

U94

Series

Touchless Smart Lock

Dual authentication



klacci[®]
life unlocked.



U94

Series

Touchless Smart Lock

Dual authentication

Contents

Creating a Safer and Healthier Community by Touchless Solutions	1
A True Pioneer in The New Era	3
Linkage® System Application	7
Linkage® System Platform	9
U94 Mortise Lock	11
Electronic Specifications	13
Mechanical Specifications	14
U940 Mortise Lock	14
U941 Mortise Lock(Heavy duty)	15
About Klacci	16
Project References	17



Creating a Safer and Healthier Community by Touchless Solutions

The touching surface of door hardware in high traffic and public use areas fabricates a perfect environment for harmful microbial to cultivate. The door hardware industry being the battlefield to navigate the rapidly evolving landscape, is quickly adopting the COVID-19 protocols to reduce the number of touchpoints in buildings especially at door opening.

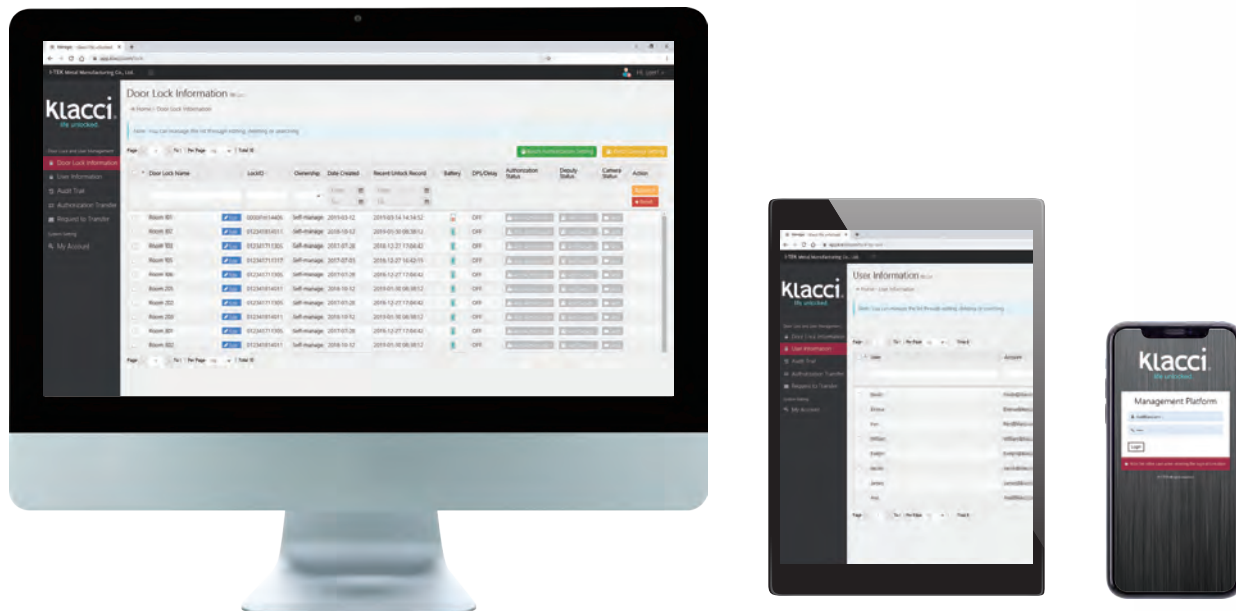
COVID-19 has changed the lifestyle and the way how people interact with each other every day. Commercial businesses or government buildings are focusing not just on the safety, but also the wellness of their employees and customers more than ever. Minimizing health risks to the building occupants have becoming the next foremost important factor next to safety and security.

Klacci is taking the Electronic Access Control to the next level with utilization of the Mobile Access Solution. Mobile credentials can greatly reduce the number of necessary touches for building occupants to gain access to secured areas, which is more hygiene and convenient than re-usable cards or physical keys in shared spaces. Our available multi-authentications mobile access control products strike the perfect mix among security, touchless access, and social distancing control.

We protect and care for our community.



A True Pioneer in The New Era



The Touchless Solutions That Supports Dual Authentication

Reducing touchpoints to minimize the spread of germs have become the new norm in accessing door openings. The **U94** Series Touchless Smart Lock not only adds biometrics to supplement the existing access controls solution, but it also eliminates the need for physical keys or shared key cards by using mobile credentials - all within the hands of the user.

More Secure

The standard authentication uses the user mobile device's biometric recognition function or a simple passcode to identify the visitor. The second authentication can be turned on from the Smartlink App as an option to add an additional facial recognition check.

More Flexibility

The lock administrator can easily adjust the security level of the opening by enabling or disabling the dual authentication. Not all spaces need the equal security, nor all authorized users having the same authority. The **U94** Series Touchless Smart Lock gives you the flexibility to adjust how much authentication is needed, by locks and by users.

More Convenience

Mobile credential gives an advantage for not having the input device installed or physically connected to the door lock. Meaning less setup or maintenance costs and less wear on the lock, but more convenience in regular maintenance.





Dual Authentication to Keep You Safe

Mobile credential can be seen as the digital key to accessing the opening. The electronic access control sector nowadays commonly adopted the mobile credentials with something you know (passcode), or with something you are (biometrics). Why not take the advantage of both?

Most smartphones or tablets carry cameras with built-in biometric identifications. The **U94** Series Touchless Smart Lock integrates these features with our Smartlink App, replacing the physical keys or key cards that gives you the choice to secure your space with something you know and something you are, so it is essentially a dual authentication.

The level of security required for access is determined by the lock administrator, who decides which users require the standard authentication and which ones need a dual.

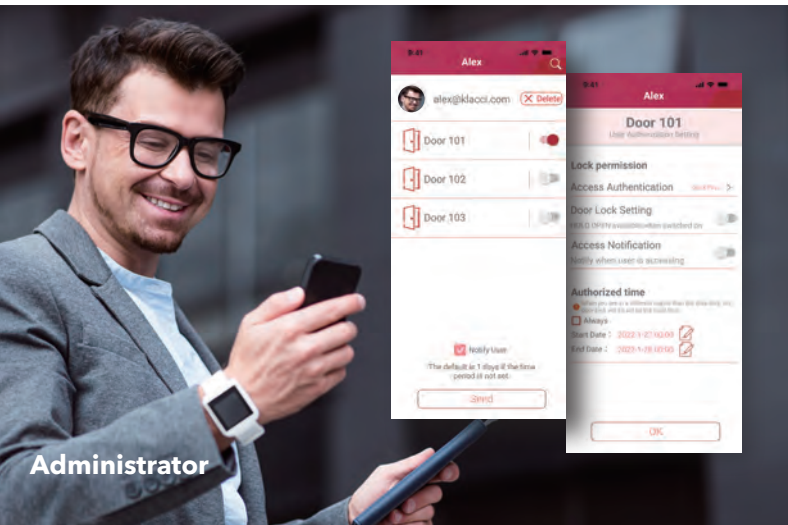
Credential should be kept secure, but in case it happens, knowing your credential doesn't mean they can get into your door. With **U94** Series Touchless Smart Lock installed at your door, you are the unique digital key for your lock.



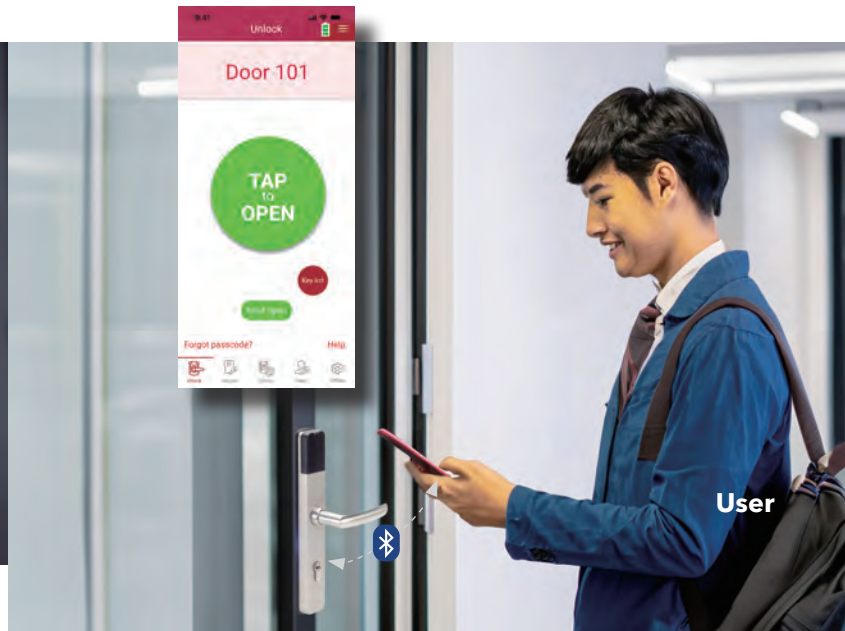
Smartlink Application



Management Mobility with Cloud-based Application



Access control management

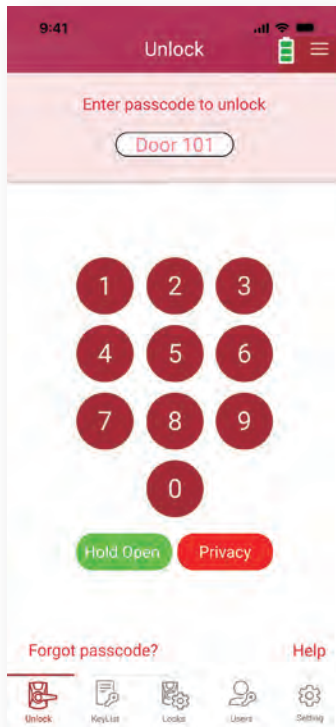


Linkage[®] technology is an ecosystem that connects and brings together different access control applications under one single platform, allowing you to remotely manage and configure your locks installed in different locations based on the user's needs and security requirements. User access rights can be added, managed and deleted in real time from anywhere via its Smartlink app or web portal, as well as audit trails to all users.

Administrators can also provide a one-tap quick access to low security access points allowing users to access more conveniently.

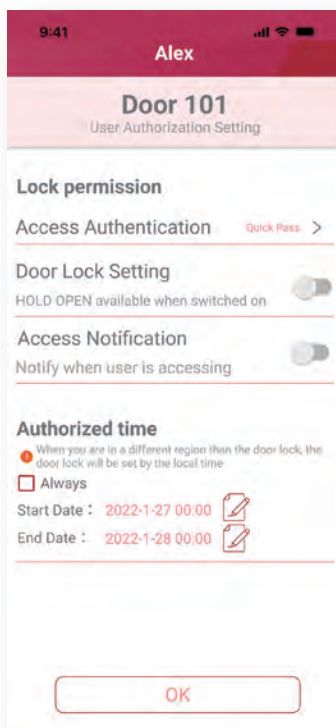
The **U94** Series Touchless Smart Lock is designed for installation and setup simplicity, making use of your smartphone's telecom signal to connect with the cloud, so no need for additional wireless connectivity specifically for the lock.

The Smartlink App offers the all-in-one tool to manage your **U94** Series Touchless Smart Lock. It is everything you need to control and access your door openings.



The user experience

- All locks associated with the same user can be viewed at a glance. Easily switch among different locks on the App to unlock different doors without the need to setup for multiple user accounts.
- Feedback option is available through the App allowing user to report issue or share user experience with Klaccki.
- GDPR compliance with all biometrics data stored in the user device. Smartlink does not upload or share the data for other purpose.
- Compatible with iOS and Android devices.



The management

- Add, delete or edit setting of the lock instantly, anywhere and anytime through the cloud-based Linkage®.
- Adjust the requirement to access by using single or dual authentication, or even one tap quick access.
- Set the accessible time and date for different locks and/or users.
- Send one-time or multiple access authorization to temporary visitors remotely.
- Turn on/off HOLD OPEN or PRIVACY mode. Set timer for HOLD OPEN mode.* (Use App to setup)
- User list, audit trails, lock battery level can be displayed from the App for complete visibility of the lock status.

* Long timer duration may affect battery life.

Security

- Data transmission between the lock and the cloud-based Linkage® is 128-bit AES encrypted.
- Each lock generates a unique encrypted key which is not shared by other locks.

Linkage[®] System Platform



Flexible Models to Adapt Your Every Need

	Basic	Advanced
Management platform	Smartlink App	Management platform Smartlink App
Device	Smartphone Tablet	Smartphone Tablet PC
Number of sites	One or more	One or more
Unlimited number of locks	✓	✓
Unlimited number of users	✓	✓
Unlimited number of audit trails	✓	✓
Assign user schedules	✓	✓
Batch authorization	✗	✓
Assignee authorization	✗	✓
Authorization transfer	✗	✓
System customization*	✗	✓
Payment service*	✗	✓

* Available soon, please contact our sales representatives for details.



One of the advantages of Linkage® technology is that it can easily be adapted and combined into new or existing management systems that gives you ease of access and management. Whether using it in a small or large scale application, Linkage® delivers exactly what you need.

Basic model

All your management needs can be fulfilled with the Smartlink mobile app , which include:

- Add, modify and delete user access rights
- Perform advanced access control settings
- Real-time monitoring and status alert
- Check user's audit trail

Advanced model

Businesses that already have a centralized system can choose to customize and integrate the Linkage® platform into their existing system. For specific applications such as B & B, hotels and apartments, the management platform can integrate payment services* to accommodate faster and more convenient services and solutions.

- Batch authorization
- Assignee authorization
- Authorization transfer

U94 Mortise Lock



Outside view

Features

- Conforms to 85mm (72mm available upon request) center-to-center for easy retrofit installation.
- Can be used with most European profile doors and mortise locks.
- The lock body can be inherited from the existing Euro spec lock case. Installing the electronic inside and outside trim converts the existing mechanical lock into a smart lock.
- Fits on glass door with narrow stiles.
- Automatic deadbolt with deadlocking function (Optional).
- Deadlocking function.
- Less than 0.05 second of quick unlocking time (without facial recognition).
- Power saving. Battery lasts for about 3 years based on 10 accesses per day.
- Available in standard-duty and heavy-duty lock case.

**Ideally retrofitting Euro profile
locks, converts your door into
smart touchless access**



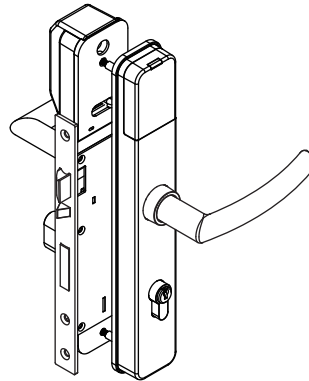
Inside view

Electronic Specifications

Required power/ Control mode	<ul style="list-style-type: none"> Battery life: Lasts for about 3 years based on 10 accesses per day. Note: Battery life varies based on using frequency.
No. users	<ul style="list-style-type: none"> Unlimited, dependent on smartphone's memory capacity.
Management	<ul style="list-style-type: none"> Can assign secondary administrators for unlimited or 3-5 users using the user management interface.
Credential verification time	<ul style="list-style-type: none"> <0.05s (without facial recognition). Note: Depending on the smartphone used, the actual connectivity during operation may differ.
Visual communications	<ul style="list-style-type: none"> LED.
Communication standards	<ul style="list-style-type: none"> Wifi 3G/4G/5G. Bluetooth 4.0. Note: Based on the device's compatibility.
Encryption	<ul style="list-style-type: none"> AES 128-bit.
Communication range	<ul style="list-style-type: none"> 2m.
Wake-up on radio	<ul style="list-style-type: none"> 1s by Bluetooth connection or Inside button.
Data rate	<ul style="list-style-type: none"> <100kb via Wifi, 3G/4G/5G.
Connectivity options	<ul style="list-style-type: none"> Web portal management platform (manage authorization, authorization updates, biometric/non-biometric requirement). Wifi access point (real-time communication). Real-time communication telecom signal (3G/4G/5G, based on the device's compatibility).
Non-biometric/ Biometric recognition	<ul style="list-style-type: none"> Customized passcode, fingerprint, facial recognition. Supports Face ID (iOS) or device built-in biometrics data recognition.
Operating temperature	<ul style="list-style-type: none"> 0~49°C.
Operating humidity	<ul style="list-style-type: none"> 85%.
Available status signals	<ul style="list-style-type: none"> Request-to-exit. Battery status/low battery alert. HOLD OPEN mode (constantly unlocked until reset back to standard mode)(Use App to setup). PRIVACY mode (all users' access denied until reset back to standard mode or when turning inside lever; administrator can access normally)(Use App to setup). Communication status.
Flexible solutions	<ul style="list-style-type: none"> Smartphone. Tablet. Web portal via PC.
Mobile App	<ul style="list-style-type: none"> Add and configure locks. Add new users and enroll credentials. View users and alerts. Perform lock diagnostics. Requirements: IOS 9 or later Android 4.4 or later. Standard authentication: Passcode or the user mobile device's biometric recognition function. Dual authentication: The standard authentication and the Smartlink App's facial recognition. User feedback. Updates non periodically for new features and user friendly interface.
Web portal	<ul style="list-style-type: none"> Configure locks. Add new users and enroll credentials. View audits and alerts. Setup facial recognition requirement for access. Preserve for security camera/ online alerts connection port. Requirements: <ul style="list-style-type: none"> IE 11.1 or later. Chrome 38.0 or later. Firefox 33.0 or later. Safari for Mac OS X10 or later. Mobile/tablet browser for Android and iOS.

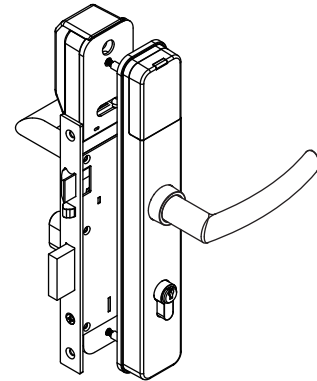
Mechanical Specifications

U940 Mortise Lock



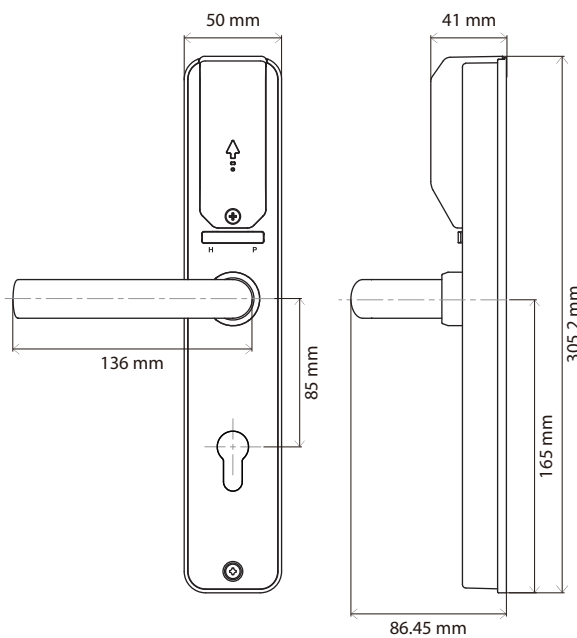
U9400

With deadlocking function

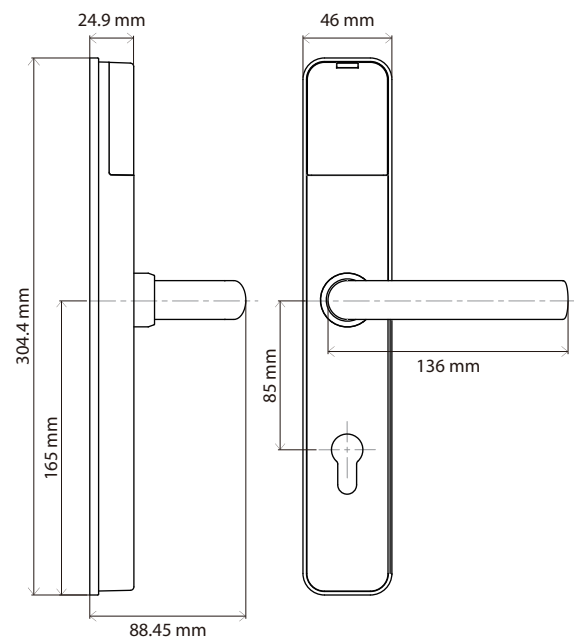


U9401

With automatic deadbolt function



Inside view



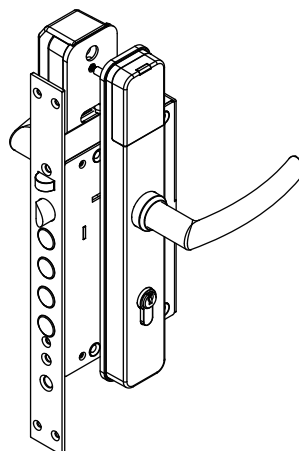
Outside view

Case size	• 88mm x 174mm x 15mm.
Armor front	• 22mm x 240mm x 3mm.
Backset	• 60mm.
Door range	• 35mm ~ 60mm.
Spacing	• 85mm center cylinder to spindle.
Deadbolt	• 21mm throw, stainless steel.
Latchbolt	• 12mm throw, with anti-friction tongue, all stainless steel.
Deadlocking bar	• Non-handed, stainless steel.
Spindle	• Breakable to prevent the lock case from unlocking or being damaged.
Cylinder	• Euro profile cylinder.

* Standard type lock case default. Please consult our sales representative for special specifications or requirements.

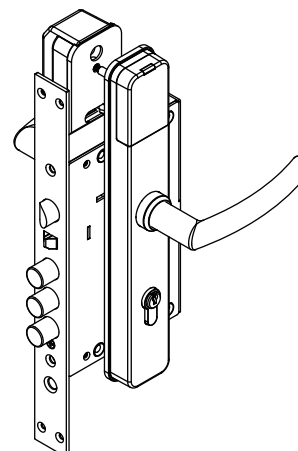
Mechanical Specifications

U941 Mortise Lock (Heavy duty)



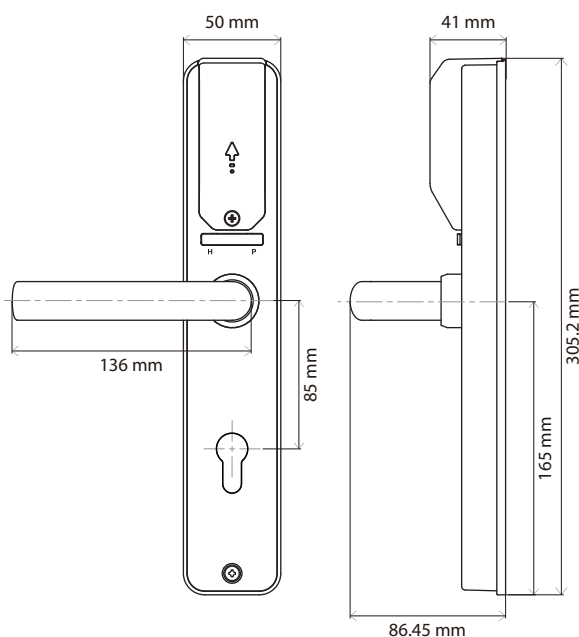
U9410

With deadlocking function

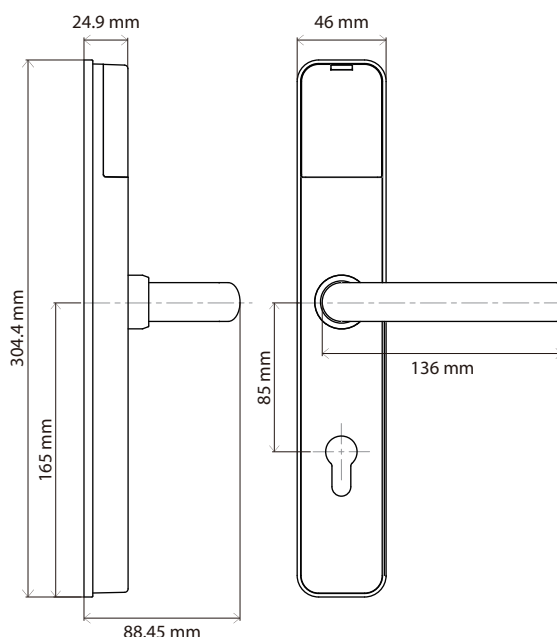


U9411

With automatic deadbolt function



Inside view



Outside view

Case size	<ul style="list-style-type: none"> 129mm x 204mm x 30mm.
Armor front	<ul style="list-style-type: none"> 35mm x 350mm x 3mm.
Backset	<ul style="list-style-type: none"> 68mm.
Door range	<ul style="list-style-type: none"> 45mm ~ 60mm.
Spacing	<ul style="list-style-type: none"> 85mm center cylinder to spindle.
Deadbolt	<ul style="list-style-type: none"> 20mm throw, stainless steel.
Latchbolt	<ul style="list-style-type: none"> 12mm throw, with anti-friction tongue, all stainless steel.
Deadlocking bar	<ul style="list-style-type: none"> Non-handed, stainless steel.
Spindle	<ul style="list-style-type: none"> Breakable to prevent the lock case from unlocking or being damaged.
Cylinder	<ul style="list-style-type: none"> Euro profile cylinder.

* Standard type lock case default. Please consult our sales representative for special specifications or requirements.

About Klacci

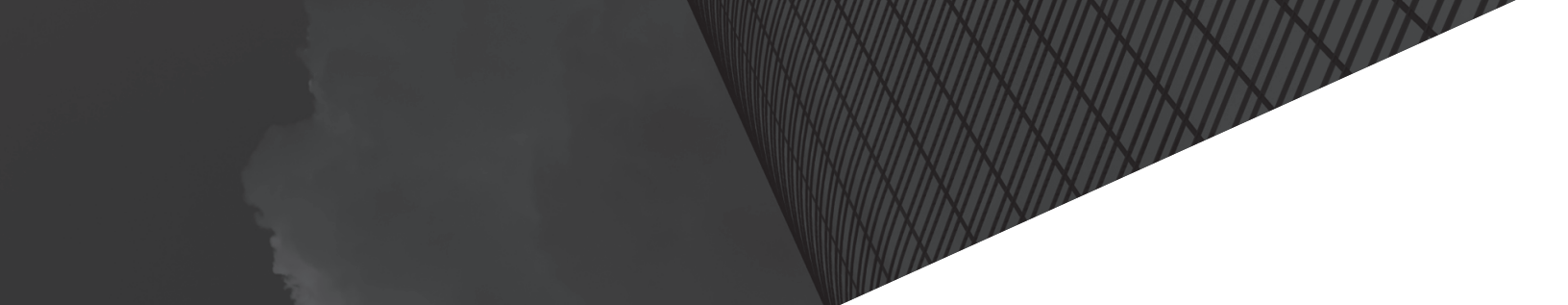
Klacci, a registered brand of the world-renowned I-TEK Company, provides home and business owners with second to none lock products, offering an extensive selection of mechanical, electrical and biometric locks that truly reflect the needs of modern lifestyle.

Klacci's drive for design excellence and innovation is only matched by I-TEK's manufacturing expertise which spans more than five decades.



Project References

Projects	Locations
Commercial Buildings at Raha Beach	Saudi Arabia
Glorietta 1 BPO (Commercial Building)	Makati City, The Philippines
Glorietta 2 BPO (Commercial Building)	Makati City, The Philippines
Starmall BPO Las Pinas (Commercial Building)	Las Pinas City, The Philippines
The Business Center (Commercial Building)	Pasig City, The Philippines
Taylor University Dormitory	Indiana, USA
NCKU, Department of Aeronautics	Tainan, Taiwan
Saudi Electricity Co. (SEC)	Jeddah, Saudi Arabia
Saudi Electricity Co. (SEC)	Dammam, Saudi Arabia
Saudi Electricity Co. (SEC)	Ras-Al Khair, Saudi Arabia
Saudi Electricity Co. (SEC)	Riyadh, Saudi Arabia
Saudi Electricity Co. (SEC)	Khafji, Saudi Arabia
Saudi Electricity Co. (SEC)	Juyamah, Saudi Arabia
Saudi Electricity Co. (SEC)	Uqair, Saudi Arabia
Saudi Electricity Co. (SEC)	Shedgum, Saudi Arabia
Sub-station buildings - Saudi Electricity Co	Saudi Arabia
Power Plants	Saudi Arabia
Texas Department of Transportation	Texas, USA
NASA	USA
Saudi Aramco	Rabigh, Saudi Arabia
Saudi Defense Department	Saudi Arabia
NATIONAL HISTORY MUSEUM	Saudi Arabia
Lab building	Saudi Arabia
Okinawa Military Base	Japan
The 3rd Precinct	Tainan, Taiwan
Kaohsiung Rapid Transit	Kaohsiungm, Taiwan
Hotel/Private/Public Project	USA, Canada, Europe, Australia, The Philippines, Macau, Vietnam, Bangladesh
Ambulatory Clinic Jebel Hafeet (Clinic Center)	Saudi Arabia
Cordoba (Phase 1) (Residential Building)	Saudi Arabia
THE RESIDENCE LAGOS 11 (Residential Building)	Saudi Arabia
Hospital Project	Saudi Arabia
Saudi Entertainment Ventures	Saudi Arabia
Petro Rabigh chemical plant - Rabigh	Saudi Arabia
R&D Building-Dhahran Techno Valley	Saudi Arabia
City of Dream Hotel	Macau
The Venetian Hotel	Macau
LG Science Park	Korea



Projects	Locations
Apple Store	Korea
Holiday Inn Makati	Makati City, The Philippines
Park Inn Hotel Davao	Davao City, The Philippines
Daewoo Amara Hotel	Yangon, Myanmar
Nan Shan Building	Taipei, Taiwan
National Taiwan University Hospital	Taipei, Taiwan
Hotspring Hotel	Taichung, Taiwan
Central Taiwan Science Park Dormitory	Taichung, Taiwan
Southern Taiwan Science Park Project (STSP)	Tainan, Taiwan
Al Quwaieyah Mall, KSA(Shopping Mall)	Saudi Arabia
Starmall Bataan (Shopping Mall)	Bataan, The Philippines
Robinson's General Trias (Shopping Mall)	General Trias, Cavite, The Philippines
Robinson's Ilocos (Shopping Mall)	Ilocos, The Philippines
Robinson's Tacloban (Shopping Mall)	Tacloban City, The Philippines
Glorietta 1 (Shopping Mall)	Makati City, The Philippines
Glorietta 2 (Shopping Mall)	Makati City, The Philippines
Ayala Ceneter Cebu (Shopping Mall)	Cebu City, The Philippines
Fairview Terraces (Shopping Mall)	Fairview, Quezon City, The Philippines





www.klacci.com

Headquarters and Operation Office

I-TEK Metal Manufacturing Co., Ltd.

📍 18 Gungye 3rd Road, Annan,
Tainan 70955, Taiwan.



T 886 6 3840722

F 886 6 3840715

E sd.klacci@gmail.com

sd@klacci.com

sd@iteklock.com.tw

Global Office

KLACCI Inc.

📍 California, USA

📍 Nevada, USA

T +1 (720) 675-5677

E sd@klacci.com

sd.klacci@gmail.com

