocks, cabinet and locker locks, and selected access-management solutions. OEM/ODM and project support are available for international markets.



Product Development

Design and structural adaptation



Manufacturing & Testing

Assembly, testing and quality control



OEM/ODM Support

Samples, customization and production support



B2B Supply

Standard products and bulk-order supply



2015

Founded

250,000+

Units Supplied

15+

Countries & Regions

30+

Product Categories



Product Range

Product Overview

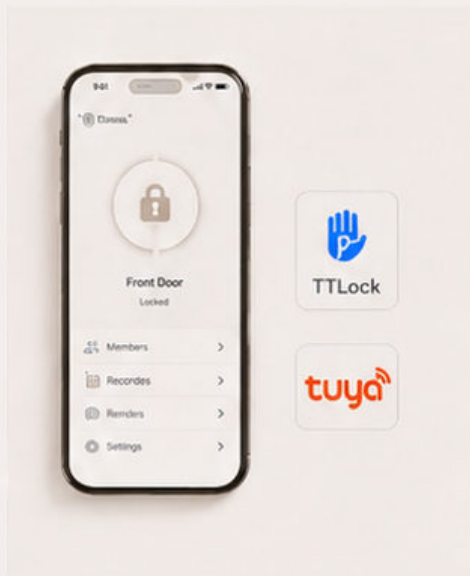
Six core product categories for residential, rental, hospitality, utility and access management applications.



01

Smart Door Locks

Residential · Rental · Hospitality



02

Hotel & Access Management

TTLock · Tuya · Rental Solutions



03

Smart Padlocks

Portable · Giftable · Utility



04

Cabinet & Locker Locks

Lockers · Cabinets · Furniture



05

Glass Door & Special Application Smart Locks

Glass Doors · Cable · Chain



06

Lock Bodies, Installation Components & Accessories

Mortises · Cylinders · Hardware

H-8X-N-TY

Full-automatic face recognition smart entrance lock for apartments, homes, offices and project doors.

 FULL-AUTOMATIC

 TUYA

 40-90 mm DOORS



Illuminated keypad & touch control panel



Side view (mortise detail)

PRODUCT OVERVIEW

FEATURE	H-8X-N-TY
Operating Mode	Connected
Connectivity	Bluetooth; optional Wi-Fi gateway
Platform	Tuya
Unlocking Methods	Face Recognition, Fingerprint, PIN Code, RFID Card, NFC, App, Mechanical Key
Power Supply	Rechargeable lithium battery
Core Functions	Video door viewer, visual intercom, temporary passcodes, access records

UNLOCKING METHODS

 Face Recognition

 Fingerprint

 PIN Code

 RFID Card / NFC

 App

 Mechanical Key

KEY SPECIFICATIONS

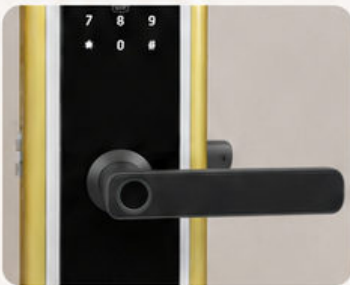
	Compatible Door Types	Wooden, steel and security doors
	Door Thickness	40-90 mm
	Door Handling	Left / Right / Reversible
	Panel Dimensions	Front 419 × 63 × 50 mm; Rear 405 × 75 × 29 mm
	Battery	4200 mAh rechargeable lithium battery
	Emergency Power Input	Type-C



6068 mortise configuration.
Confirm drawings and installation dimensions before ordering.

H-1AP Series

Practical smart entrance door lock series for apartments, rentals, homes and offices.



-  SEMI-AUTOMATIC
-  TTLOCK
-  40-90 mm DOORS

UNLOCKING METHODS

-  Fingerprint
-  PIN Code
-  RFID Card
-  App
-  Mechanical Key

KEY SPECIFICATIONS

	Compatible Door Types	Security, steel and wooden doors
	Door Thickness	40-90 mm
	Door Handing	Left / Right / Reversible
	Panel Dimensions	364 × 70 × 21 mm
	Material	Aluminum alloy
	Emergency Power Input	Type-C

 6068 mortise configuration.
Confirm drawings and installation dimensions before ordering.

MODEL COMPARISON

FEATURE	H-1AP-N-TT	H-1AP-SA
Operating Mode	Connected	Standalone
Connectivity	Bluetooth; optional Wi-Fi gateway	No Bluetooth or Wi-Fi module
Management Platform	TTLock	Local management
Unlocking Methods	Fingerprint, PIN Code, RFID Card, App, Mechanical Key	Fingerprint, PIN Code, RFID Card, Mechanical Key
Power Supply	8 × AA batteries	4 × AA batteries

H-2AP-N-TT

Practical smart entrance door lock for apartments, rentals, homes and offices.



SEMI-AUTOMATIC



TTLOCK



40-90 mm DOORS



UNLOCKING METHODS



Fingerprint



PIN Code



RFID Card



App



Mechanical Key

KEY SPECIFICATIONS



Compatible Door Types

Security, steel and wooden doors



Door Thickness

40-90 mm



Door Handling

Left / Right / Reversible



Power Supply

4 × AA batteries



Panel Dimensions

360 × 70 × 18 mm



Emergency Power Input

Type-C



6068 mortise configuration.

Confirm drawings and installation dimensions before ordering.

PRODUCT OVERVIEW

FEATURE	H-2AP-N-TT
Operating Mode	Connected
Connectivity	Bluetooth; optional Wi-Fi gateway
Management Platform	TTLock
Unlocking Methods	Fingerprint, PIN Code, RFID Card, App, Mechanical Key
Power Supply	4 × AA batteries
Emergency Access	Emergency Power Input: Type-C; Mechanical Key

R-2AP Series

Smart room door locks with multiple configurations for wooden doors, apartments and offices.

 SEMI-AUTOMATIC

 TTLOCK / TUYA / STANDALONE

 35-55 mm DOORS



Illuminated keypad & handle



Side profile & latch detail

UNLOCKING METHODS

 Fingerprint

 PIN Code

 RFID Card

 App
(varies by model)

 Mechanical Key

KEY SPECIFICATIONS

	Operating Mode	Semi-Automatic
	Compatible Door Type	Wooden room doors
	Door Thickness	35-55 mm
	Door Handling	Left / Right / Reversible
	Main Material	Aluminum alloy
	Emergency Power Input	Type-C



Most 5050 versions: front 281 × 64 × 20 mm;
rear 281 × 65 × 24 mm.
R-2AP-DB-N-TY rear: 282 × 65 × 24 mm.
Single-latch: front 282 × 65 × 20 mm;
rear 282 × 65 × 24 mm. Confirm drawings before ordering.

MODEL SELECTION

MODEL	LOCK STRUCTURE	MANAGEMENT / PLATFORM	FP	KEY DIFFERENCE
R-2AP-DB-N-TT	5050 Deadbolt	TTLock · Bluetooth · optional gateway	Yes	Connected
R-2AP-DB-SA	5050 Deadbolt	Standalone · Local	Yes	No Bluetooth / Wi-Fi
R-2AP-SL-N-TT	Single Latch	TTLock · Bluetooth · optional gateway	Yes	Single-latch
R-2AP-SL-SA	Single Latch	Standalone · Local	Yes	Standalone single-latch
R-2AP-DB-NF-N-TT	5050 Deadbolt	TTLock · Bluetooth · optional gateway	No	Without fingerprint
R-2AP-EDB-N-TT	5050 Electronic Privacy	TTLock · Bluetooth · optional gateway	Yes	Electronic privacy
R-2AP-DB-N-TY	5050 Deadbolt	Tuya · Bluetooth · optional gateway	Yes	Tuya version

HL Series

Connected smart lever-lock series for apartments, rentals, homes and offices.



SEMI-AUTOMATIC

TUYA

35–55 mm DOORS

UNLOCKING METHODS

- 
Fingerprint
- 
PIN Code
- 
RFID Card
- 
App
- 
Mechanical Key

KEY SPECIFICATIONS

- **Compatible Door Types**Wood, interior, office and framed glass doors
- **Door Thickness**35–55 mm
- **Door Handling**Left / Right / Reversible
- **Material**Aluminum handle with ABS / silicone components
- **Power Supply**4 × AAA batteries
- **Emergency Power Input**Type-C

 Functions and compatibility may vary by configuration.
Confirm drawings and installation dimensions before ordering.

MODEL COMPARISON

FEATURE	HL-1A-N-TY	HL-2A-N-TY
Structure	Round-rose lever lock	Square-rose lever lock
Key Dimensions	Handle 156 × 28 × 20 mm Round Rose Ø65 × 15 mm	Front Panel 160 × 60 × 20 mm
Weight	591 g	354 g
Door Thickness	35–55 mm	35–55 mm
Management	Tuya · Bluetooth · optional gateway	Tuya · Bluetooth · optional gateway

B-1AP Series

Practical smart lock series for narrow-frame aluminum doors, aluminum doors and framed glass doors.

 SEMI-AUTOMATIC

 TTLOCK

 35-80 mm DOORS



UNLOCKING METHODS

 Fingerprint

 PIN Code

 RFID Card

 App

 Mechanical Key

KEY SPECIFICATIONS

 Compatible Door Types	Narrow-frame aluminum doors, aluminum alloy doors, metal narrow-frame doors, framed glass doors
 Door Thickness	35-80 mm
 Door Handing	Left / Right Reversible
 Panel Dimensions	317 × 35 × 22 mm
 Material	ADC12 die-cast aluminum alloy, tempered glass
 Power Supply	4 × AAA batteries
 Emergency Power Input	Type-C
 Protection	IP65

 Mortise compatibility varies by door profile. Confirm mortise drawing and installation dimensions before ordering.

MODEL COMPARISON

FEATURE	B-1AP-N-TT	B-1APH-N-TT
Operating Mode	Connected	Connected
Connectivity	Bluetooth; optional Wi-Fi gateway	Bluetooth; optional Wi-Fi gateway
Platform	TTLock	TTLock
Unlocking Methods	Fingerprint, PIN Code, RFID Card, App, Mechanical Key	Fingerprint, PIN Code, RFID Card, App, Mechanical Key
Battery	4 × AAA	4 × AAA
Mortise Configuration	Standard mortise, guide plate 240 × 22 mm, depth approx. 44 mm	Swing-hook mortise, guide plate 270 × 22 mm, depth 45 mm
Main Difference	Standard narrow-frame application	Hook-style locking for narrow-frame doors

J-4A Hotel Lock

& Access Management

RFID hotel lock for boutique hotels, guesthouses and small hotel projects.

 SEMI-AUTOMATIC

 HOTEL LOCK

38–50 mm DOORS



UNLOCKING METHODS



RFID Card



Mechanical Key

KEY SPECIFICATIONS

SPECIFICATION	CONFIRMED VALUE
Compatible Door	Hotel room doors; confirm mortise
Door Thickness	38–50 mm; project options on request
Door Handling	Reversible
Housing	Titanium-aluminum alloy
Power Supply	4 × AA batteries
Battery Life	≥ 12 months
Emergency Power Input	Type-C
Emergency Access	Mechanical Key

Mortise drawings and installation dimensions must be confirmed before ordering.

HOTEL ACCESS MANAGEMENT OPTIONS

OFFLINE RFID CARD MANAGEMENT

- Card Encoder
- RFID Credentials
- Local card authorization

Integration with hotel PMS or third-party systems is subject to project-specific confirmation.

CONNECTED VERSION

- Bluetooth access management
- TTLock or customized platform
- Wi-Fi remote management requires a separate gateway

SG100

SG100

Mini Fingerprint Padlock

Compact fingerprint access for bags, luggage, lockers and small personal items.



FAST FACTS



20

FINGERPRINTS



36 g

ULTRA-LIGHT



100 mAh

RECHARGEABLE BATTERY



3+

MONTHS BATTERY LIFE

KEY SPECIFICATIONS

SPECIFICATION	VALUE
Unlocking Method	Fingerprint
Body Size	40 × 29.4 × 15.6 mm
Body Material	ABS
Power	100 mAh rechargeable battery
Charging Port	Type-C
Standard Shackle	62.5 × 29.4 mm
Customization	300–600 mm circumference



FAST & SECURE ACCESS

Advanced fingerprint sensor for quick, keyless entry.



TYPE-C CHARGING

Convenient Type-C charging port for quick recharging.



CUSTOM DESIGN OPTIONS

OEM colors, patterns and packaging available for gift and promotional projects.

APPLICATIONS



Backpack



Luggage



Locker



Personal Items



Creative Gift

SP600-N-TY

SP600-N-TY

Smart Waterproof Padlock

Compact smart padlock with fingerprint access and Tuya app control for lockers, cabinets, gates, storage boxes and outdoor utility use.

FAST FACTS

			
IP65	20	150 mAh	5 mm
WATERPROOF	FINGERPRINTS	RECHARGEABLE BATTERY	SHACKLE DIAMETER

KEY SPECIFICATIONS

Unlocking Methods	Fingerprint, App
Connectivity	Bluetooth
Body Material	Zinc Alloy Body
Waterproof Rating	IP65
Battery	150 mAh Rechargeable Battery
Charging Port	Type-C
Shackle Material	Stainless Steel, 5 mm
Available Colors	White, Black, Dark Gray, Red



WATERPROOF PROTECTION

IP65 rated for outdoor and utility use.



SMART ACCESS

Unlock by fingerprint or Tuya app.



MULTI-COLOR OPTIONS

Available in white, black, dark grey and red.

APPLICATIONS



Locker



Cabinet



Gate



Toolbox



Outdoor Storage

CUSTOM OPTIONS



Colors



Logo



Packaging

SP800-N-TY / SP800-N-TT

SP800 Series

Heavy-Duty Smart Padlock

Heavy-duty smart padlock with fingerprint, PIN code, RFID card, mechanical key and app access, available in Tuya and TTLock versions for gates, storage, industrial and outdoor use.

FAST FACTS



SUS304
Shackle



PIN
Keypad



Tuya / TTLock



Heavy
Duty

KEY SPECIFICATIONS

Unlocking Methods	Fingerprint, PIN Code, RFID Card, App, Mechanical Key
Fingerprint Capacity	50 Fingerprints
Connectivity	Bluetooth
Platform	SP800-N-TY — Tuya SP800-N-TT — TTLock
Body Material	Zinc Alloy Body
Shackle Material	SUS304 Stainless Steel Shackle
Power Supply	Rechargeable Lithium Battery
Charging Port	Type-C
Available Colors	Silver, Black



HEAVY-DUTY SECURITY

Robust zinc alloy body and SUS304 shackle deliver strong protection for industrial and outdoor use.



MULTI-ACCESS CONTROL

Unlock with fingerprint, PIN code, IC card, Tuya app, or mechanical key for maximum flexibility.



PACKAGING REFERENCE

Packaging and included accessories may vary by order configuration.

APPLICATIONS



Gate



Warehouse



Fence



Container



Toolbox



Outdoor Storage

CUSTOM OPTIONS



Color



Logo



Packaging

K16 + CTS10

Compact smart lock solutions for drawers, cabinets, lockers and shared storage.

K16

Fingerprint and App cabinet lock for drawers, file cabinets and personal storage.



CTS10

Fingerprint, PIN Code and App cabinet lock for lockers and shared storage.



INSTALLATION RELATIONSHIP

FRONT PANEL

K16: 31 × 31 mm
CTS10: 88 × 50 mm

BORE / CABINET DOOR

Bore Diameter: Ø 16 mm
Cabinet Door: 16–22 mm

REAR LOCK BODY

Body Size: 87 × 60 mm
71 mm installation height

Both models: Surface-Mounted · Long-cylinder version · Bolt movement: Up / Down

FEATURE	K16	CTS10
Unlocking Methods	Fingerprint; App	Fingerprint; PIN Code; App
Connectivity	Bluetooth	Bluetooth
Management Platform	Tuya	Tuya
Installation	Surface-Mounted	Surface-Mounted
Charging Port	Type-C	Type-C

APPLICATION FIT

K16

Drawers · File Cabinets · Furniture Cabinets
Personal Storage · Office Storage

CTS10

Office Lockers · Staff Lockers · Shared Cabinets
Public Cabinets · Multi-Unit Cabinet Projects

U9-N-TY

Smart Clamp Lock for Glass Door Handles

Designed for glass doors with pull handles.
Handle spacing: 200–400 mm.
No drilling required; removable clamp design.



- Fingerprint / PIN Code / RFID Card
- App (Tuya)
- Mechanical Key
- Charging Port: Type-C



No Drilling Required



For Glass Door Handles



Easy Daily Use

Flexible Lock Solutions

CS3HX-N-TY

Smart Steel Cable Lock



CS3TL-N-TY

Smart Chain Lock



CS3GL-N-TY

Retractable Cable Lock



CONFIRMED FLEXIBLE-LOCK SPECIFICATIONS

MODEL	EFFECTIVE LENGTH	DIAMETER	WEIGHT
CS3HX-N-TY	450 mm	15.8 mm	445 g
CS3TL-N-TY	600 mm	8–12 mm	765 g
CS3GL-N-TY	1,500 mm	12 mm	650 g

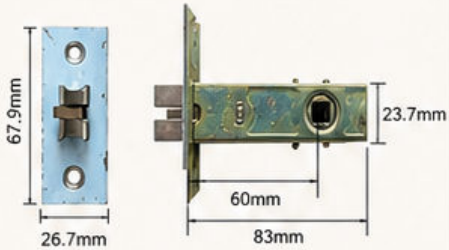
Shared: Tuya · Bluetooth · 250 mAh · Battery Life ≥ 6 months · Charging Port: Type-C · Water-Resistant

LOCK BODIES & MORTISE OPTIONS

Common lock body solutions for smart locks, aluminum doors, interior doors, and entrance doors.

Select the appropriate mortise according to door type, panel size, backset, center distance, and installation requirements.

1

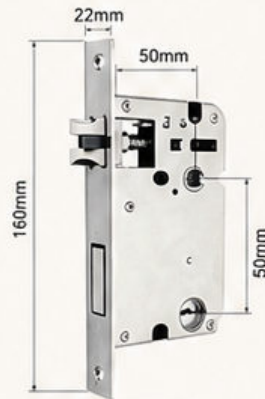


L-SL-68

Single Latch Mortise

Faceplate 67.9 x 26.7 mm | Body Length 83 mm | Backset 60 mm

2

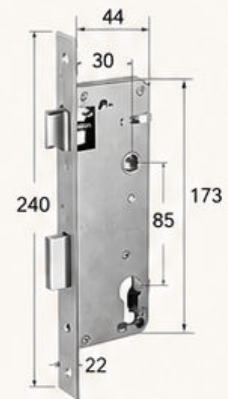


L-DB-5050

Privacy Mortise

Faceplate 160 x 22 mm | Specification 50 x 50

3

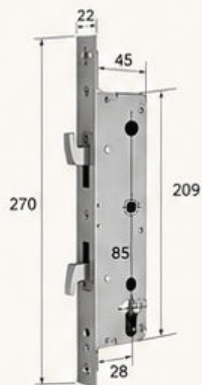


L-B-3085

Narrow Aluminum Door Mortise

Faceplate 240 x 22 mm | Backset 30 mm | Centers 85 mm

4

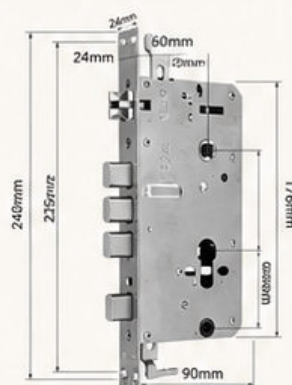


L-BH-2885

Hook Mortise for Aluminum Door

Faceplate 270 x 22 mm | Backset 28 mm | Centers 85 mm

5



L-6068

Standard Entrance Door Mortise

Faceplate 240 x 24 mm | Backset 60 mm | Centers 68 mm

6



L-KB-30-388

Small King Mortise

Faceplate 388 x 30 mm | Backset 60 mm | Centers 68 mm

7



L-KB-40-388

King Mortise

Faceplate 388 x 40 mm | Backset 60 mm | Centers 68 mm

30



30 mm
L-KB-30-388

40



40 mm
L-KB-40-388

Same mortise body design and dimensions.

Faceplate width options: 30 mm or 40 mm.



Typical mapping: L-6068 — H-8X / H-1AP / H-2AP; L-DB-5050 — R-2AP non-single-latch versions.

Final mortise selection depends on door structure and confirmed installation drawings.

SYSTEM ACCESSORIES & DISPLAY SUPPORT

Supporting items for hotel lock projects, showroom presentation, and installation preparation.

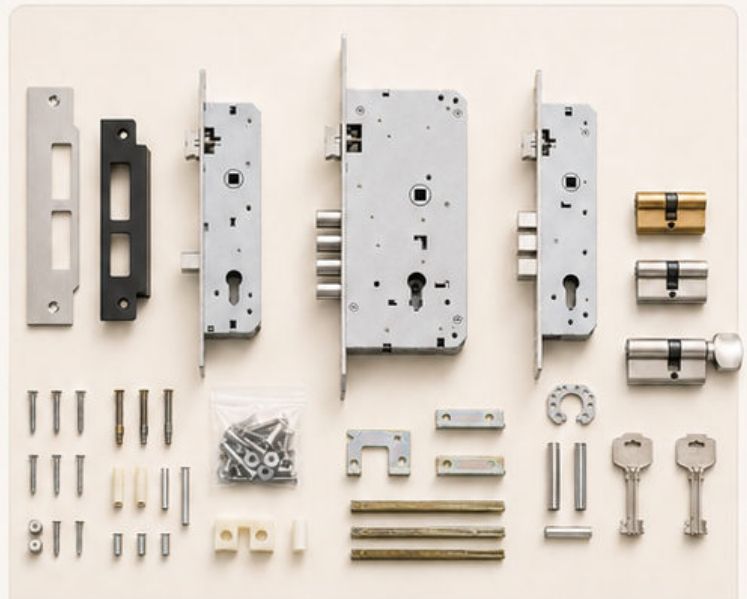
System Accessories

- Card Encoder & Card Issuer
- RFID Cards & Key Fobs
- Supplied according to system configuration



Display & Project Support

- Smart Lock Display Stand
- Customized display stand, logo and material options
- Available for project discussion
- Display stand only. Locks are not included.



Project Installation Support

- Components selected by lock model and door type
- Supplied according to project requirements
- No fixed included-accessory commitment



Card Encoder



RFID Cards



Key Tags



Display Stand



Lock Bodies



Installation Kit



We help you choose the right products and match the optimal structure for your application and market needs.



From branding and product adaptation to custom development, packaging and manuals — tailored to your requirements.



We provide samples and technical testing support to ensure performance, quality and compatibility.



Professional packaging solutions, reliable delivery and full project coordination for smooth execution.



>



✕

**ROYALOCK**

Quality, Compliance & Delivery

ROYALOCK supports production coordination, in-process inspection, final checking, packaging control, and shipment execution for smart lock projects and related accessories.



Production Coordination

Organized assembly and packing workflow for smart locks and related accessories.



In-Process Quality Check

Visual inspection and functional checking during assembly to support product consistency.



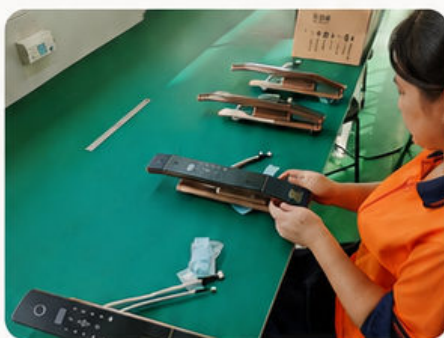
Final Inspection & Testing

Sample checking, assembly verification, and key function confirmation before packing.



Packaging & Delivery Support

Export packing, carton handling, loading coordination, and delivery execution based on project needs.



Assembly & Final Check

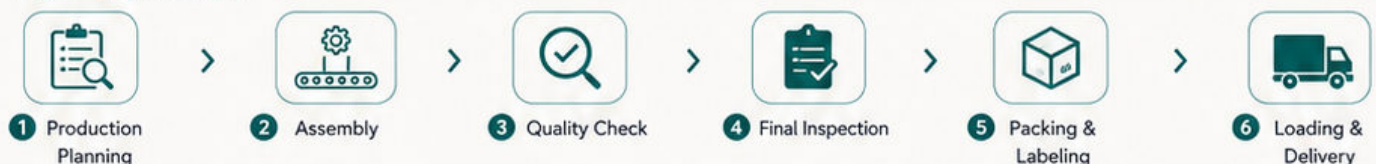


Batch Testing / Internal Verification



Shipment Loading

How We Work



Certification and test documentation vary by product model and destination market. Please confirm before ordering.

LET'S BUILD THE RIGHT LOCK FOR YOUR MARKET.

From product selection to OEM / ODM and project support.



LET'S CONNECT

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SCAN TO VISIT OUR WEBSITE

