About Us

For over 30 years, BMS has been at the forefront of the torque industry, designing, developing & manufacturing Torque Products with cutting-edge technologies to meet our customers’ specific requirements.

The failure of an inexpensive fastener which has been incorrectly specified or tightened can be detrimental in terms of time, money and safety. BMS is mitigating these risks through intuitive and market-driven Torque Solutions.

Creating Added-Value

The research team at BMS can design & develop an extensive range of specialized solutions. These include Software modifications, Hardware & Mechanical designs & System integration with other technologies.

Ease of use

Our intuitive menu-driven interface, coupled with standardisation across our product portfolio means the operation of these tools can be learned in minutes, and this knowledge is transferable between the product groups.

Full Colour OLED Display

Easy to Use - Menu-Driven

Wireless Solutions

Send-Only

Send + Receive

All digital products are supplied with our New PCFE software. Features include SPC (Statistical Process Control), export options & wireless communication platforms.
**Key Features**

- Accuracy of ±1% of Actual Reading from 10% - 100% of full scale
  - Angle accuracy of ±1 degree
  - Torque Reading starts from 5% of full scale
- Storage capacity of up to 6000 measurements
- Torque & Angle Modes available
- Wireless Solutions available
- Multiple Units (Nm, Nm, kgfcm, kgfcm, ozins, lbins, lbf ft)
- Multiple Languages (English, Chinese, French, German, Italian, Polish, Portuguese, Russian, Spanish)
- Coloured LED warning signals
- Compatible with rechargeable or standard consumable batteries
- Viewing angle of 170°

**Wrench Models**

<table>
<thead>
<tr>
<th>Pro</th>
<th>Super</th>
<th>Assembly</th>
<th>Auditor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Track</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Peak</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Presets</td>
<td>99</td>
<td>99</td>
<td>99</td>
</tr>
</tbody>
</table>

**Assembly Specifications**

- Set Torque & Angle
- Just Move
- Just Angle
- Available space (Torque Records) > 6000
- Restrict Operator

**Advanced Upgrade Options**

- Autostore Option
- Enhanced Feedback Option
- Torque Cycle Counter
- Serial Output

**Modes of Operation**

- Track Torq
- Peak Torq
- Preset Torq

**Preset Mode Screen-View**

- 17.75 Nm
- Tilt: 18.18°

**On Request Range (Nm)**

- TW010P
- TW020P
- TW050P
- TW100P
- TW200P
- TW340P
- TW500P
- TW800P
- TW1000P
- TW1500P
- TW2000P

<table>
<thead>
<tr>
<th>On Request Range (Nm)</th>
<th>Pro</th>
<th>Super</th>
<th>Assembly</th>
<th>Auditor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-135</td>
<td>TW010S</td>
<td>TW010A</td>
<td>TAW010</td>
<td>1-10</td>
</tr>
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<td></td>
<td>TW020S</td>
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<td>TAW020</td>
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<td></td>
<td>TW050S</td>
<td>TW050A</td>
<td>TAW050</td>
<td>5-50</td>
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<td></td>
<td>TW100S</td>
<td>TW100A</td>
<td>TAW100</td>
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<td>TW200S</td>
<td>TW200A</td>
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<td>TW340S</td>
<td>TW340A</td>
<td>TAW340</td>
<td>34-340</td>
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<td></td>
<td>TW500S</td>
<td>TW500A</td>
<td>TAW500</td>
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<td></td>
<td>TW800S</td>
<td>TW800A</td>
<td>TAW800</td>
<td>80-800</td>
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<tr>
<td></td>
<td>TW1000S</td>
<td>TW1000A</td>
<td>TAW1000</td>
<td>100-1000</td>
</tr>
<tr>
<td></td>
<td>TW1500S</td>
<td>TW1500A</td>
<td>TAW1500</td>
<td>150-1500</td>
</tr>
</tbody>
</table>

**Send-Only Wireless Upgrade**

- TW***PW
- TW***SW
- TW***AW
- TAW***W

**Enhanced Feedback Upgrade**

- Vibrating Handle + enhanced visual warning.

**Side LEDs Vibration Alert**

- Add “EF” to Model 

**PC Software**

- TW* 010N
- TAW**010N
- TAW**020N
- TAW**050N
- TAW**100N
- TAW**200N
- TAW**340N
- TAW**500N
- TAW**800N
- TAW**1000N
- TAW**1500N
- TAW**2000N

**Send + Receive Wireless Upgrade**

- TW***P-BT
- TW***S-BT
- TW***A-BT
- TAW***.BT

**Product Specifications**

- Nm
- Ratchet
- L (m)
- Kg

- 9x12
- 14x18
- 20x32
- 24x32

- 3/8”
- 1/2”
- 3/4”
- 1”

- 0.4
- 0.63
- 0.85
- 1.6

- 0.85
- 1.3
- 4
- 8
**Key Features**

- **Accuracy of ±0.5% of Actual Reading from 10% - 100% of full Scale**
  - Torque Reading starts from 5% of full scale
- **Dynamic peak mode for capturing Click, Slipping & Continuous drive tools**
- **Click-torque mode for capturing First Peak**
- **Wireless Solutions available**
- **Multiple Units** (cNm, Nm, kgf, kgfcm, ozins, lbins, lbft)
- **Multiple Languages** (Chinese, English, French, German, Italian, Polish, Portuguese, Russian, Spanish)
- **Smart Control Box compatible with all Smart Transducers & vice versa**
- **Compatible with BMS Calibration Rig or as a stand-alone test unit**

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**Modes of Operation**

- Preset Torq
- Dynamic Peak
- Click-Torq
- Track Torq
- Peak Torq
- Preset Mode
- Screen-View
- PC Software

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**ST*** + SCB Digital Testers**

- **Highly accurate & repeatable Transducers**
- **Durable Locking Connectors**
- **Intuitive Smart Analyser**

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**Tester Models**

<table>
<thead>
<tr>
<th></th>
<th>Pro</th>
<th>Key Feature</th>
<th>Super</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pro</td>
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<td>Track</td>
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<td>✓</td>
<td>Peak</td>
<td>✓</td>
</tr>
<tr>
<td>1</td>
<td>✓</td>
<td>Presets</td>
<td>99</td>
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<tr>
<td></td>
<td>✓</td>
<td>Dynamic Peak</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>✓</td>
<td>Click Torque</td>
<td>✓</td>
</tr>
<tr>
<td>&gt; 2000</td>
<td>✓</td>
<td>Available space (Torque Records)</td>
<td>&gt; 4000</td>
</tr>
<tr>
<td></td>
<td>✓</td>
<td>Restrict Operator</td>
<td></td>
</tr>
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</table>

**Advanced Upgrade Options**

- AutoStore Option
- Torque Cycle Counter
- Serial Output

---

**On Request Range (Nm)**

<table>
<thead>
<tr>
<th>Transducers</th>
<th>Nm (cNm)</th>
<th>Socket</th>
<th>Height (mm)</th>
<th>Kg</th>
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<tbody>
<tr>
<td>ST0.5</td>
<td>(5-50)</td>
<td></td>
<td>1/4&quot;</td>
<td>75</td>
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<td>ST1.5</td>
<td>(15-150)</td>
<td></td>
<td>3/8&quot;</td>
<td>120</td>
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<tr>
<td>ST02</td>
<td>(20-200)</td>
<td></td>
<td>1/2&quot;</td>
<td>135</td>
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<tr>
<td>ST3.5</td>
<td>(35-350)</td>
<td></td>
<td>3/4&quot;</td>
<td>147</td>
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<tr>
<td>ST050</td>
<td>5-50</td>
<td>3/8&quot;</td>
<td>120</td>
<td>0.9</td>
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<tr>
<td>ST100</td>
<td>10-100</td>
<td>3/8&quot;</td>
<td>120</td>
<td>0.9</td>
</tr>
<tr>
<td>ST200</td>
<td>20-200</td>
<td>1/2&quot;</td>
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<tr>
<td>ST300</td>
<td>30-300</td>
<td>1/2&quot;</td>
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<td>1.6</td>
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<tr>
<td>ST500</td>
<td>50-500</td>
<td>3/4&quot;</td>
<td>147</td>
<td>2.8</td>
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<tr>
<td>ST800</td>
<td>80-800</td>
<td>3/4&quot;</td>
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<tr>
<td>ST1000</td>
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<td>1&quot;</td>
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<td>3.8</td>
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<tr>
<td>ST1500</td>
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<td>ST2000</td>
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<td>177</td>
<td>3.8</td>
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**Single Smart Torque Analyser**

<table>
<thead>
<tr>
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<th>SCBP</th>
<th>SCBS</th>
<th>SCBP-ASCI</th>
<th>SCBS-ASCI</th>
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<tbody>
<tr>
<td>Smart Control Box</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>- Pro</td>
<td></td>
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<tr>
<td>- Super</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>- Super ASCII</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Send-Only Wireless Upgrade**

- SCBP with Wireless
- SCBS with Wireless
- Wireless Receiver
- Wireless Receiver with ASCII

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**Website:** [www.BMSIRELAND.com](http://www.BMSIRELAND.com)
Digital Torque Screwdrivers 5cNm-15Nm

Key Features

- Accuracy of ±1% of Actual Reading from 10% - 100% of full Scale for MS (Micro-Screwdriver) & MST (Micro-Screwdriver with Lever), Accuracy of ±2% for HH (Handheld) model
  - Torque Reading starts from 5% of full scale

- Wireless Solutions available

- Multiple Units (cNm, Nm, kgf.m, kgf.cm, ozins, lbins, lbf"

- Multiple Languages (Chinese, English, French, German, Italian, Polish, Portuguese, Russian, Spanish)

- Lever supplied with MST for comfortable torque control at higher torque

- The Handheld is a motor-less, stand-alone unit

MST***
Torque Screwdriver

HH***
Torque Screwdriver

Screwdriver Models

<table>
<thead>
<tr>
<th>Pro</th>
<th>Key Feature</th>
<th>Super</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓</td>
<td>Track</td>
<td>✓</td>
</tr>
<tr>
<td>✓</td>
<td>Peak</td>
<td>✓</td>
</tr>
<tr>
<td>1</td>
<td>Presets</td>
<td>99</td>
</tr>
<tr>
<td>&gt; 2000</td>
<td>Available space (Torque Records)</td>
<td>&gt; 4000</td>
</tr>
<tr>
<td>✓</td>
<td>Restrict Operator</td>
<td>✓</td>
</tr>
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</table>

Advanced Upgrade Options

- Autostore Option
- Serial Output
- Torque Cycle Counter

<table>
<thead>
<tr>
<th>Pro</th>
<th>Super</th>
<th>Nm (cNm)</th>
<th>Drive</th>
<th>Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>MST05P</td>
<td>MS050S</td>
<td>(5-50)</td>
<td>1/4&quot;</td>
<td>0.4</td>
</tr>
<tr>
<td>MST15P</td>
<td>MS150S</td>
<td>(15-150)</td>
<td>1/4&quot;</td>
<td>0.6</td>
</tr>
<tr>
<td>MST200P</td>
<td>MS200S</td>
<td>(20-200)</td>
<td>1/4&quot;</td>
<td>0.6</td>
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<tr>
<td>MST350P</td>
<td>MS350S</td>
<td>(35-350)</td>
<td>1/4&quot;</td>
<td>0.6</td>
</tr>
<tr>
<td>MST500P</td>
<td>MS500S</td>
<td>(50-500)</td>
<td>1/4&quot;</td>
<td>0.6</td>
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<tr>
<td>MST005P</td>
<td>MST005S</td>
<td>0.5-5</td>
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<tr>
<td>MST010P</td>
<td>MST010S</td>
<td>1-10</td>
<td></td>
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<tr>
<td>MST015P</td>
<td>MST015S</td>
<td>1.5-15</td>
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<tr>
<td>HH005P</td>
<td>HH005S</td>
<td>0.5-5</td>
<td>1/4&quot;</td>
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<tr>
<td>HH010P</td>
<td>HH010S</td>
<td>1-10</td>
<td></td>
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</tbody>
</table>

Send-only Wireless Upgrade

MS***PW  MS***SW  MST***PW  MST***SW
Wireless Receiver - WCBR
Wireless Receiver with ASCII output - WCBR-ASCII

Modes of Operation

- **Track Torq**
- **Peak Torq**
- **Preset Torq**

Preset Mode Screen-View

PC Software
**Key Features**

- High quality planetary gear system for precise control with minimal effort
- Compatible with BMS ST (Smart Transducers)
- Calibrate Digital Wrenches to 2000Nm & Mechanical wrenches to 1500Nm
- Self-lubricating bearings for smooth operation of carriage
- Quick release pins allow for quick & easy interchangeability of Smart Transducers
- Robust stainless steel frame
- Modular design

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**Models**

**Torque Calibration Rig**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>TCR2000</td>
<td>2000Nm Calibration Rig</td>
</tr>
<tr>
<td>TCR2000P</td>
<td>Includes SCBP</td>
</tr>
<tr>
<td>TCR2000S</td>
<td>Includes SCBS</td>
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**Fixed Ratchet Adapter Head**

<table>
<thead>
<tr>
<th>Model</th>
<th>MwEA005</th>
<th>MwEA015</th>
<th>MwEA025</th>
<th>MwEA030</th>
<th>MwEA040</th>
<th>MwEA050</th>
<th>MwEA060</th>
<th>MwEA075</th>
<th>MwEA090</th>
<th>MwEA100</th>
<th>MwEA150</th>
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<th>MwEA250</th>
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<tbody>
<tr>
<td>Nm</td>
<td>1-5</td>
<td>3-15</td>
<td>2.5-12</td>
<td>6-30</td>
<td>10-60</td>
<td>25-125</td>
<td>40-200</td>
<td>65-335</td>
<td>100-500</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Ratchet</td>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
<td>3/8&quot;</td>
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<td>3/4&quot;</td>
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<tr>
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</tr>
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<td>1.2</td>
<td>1.3</td>
<td>5.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**Adjastable Wrenches**

- Adjustable wrenches up to 1000Nm, Preset wrenches up to 500Nm
- Audible & tactile click when torque is reached
- Accuracy of ±3% of actual CW reading
- NFC Asset Management Tag on Adjustable Wrenches
- Fixed Ratchet and Interchangeable Adapter types available

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**Preset Wrenches**

<table>
<thead>
<tr>
<th>Model</th>
<th>MwWA012</th>
<th>MwWA025</th>
<th>MwWA030</th>
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<th>MwWA050</th>
<th>MwWA060</th>
<th>MwWA075</th>
<th>MwWA090</th>
<th>MwWA100</th>
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<td>2-125</td>
<td>6-30</td>
<td>10-60</td>
<td>25-125</td>
<td>40-200</td>
<td>65-335</td>
<td>100-500</td>
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<tr>
<td>Ratchet</td>
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<td>1/4&quot;</td>
<td>3/8&quot;</td>
<td>3/8&quot;</td>
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<td>1/2&quot;</td>
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<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
<td>1.1</td>
<td>1.2</td>
<td>1.2</td>
<td>5.0</td>
<td></td>
</tr>
</tbody>
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**Compatibility**

Compatible with BMS ST (Smart Transducers) & SCB (Smart control Box)