

Most Advanced Dual Interface  
Contact iButton™ & Non-contact RFID Tag

## Guard Tour Checking System

# TouChecker+

TC-200

 **F.B Automation**



# What is Guard Tour System?



## **Guard Tour System is for,**

Monitoring and managing security guards in the most efficient way.

## **Guard Tour System is used in,**

Government Buildings, Office Buildings, Banks, Plants, Factories, Hotel, Resorts, Shopping Malls, Convention Centers, Schools, Department Stores, Apartments, Airports, Railways etc.

## **Guard Tour System can,**

Monitor and Manage security guards via the working report.

Manage and inspect buildings to prevent accident or fire.

Monitor confidential sites by Military and Police.

Offer exclusive security service for clients.

# Why Guard Tour System is necessary?

1. **Easy** to evaluate security guards
2. **Increase** working efficiency
3. **Reduce** security budget

## Before



Unclear

Not Measurable

Increasing Budget

Use  
Guard Tour System

Working Duties

Working Efficiency

Security Budget

## After



Clear

Measurable

Reducing Budget

# Why TouChecker+?

TouChecker+ is the **No.1** Guard Tour System in the world.

**Only  
TouChecker+  
Offers,**



## **iButton™ & RFID Tag Dual Checking**

Checking on contact iButton™ & non-contact RFID Tag.  
Able to use all different places with iButton™ & RFID Tag.



## **Robust and Waterproof Body**

Robust and waterproof body made of Polycarbonate guarantees reliable resistance.



## **Quick Charging and Long Battery Life**

Charging is performed during data transmitting.  
Rechargeable Li-ion battery can be used for 100days till the next charging.



## **Vibrating Pulse**

Both checking sound and vibrating pulse reminds a user of checking performance.

# Competitiveness of TouChecker+

## 1. iButton™ & RFID Tag Dual Checking

TouChecker+ can be used in all different places with iButton™ & RFID Tag.



### iButton™ Checking

#### Contact Checking on iButton™

- Waterproof
- No battery needed
- Able to attach on metal
- No frequency interference



### RFID Tag Checking

#### Non-contact Checking on RFID Tag

- Waterproof
- No battery needed
- Able to hide inside the wall
- Able to use in dusty and oily places

# Competitiveness of TouChecker+

## 2. Robust and Waterproof Body

Robust and waterproof body made of Polycarbonate guarantees reliable resistance.



### Robust and Waterproof Polycarbonate Body

Reliable resistance and waterproof.

Passed Free Drop Test certificated by Korea Testing Laboratory.



TouChecker+ is authenticated by international experiment organization in Free Drop Testing. The resistance of TouChecker+ is guaranteed by official government organization.

# Competitiveness of TouChecker+

## 3. Quick Charging and Long Battery Life

Highly efficient battery charging and long battery life.



### Efficient Quick Charging

Charging & Data Transmitting is performed together.  
Able to save charging time.



### Long Battery Life

Rechargeable Li-ion battery.  
Able to use 100days till the next charging.  
Max 10,000 events storage.

# Competitiveness of TouChecker+

## 4. Vibrating Pulse

Both checking sound and vibrating pulse reminds a user of checking performance.



### Vibration and Sound

TouChecker+ makes sound and vibration with checking.  
Vibration reminds a user of checking in loud places.





# Comparison with Competitors

	TouChecker+	Others
Checking Method	Both iButton™ and RFID Tag	Only iButton™ or RFID Tag
Memory	Rewrite up to 1,000,000 EEPROM	Rewrite up to 100,000 Flash Memory
Battery	Li-ion rechargeable battery Able to keep using	Lithium disposable battery Need to keep purchasing
Material	Polycarbonate Light & High resistance	Aluminum Heavy & Easy abrasion
Vibrating Pulse	Vibration Included	Vibration Excluded



**Most Efficient, Functional and Reliable  
No.1 Guard Tour System**

# How to use TouChecker+?



## 1. Checking

With the Checking Machine,  
Security guards check on the checkpoint in a guard tour course.



## 2. Storing

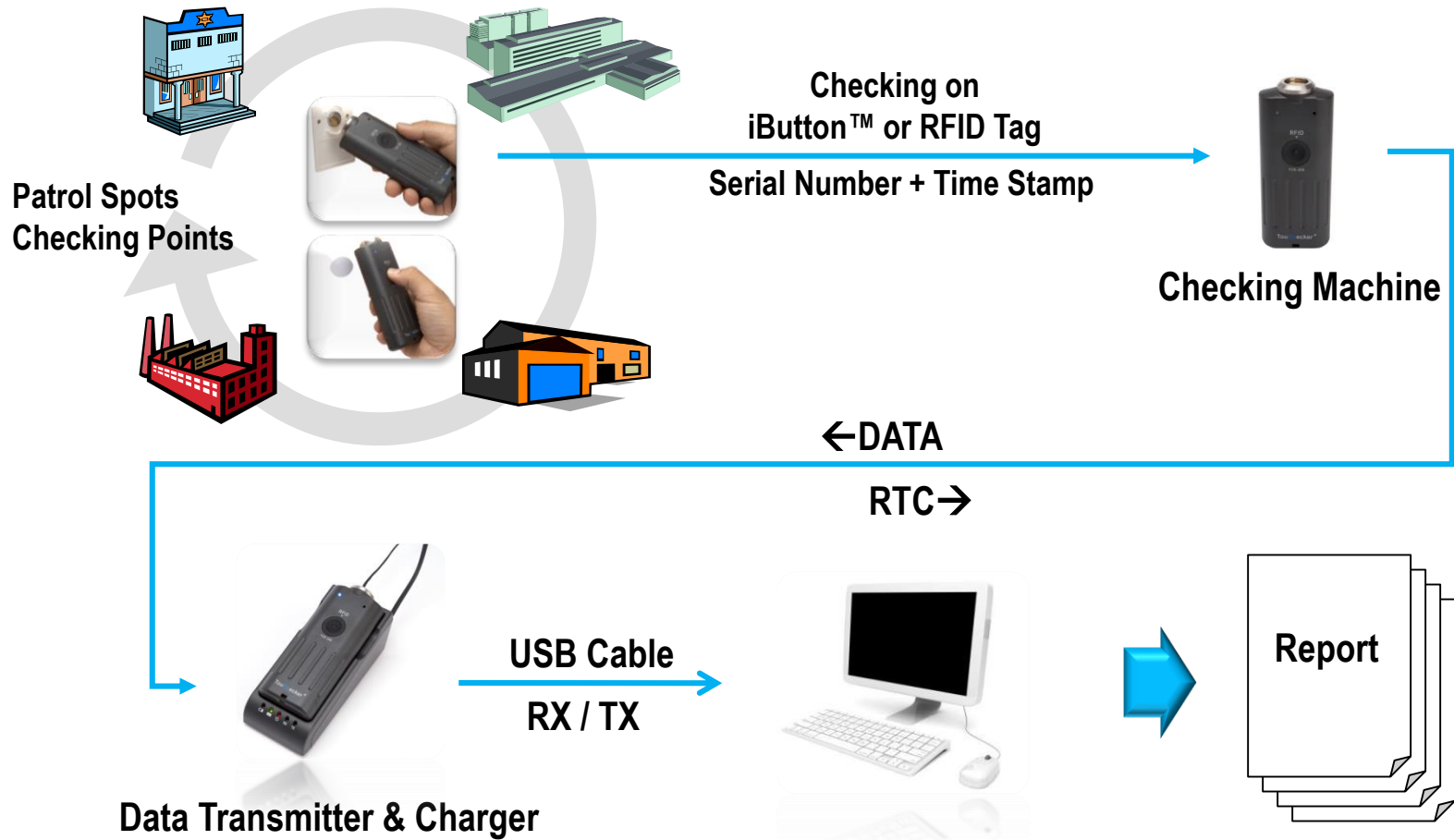
The Checking Machine collects and stores data including a time, date, security guards and checkpoint.



### 3. Transmitting

Data from the Checking Machine is transmitted to the computer via the Data Transmitter, and shows Guard Tour Report.

# TouChecker+ Work Flow



# TouChecker+ Operation Program

**Code Registration**

Patroller Course Patrol Spot Abnormality

Select Course Building

Chip No.	Patroller Name	Date of Reg.	Remarks
1	0000082E968	Main entrance	2006-05-11 19:43:57
2	0000082A77F8	Rear entrance	2006-05-11 19:43:59
3	0000082A730E	Underground car park	2006-05-11 19:44:01
4	0000082E27AC	Senior citizens pavilion	2006-05-11 19:44:02
5	0000082AC80F	Machine room	2006-05-11 19:44:04
6	0000082AE85D	Management office	2006-05-11 19:44:05
7			
8			

Chip No. 0000082AE85D Remarks

Spot Name Management office

Date of Reg. 2006-05-11 19:44:05

Search Course Shift Registration Save Delete Close

## Code Registration

- Patroller
- Patrol Spot
- Patrol Course
- Exception and Disorder
- Abnormality



## Patrolling

## Data Transmitting



**Report Preview**

Course Report

New Date: 05-11-11  
Period: 2006-05-11 00:00 ~ 2006-05-11 23:59

Course: Building

Date / Time	Patroller	Patrol Spot	Making Time	Abnormality
05-11 19:50:51	Michael	Main entrance	00:00:00	
05-11 19:50:52	Michael	Rear entrance	00:00:02	Facility abnormal
05-11 19:51:00	Michael	Underground car park	00:00:07	
05-11 19:51:02	Michael	Senior citizens pavilion	00:00:02	
05-11 19:51:07	Michael	Machine room	00:00:05	
05-11 19:51:09	Michael	Management office	00:00:02	Risk of fire
*Total: 6 Spot, *Elapsed Time: 00:00:19				

Course: Facility

Date / Time	Patroller	Patrol Spot	Making Time	Abnormality
05-11 19:51:20	Smith	Machine room	00:00:00	
05-11 19:51:22	Smith	Boiler room	00:00:02	Cleaning needed
05-11 19:51:28	Smith	Electricity panel	00:00:00	
05-11 19:51:30	Smith	Control room	00:00:02	
05-11 19:51:33	Smith	Transformers	00:00:03	Facility abnormal
05-11 19:51:37	Smith	Transformers	00:00:04	
*Total: 6 Spot, *Elapsed Time: 00:00:17				

Print Close

## Report Printout

**Data Registration**

Date and Time	Patroller	Course	Patrol Spot	Abnormality	Remarks
2006-05-11 19:50:51	Michael	Building	Main entrance		
2006-05-11 19:50:52	Michael	Building	Rear entrance	Facility abnormal	
2006-05-11 19:51:00	Michael	Building	Underground car park		
2006-05-11 19:51:02	Michael	Building	Senior citizens pavilion		
2006-05-11 19:51:07	Michael	Building	Machine room		
2006-05-11 19:51:09	Michael	Building	Management office	Risk of fire	
2006-05-11 19:51:20	Smith	Facility	Machine room		
2006-05-11 19:51:22	Smith	Facility	Boiler room	Cleaning needed	
2006-05-11 19:51:28	Smith	Facility	Electricity panel		
2006-05-11 19:51:30	Smith	Facility	Control room		
2006-05-11 19:51:33	Smith	Facility	Transformers	Facility abnormal	

Patroller

Remarks

Del Data Registration Save Cancel

## Data Uploading & Registration

# Product Configuration

## Composition of **TouChecker+**



- 1 Checking Machine
- 2 Data Transmitter & Charger
- 3 Carrying Case
- 4 Power Adapter
- 5 Communication Cable
- 6 Operating Program CD
- 7 Checkpoint Chip

# Product Specifications

## Checking Machine

TCR-200



Material	Polycarbonate
Dimension (W×H×D)	50x128x25 (mm )
Weight	154g
Memory Capacity	128Kbyte EEPROM
ID Storage Capacity	10,000 points (ID + Time & Date stamp)
LED Visual Indicator	Able to indicate LED with check and alarm status
Battery	Li-Ion Battery (3.7V/1,050mA)
Temperature	- 10 °C~ 54 °C

# Product Specifications

## Data Transmitter & Charger

TCB-200



Material	Polycarbonate
Dimension (W×H×D)	64×142×55 (mm )
Weight	120g
Data Transmission	Docking Concept
Recharging Method	Docking with TCR-200 (Li-ion Battery)
Power Adapter	AC 100V~240V
Communication	RS-232, Baudrate 38,400 bps USB 1.1

# Product Specifications

## Checkpoint iButton™/Bracket

TCP-200



Material	Memory chip inside Button-shaped Waterproof
Dimension (W×H×D)	16.3 diameter x 5.9(mm)
Weight	2.3gr
Battery	None
Storage	Unique 64bit serial number (read only)



# Product Specifications

## Checkpoint RFID Tag

TCF-200



Material	Memory chip inside Button-shaped Waterproof
Dimension (W×H×D)	35.0 diameter x 1.9(mm)
Weight	2.7gr
Battery	None
Storage	Unique 34bit serial number (read only)

# Application Areas

## General Area

- Guard Tour Management
- Facility Inspection
- Access Control



Buildings



Shopping Mall



Hotel & Resort



Apartments

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## Industrial Area

- Facility Safety Check
- Production Line Check



Power Plant



Factory



Hospital



Construction

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## Public Area

- Regional Patrol Management
- Facility Maintenance etc



Police Office



Military



Post Office



Government Bldg