NUCMO
Invented for Motion

INTELLIGENT TORQUE CONTROL ELECTRIC SCREWDRIVERS

- Precise Tightening
- Auto Setting
- Process Monitoring
- Error Alarm
- Data Traceability
APPLICATION FIELDS

LCD

Consumer Electronics

Household Appliances

Automotive

OA Appliances

IFACTORY ASSEMBLY LINE ISCREWDRIVING SYSTEM

Production Line A
Monitor
A1 work station
A2 work station
An work station

Production Line B
Monitor
B1 work station
B2 work station
Bn work station

Production Line Y
Monitor
Y1 work station
Y2 work station
Yn work station

Production Line Z
Monitor
Z1 work station
Z2 work station
Zn work station

CENTRAL DISPLAYER

Central Server

Network

IF-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 I/O/DO Connector
- Angle/Torque Control Mode
- Real Time Data Collecting
- Barcode Scanning
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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

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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 unrivaled ergonomics
- One controller connected to multiple screwdrivers with different setting

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<table>
<thead>
<tr>
<th>Model</th>
<th>Torque Range</th>
<th>Speed Range</th>
<th>Input voltage</th>
<th>Applicable screws</th>
<th>Controller</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-NM005-H</td>
<td>1~7.8 Ncm</td>
<td>30~1300 rpm</td>
<td>24V</td>
<td>M1.0~M1.6</td>
<td>N-NM005-H</td>
<td>Manual</td>
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<tr>
<td>N-NM006-F</td>
<td>1.5~8 Ncm</td>
<td>30~1300 rpm</td>
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<td>M1.0~M1.5</td>
<td>N-NM006-F</td>
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<tr>
<td>N-NM030-H</td>
<td>4.9~29.4 Ncm</td>
<td>30~1000 rpm</td>
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<td>M1.4~M2.5</td>
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<td>N-NM25-F</td>
<td>4.9~24.5 Ncm</td>
<td>30~1000 rpm</td>
<td>24V</td>
<td>M1.4~M2.5</td>
<td>N-NM25-F</td>
<td>Machine</td>
</tr>
<tr>
<td>N-NM080-H</td>
<td>9.8~78.4 Ncm</td>
<td>30~1000 rpm</td>
<td>36V</td>
<td>M2.0~M3.5</td>
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<td>N-NM065-F</td>
<td>9.8~63.7 Ncm</td>
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<td>N-NM200-H</td>
<td>39.2~196 Ncm</td>
<td>30~700 rpm</td>
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<td>N-NM160-F</td>
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<td>Machine</td>
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<tr>
<td>N-NM500-H</td>
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<tr>
<td>N-NM450-F</td>
<td>147~500 Ncm</td>
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<td>M4.0~M6.0</td>
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<tr>
<th>Model</th>
<th>Torque Range (Ncm in/lb)</th>
<th>Speed Range (rpm)</th>
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<th>Controller</th>
<th>Remarks</th>
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<tr>
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<td>30-1000</td>
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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.

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INTELLIGENT SCREWDRIVER CONTROL CHARACTERISTIC

CHARACTERISTIC DRAWING

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

ERROR PROOFING

MONITORING, AND REPORTING

1. Monitoring
   Real time display of tightening 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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