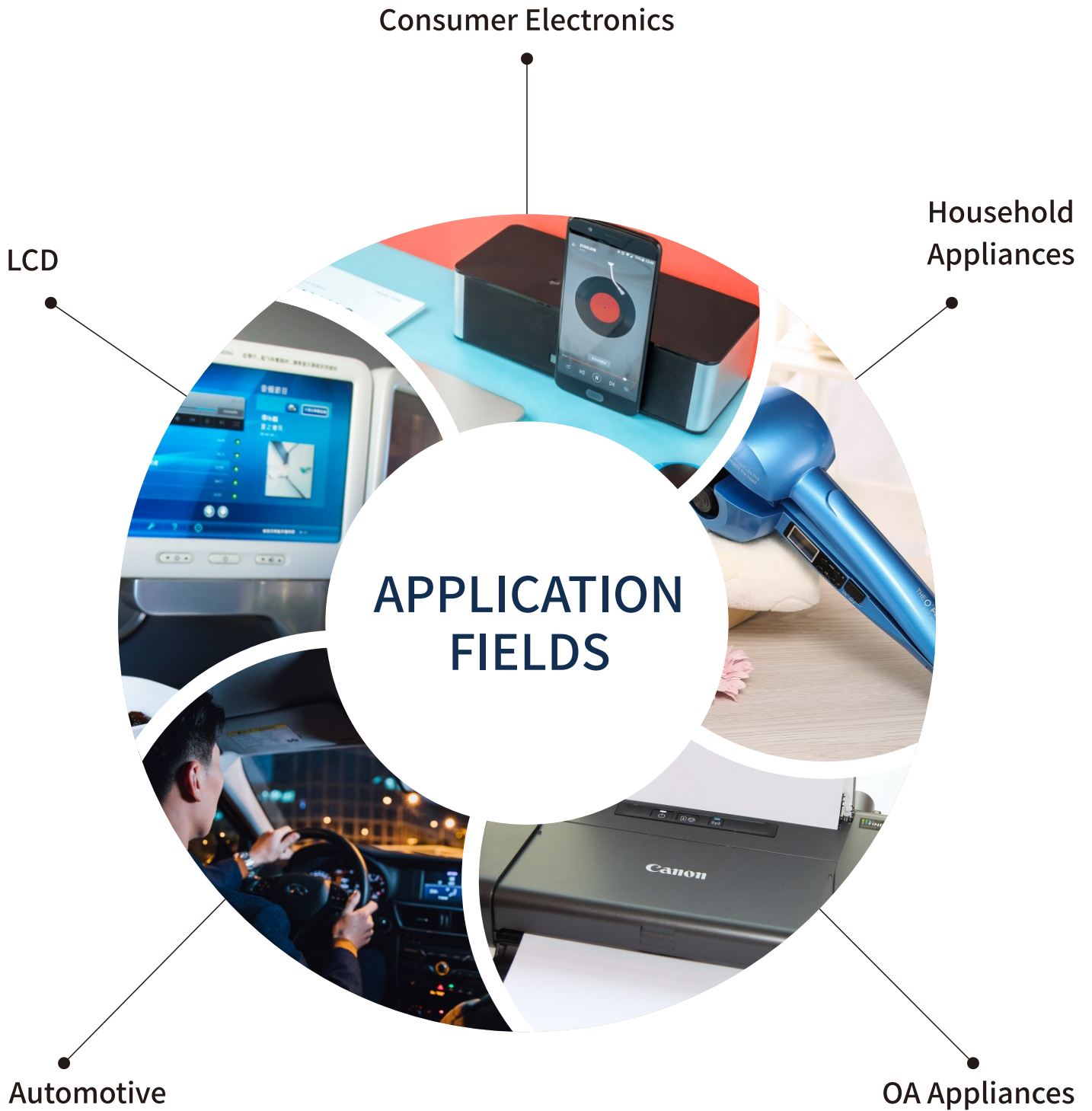# NUCMO
Invented for Motion

Logicbus®

INTELLIGENT TORQUE CONTROL ELECTRIC SCREWDRIVERS

· Precise Tightening

· Auto Setting

· Process Monitoring

· Error Alarm

· Data Traceability

APPLICATION FIELDS

Consumer Electronics

Household Appliances

LCD

APPLICATION FIELDS

Automotive

OA Appliances

IFACTORY ASSEMBLY LINE ISCREWDRIVING SYSTEM

CENTRAL DISPLAYER

Central Server

Network

Production Line A	Production Line B		Production Line Y	Production Line Z
Monitor	Monitor		Monitor	Monitor
A1 work station	B1 work station		Y1 work station	Z1 work station
A2 work station	B2 work station		Y2 work station	Z2 work station
......	......		......	......
An work station	Bn work station		Yn work station	Zn work station
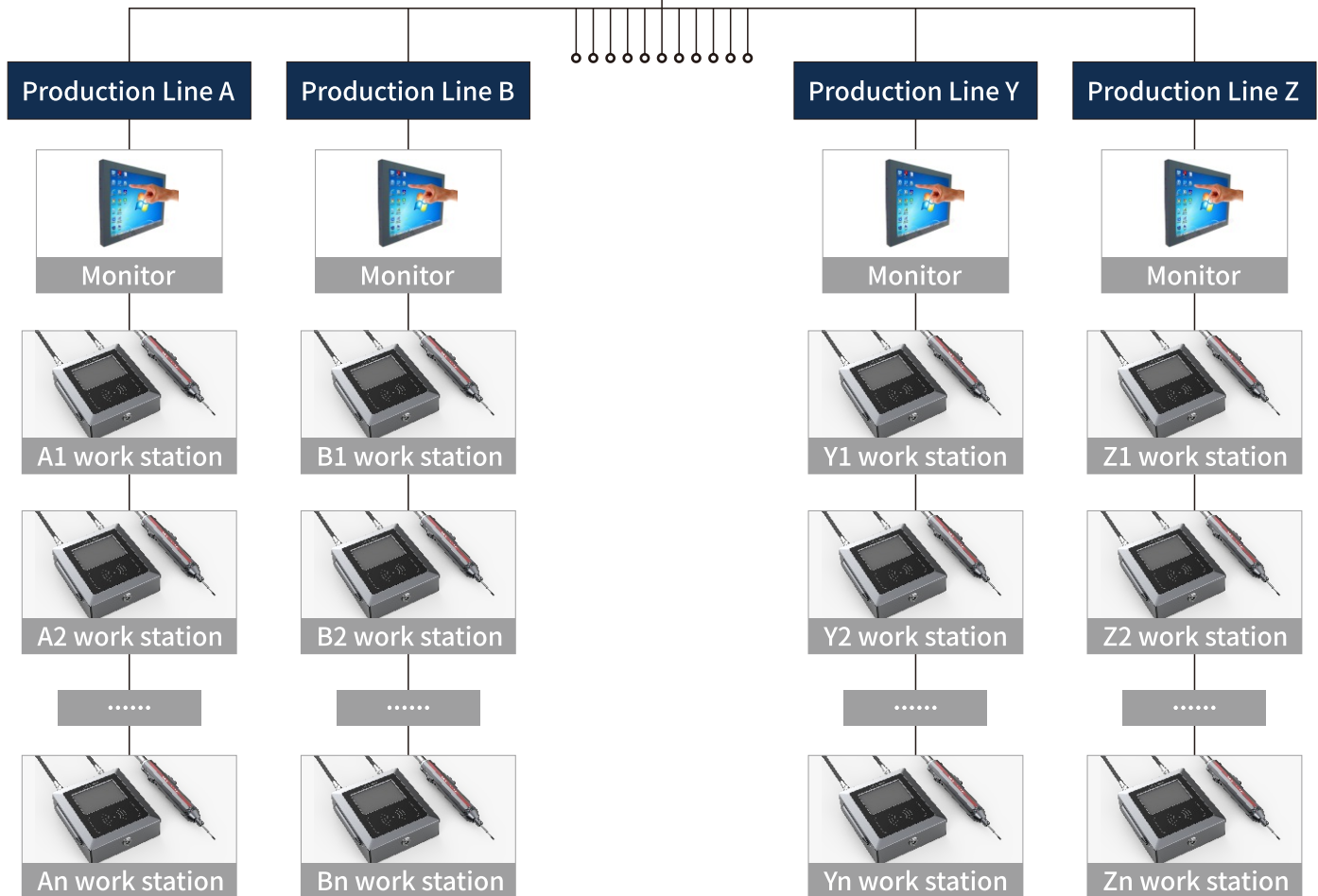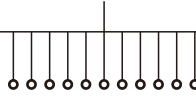
I-screwdriving system——Industry 4.0 factory assembly system:

Feature:

- Current Torque Control,Accuracy 5%
- Monitor Screw Slipping, Floating and Missing
- Max. 100 Screwdrivers Connecting

- Configurable Speed
- Multi-task Setting
- With DI/DO Connector

- Angle/Torque Control Mode
- Real Time Data Collecting
- Barcode Scanning

IFACTORY--- INTELLIGENT TIGHTENING CONTROL SYSTEM

SMART TOOL — Comprehensive integration of powerful functions

· Configurable speed and torque with 5% accuracy

· Speed mode / Angle mode / Auto mode

· Multi-steps tightening with process monitoring and error buzzer

· Self-learning & parameter generating to minimize setup time

· Optional reverse rotation at tightening complete

· Multi-task setting for seamless workflow switch

· Memory card integrated
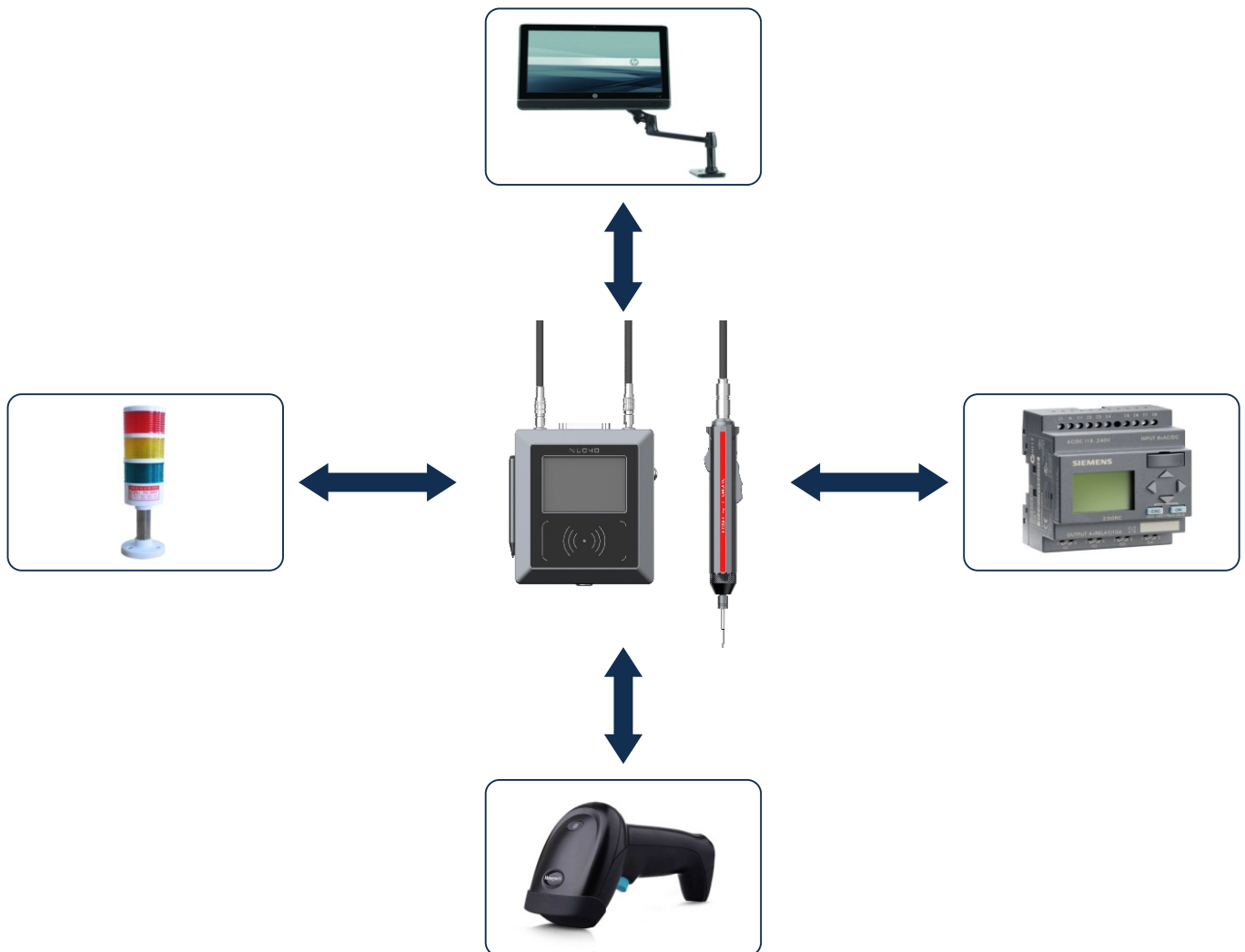
INTELLIGENT TIGHTENING CONTROL SYSTEM

IFACTORY — Ready for industry 4.0

· I/O port for real time control and data record

· Tightening process graphic data and analysis

· Barcode scanner port included, capable of part code scanning and identification

· Real time parameter remote setup and display to realize advanced control with untrivalled ergonomics

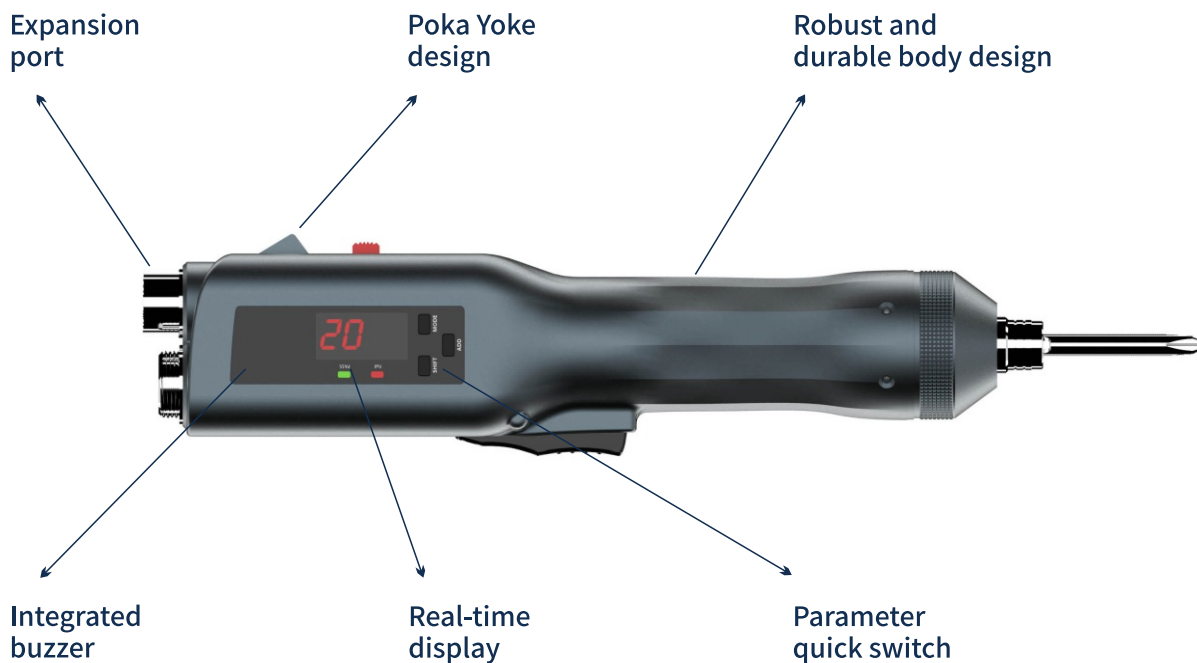· One controller connected to multiple screwdrivers with different setting

Model	Torque Range		Speed Range	Input voltage	Applicable screws	Controller	Remarks
	Ncm	in/lb	rpm	V	Screw Diameter		
N-NM008-H	1~7.8	0.1~0.6	30~1300	24v	M1.0~M1.6	N-NC008-PRO	Manual
N-NM006-F	1~5.8	0.1~0.5	30~1300	24v	M1.0~M1.6	N-NC008-PRO	Machine
N-NM030-H	4.9~29.4	0.5~2.6	30~1000	24v	M1.4~M2.5	N-NC030-PRO	Manual
N-NM025-F	4.9~24.5	0.5~2.1	30~1000	24v	M1.4~M2.5	N-NC030-PRO	Machine
N-NM080-H	9.8~78.4	0.9~6.9	30~1000	36v	M2.0~M3.5	N-NC080-PRO	Manual
N-NM065-F	9.8~63.7	0.9~5.6	30~1000	36v	M2.0~M3.5	N-NC080-PRO	Machine
N-NM200-H	39.2~196	3.5~17.4	30~700	36v	M2.5~M4.5	N-NC200-PRO	Manual
N-NM160-F	39.2~156.8	3.5~13.9	30~700	36v	M2.5~M4.5	N-NC200-PRO	Machine
N-NM500-H	147~539	13~48	30~500	36v	M4.0~M6.0	N-NC500-PRO	Manual
N-NM450-F	147~500	13~44	30~500	36v	M4.0~M6.0	N-NC500-PRO	Machine

INTELLIGENT COUNTING SCREWDRIVER

FEATURES

· Torque accuracy within 5%, robust structure increases system performance, consistency and durability;

· Capable of monitoring finished and remaining fasteners;

· Multi-task planning: 4 pre-set parameters & manual/auto mode switch available;

· Real-time process monitoring and error buzzer;

· I/O ports or data transmission and process control;

· Continuous speed setting.

Expansion port

Poka Yoke design

Robust and durable body design

Integrated buzzer

Real-time display

Parameter quick switch

| Model	Torque Range		Speed Range	Input voltage	Applicable screws
	Ncm	in/lb	rpm	v	
S-NMC080-H	9.8~78.4	0.9~6.9	30~1000	36v	M2.0~M3.5
S-NMC200-H	39.2~196	3.5~17.4	30~700	36v	M2.5~M4.5
S-NMC500-H	147-539	13-48	30~500	36v	M4.0~M6.0

Logicbus®

INTELLIGENT SCREWDRIVER CONTROL CHARACTERISTIC

CHARACTERISTIC DRAWING

Torque monitor, detect the screwing starting automatic,to promote the control accuracy

Speed

Auto slow down after Current arrive

Current

Start **Current monitor** **Locked**
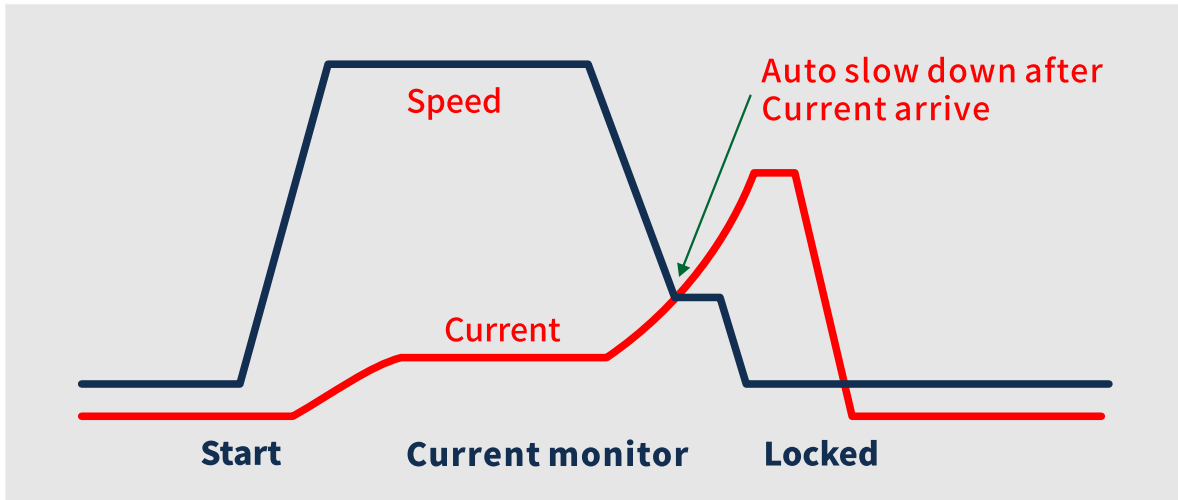
ERROR PROOFING
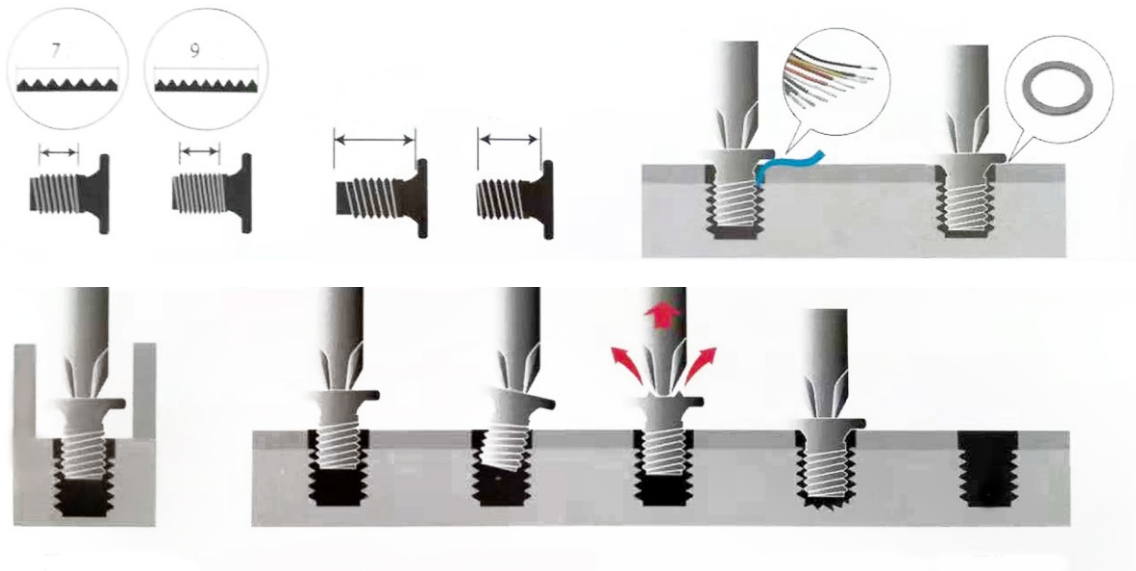
MONITORING, AND REPORTING

1. Monitoring
Real time display of tighting status, working hours, output quantity, and cycle time.

2. Reporting
All tightening data including torque, angle, status can be saved and exported, which offers traceability.

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Dirección
Av. Fray Antonio Alcalde 1822
Miraflores, 44270
Guadalajara, Jal

Teléfonos
Mex: +52 (33)-3854-5975
+52 (33)-3823-4349

Address
8280 Clairemont Mesa Blvd
Suite 122
San Diego, CA 92111

Phone number
USA: +1 (619) 619-7350

Página Web
tienda.logicbus.com.mx

Correo electrónico
ventas@logicbus.com

Website
logicbus.com

E-mail
sales@logicbus.com

Logicbus