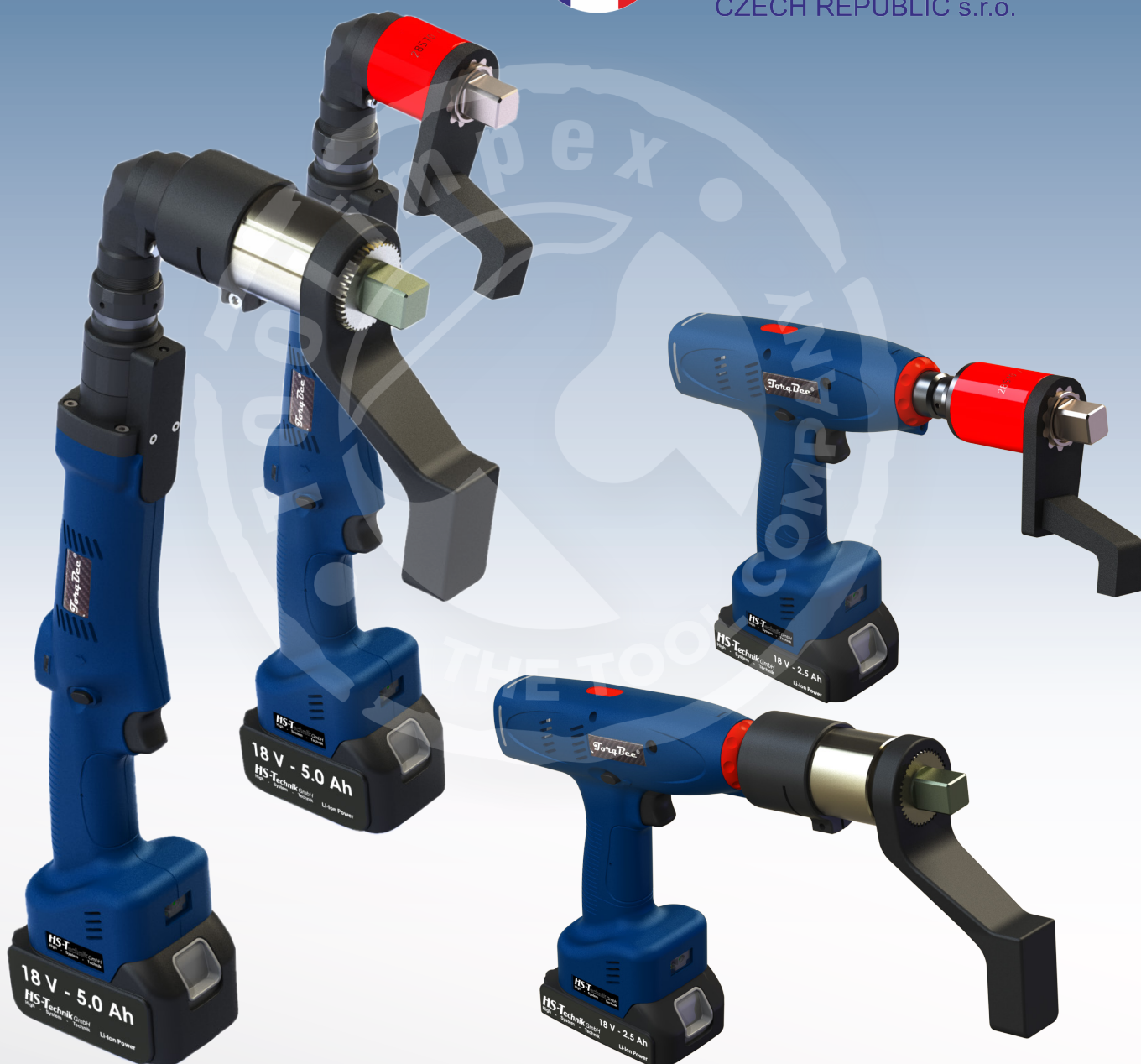


TorqBee HT-Series

Tools with torque and angle transducer



TOOLimpex
CZECH REPUBLIC s.r.o.



Premium Power Tools



MADE IN GERMANY



HS-Technik GmbH
High - System - Technik

8 TorqBee® HT - ECO

Type designation:: TBxECO-xxx

Programmable Battery-DC-Tool

Torque Reaction Sensor

Optional:

Barcode reader & Wi-Fi

-
- Programmable via USB with HST-Tool-Manager
 - Programmable parameters:
 - Torque
 - Current
 - Angle
 - RPM
 - Time
 - Multi-step programming (6 steps)
 - Handle vibration alarm
 - Multi-colored status LED
 - Intelligent battery management
 - Display of the tightening results
 - OLED display
 - Screw counter
 - Recovery (counter memory function)
 - 100 individual programs
 - Min. 150,000 results incl. tightening curves are saved in the tool
 - Documentation of the date and time of each tightening connection
-

11 TorqBee® HT - EC

Type designation:: TBxEC-xxx

Programmable Battery-DC-Tool

Rotating Torque Transducer and
Angle Encoder

Optional:

Barcode reader & Wi-Fi

-
- Programmable via USB with HST-Tool-Manager
 - Programmable parameters:
 - Torque
 - Current
 - Angle (encoder)
 - RPM
 - Time
 - Multi-step programming (6 steps)
 - Handle vibration alarm
 - Multi-colored status LED
 - Intelligent battery management
 - Display of the tightening results
 - OLED display
 - Screw counter
 - Recovery (counter memory function)
 - 100 individual programs
 - Min. 150,000 results incl. tightening curves are saved in the tool
 - The highest sensor precision on the market, torque transducer: < 1 % full scale
angle resolution: 0.1 °
 - Documentation of the date and time of each tightening connection
-

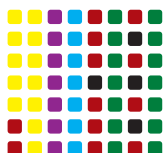
TotqBee® HT-Series

Features



OLED Display

Visualization of tightening results and tool status.



Multicolor LED control light

Individually programmable!



Intelligent battery management

Battery level indicator and effective protection against the Li-Ion battery deep discharging.



Software HST-Tool-Manager

Intuitive and quick programming of HS-Technik power tools.



Handle vibration alarm

NOK status



Job / Sequence

Allows for sequences to be processed without additional controller.



Optional barcode reader integrated into the tool

Barcodes with up to 64 characters can be read and processed.



Optional Wi-Fi for data transmission

Connection to HST Controller.



03 / 05

Recovery (counter memory function)

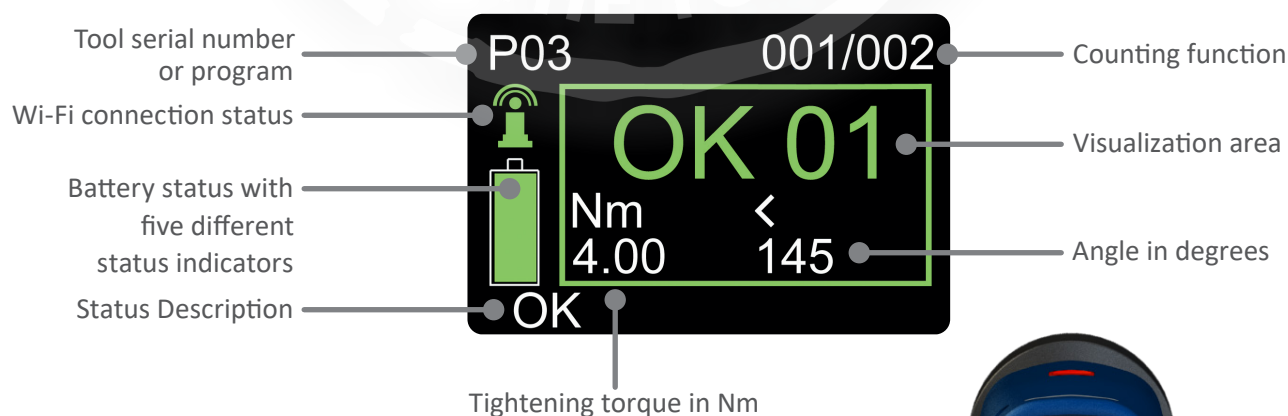
Status memory for the screw counter when changing the battery.

TorqBee® HT-Series

Overview

TorqBee® Features	HT-ECO	HT-EC
Multicolor LED control light	•	•
Intelligent battery management	•	•
HST-Tool-Manager programming software	•	•
Handle vibration alarm	•	•
OLED display	•	•
Counting function for screws	•	•
Job / Sequence	•	•
Optional barcode reader	•	•
Optional Wi-Fi	•	•
Rotating torque transducer and angle encoder		•
Torque reaction sensor	•	
Further information	Page 8	Page 11

OLED-Display



The display on the TorqBee® was developed so the operator is intuitively guided through the process steps and can view the quality of the screw connection at any time.

TorqBee® HT-Series with Norbar Multiplier

Overview

1 OLED display to guide operator

2 Multi-colored LED indicator

Tool status information for operator.
LED visible from all angles.

3 Brushless motor

for a higher idle speed and faster, powerful
working capacity, maintenance-free

4 Color index

easy machine and area of application torque
assignment

5 Clockwise/counterclockwise rotation

perfect operation thanks to push trigger

6 Large start trigger

ergonomic form

7 Ergonomic handle

to better guide the tool
incl. handle vibration alarm

8 USB port

Can be programmed for your specific
application

9 High precision torque multiplier

10 Optional Wi-Fi

Wi-Fi 2.4 & 5 GHz

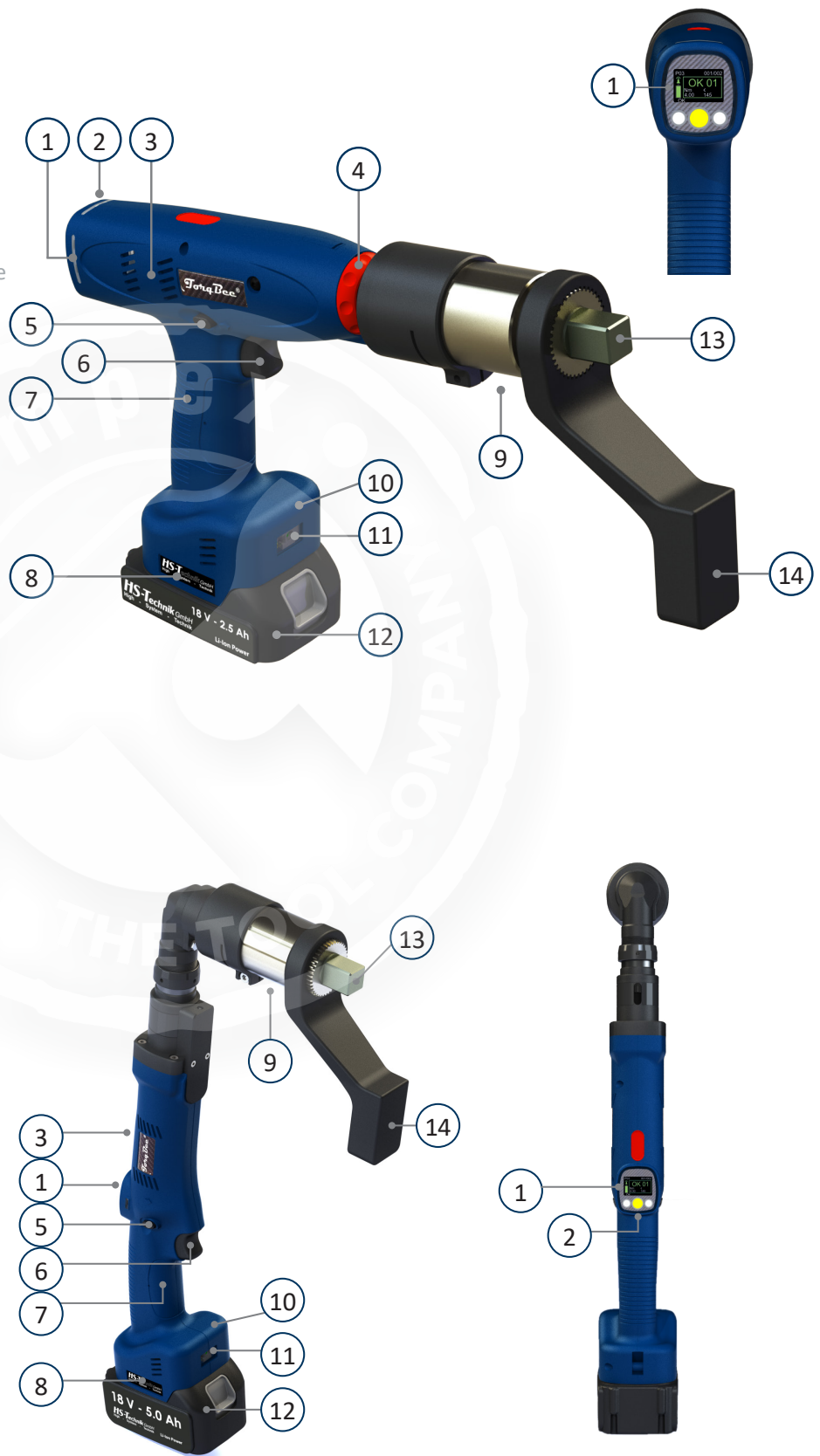
11 Optional barcode reader

12 Premium Li-Ion battery

18 Volt, 2.5 Ah / 5.0 Ah

13 3/4" square drive

14 Torque reaction arm*



*Torque reaction arm incl. with Norbar, not included with RAD

TorqBee® HT-Series with RAD Multiplier

Overview

1 OLED display to guide operator

2 Multi-colored LED indicator

Tool status information for operator.
LED visible from all angles.

3 Brushless motor

for a higher idle speed and faster, powerful
working capacity, maintenance-free

4 Color index

easy machine and area of application torque
assignment

5 Clockwise/counterclockwise rotation

perfect operation thanks to push trigger

6 Large start trigger

ergonomic form

7 Ergonomic handle

to better guide the tool
incl. handle vibration alarm

8 USB port

Can be programmed for your specific
application

9 High precision torque multiplier

10 Optional Wi-Fi

Wi-Fi 2.4 & 5 GHz

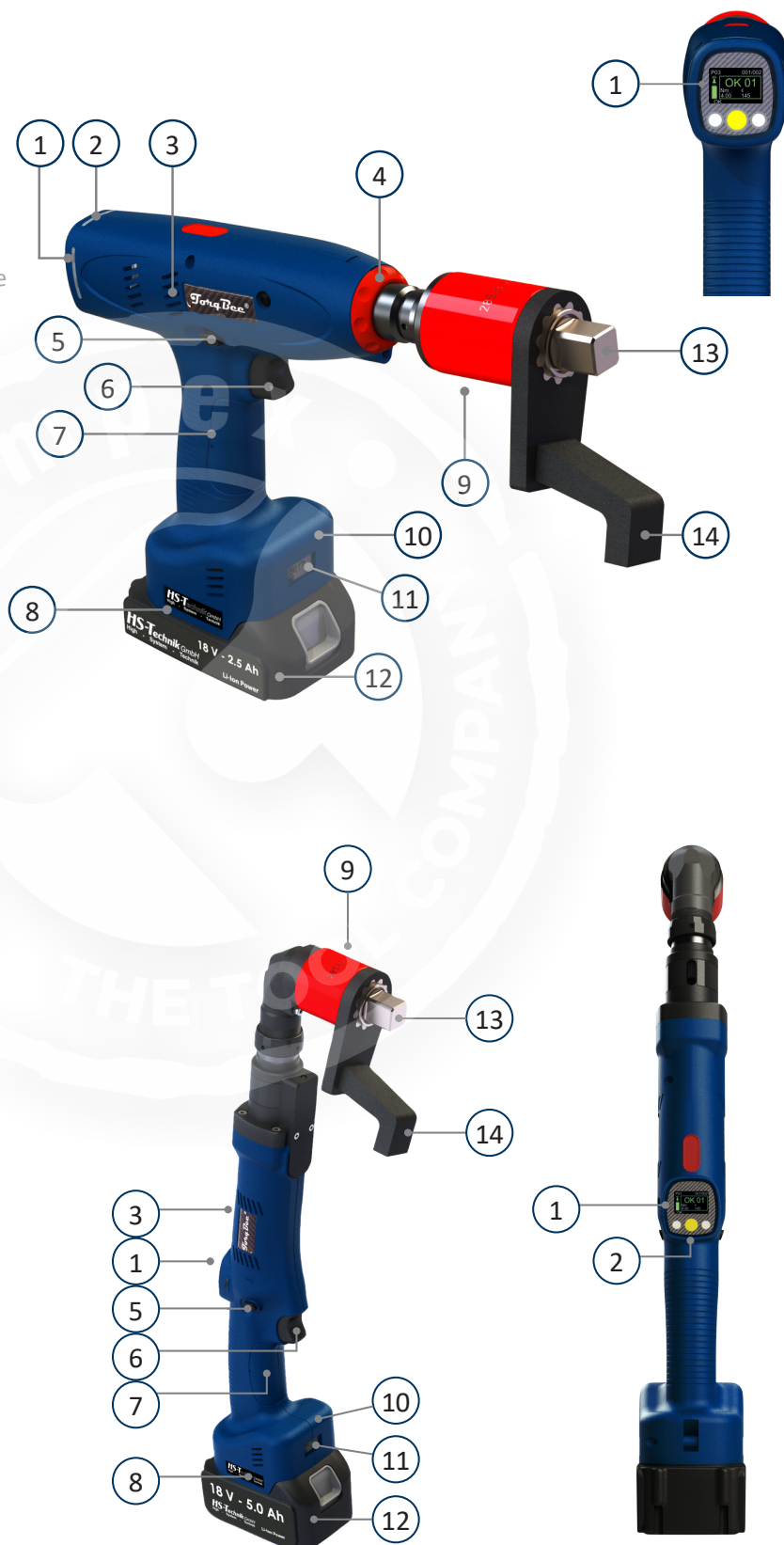
11 Optional barcode reader

12 Premium Li-Ion battery

18 Volt, 2.5 Ah / 5.0 Ah

13 3/4" square drive

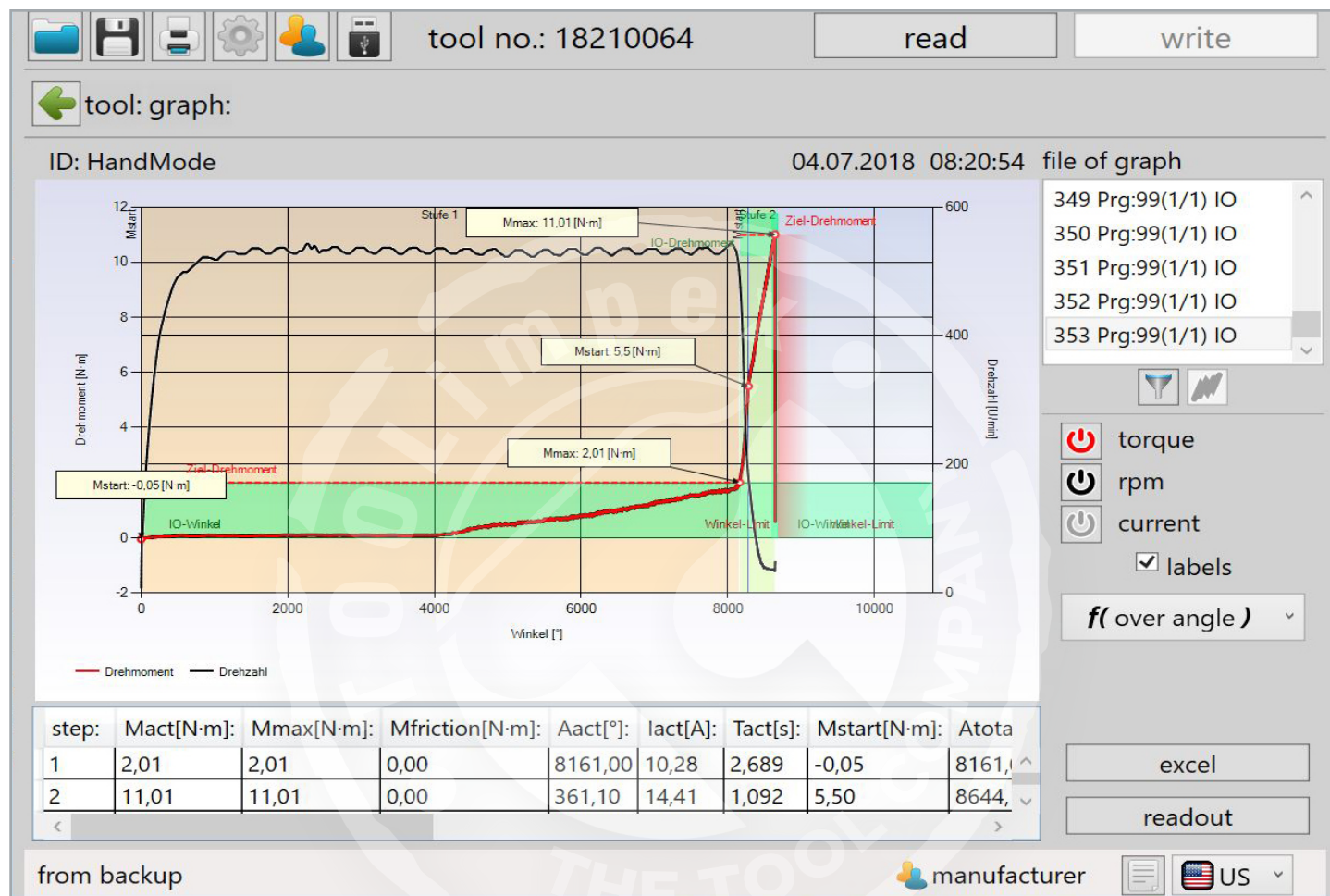
14 Torque reaction arm*



*Torque reaction arm incl. with Norbar, not included with RAD

Tools from the EC series are excellently suited for joint analysis.

The torque / angle curve is recorded directly in the tool, without additional hardware and can be exported to Microsoft® Excel for additional analysis and reports.



TorqBee® HT-ECO-Series

Programmable Tool with torque transducer

- **Torque transducer**
- **Torque accuracy**
 $\leq \pm 7\%$ $C_m > 2,00$ | $C_{mk} > 1,67$
- **6-step programmability**
 - Torque
 - Current
 - Angle
 - Speed
 - Time
- **Handle vibration alarm**
- **Multi-colored LED indicator, visible from all angles**
- **Intelligent battery management**
- **Brushless, high-power motor**
- **Display of the tightening results**
- **Brake energy recovery extends the battery life**
- **Maximum ergonomics**
- **Updates can be installed via USB**
- **OLED display**
- **Screw counter**
- **Counter memory function**
- **100 individual programs**
- **Min. 150,000 tightening results incl. torque and angle curve are stored in the tool**
- **OK/NOK evaluation of the shut-off result**
- **All common tightening strategies can be programmed**
- **Optional: Barcode reader & Wi-Fi**

For further information on the programming software, please visit our website.



Torque transducer for the highest level of precision.
Suitable for class A, B & C joints.

TorqBee® HT-ECO-Series

Programmable Tool with torque transducer



Pistol Tool	Torque	Speed	Multiplier	Tool adapter	Dimensions L × B × H	Weight
TBPECO-150*	50 - 150 Nm	4.0 - 40.0 U/min	RAD	3/4" - square	312 × 72 × 211 mm	1.80 kg
TBPECO-300*	90 - 300 Nm	2.0 - 20.0 U/min	RAD	3/4" - square	312 × 72 × 211 mm	1.80 kg
TBPECO-525*	165 - 525 Nm	1.0 - 10.0 U/min	RAD	3/4" - square	326 × 72 × 211 mm	2.20 kg
TBPECO-645*	200 - 645 Nm	0.7 - 7.0 U/min	RAD	3/4" - square	365 × 72 × 250 mm	3.20 kg
TBPECO-1250*	400 - 1250 Nm	0.4 - 4.0 U/min	RAD	3/4" - square	365 × 72 × 250 mm	3.20 kg

*

W = Wi-Fi option

B = Barcode reader option

WB = Wi-Fi & barcode reader option

The tools must be used with suitable torque reaction arm only!

Torque reaction arm not included in scope of delivery, find reaction arms on page 14.

Dimensions and weight indications without battery.



Angle Tool	Torque	Speed	Multiplier	Tool adapter	Dimensions L × B × H	Weight
TBAECO-190*	60 - 190 Nm	4.0 - 40.0 U/min	RAD	3/4" - square	474 × 72 × 132 mm	2.24 kg
TBAECO-380*	120 - 380 Nm	2.0 - 20.0 U/min	RAD	3/4" - square	474 × 72 × 146 mm	2.53 kg
TBAECO-675*	220 - 675 Nm	1.0 - 10.0 U/min	RAD	3/4" - square	474 × 72 × 146 mm	2.53 kg
TBAECO-830*	260 - 830 Nm	0.7 - 7.0 U/min	RAD	3/4" - square	482 × 72 × 185 mm	3.90 kg
TBAECO-1250*	500 - 1250 Nm	0.4 - 4.0 U/min	RAD	3/4" - square	482 × 72 × 185 mm	3.90 kg

*

W = Wi-Fi option

B = Barcode reader option

WB = Wi-Fi & barcode reader option

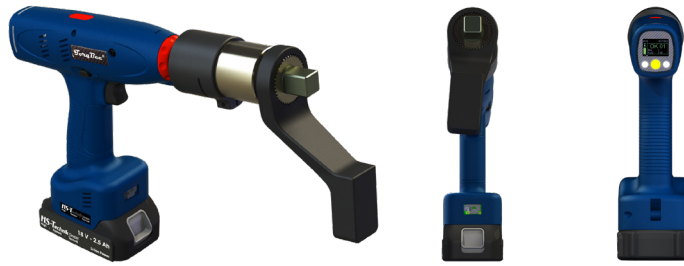
The tools must be used with suitable torque reaction arm only!

Torque reaction arm not included in scope of delivery, find reaction arms on page 14.

Dimensions and weight indications without battery.

TorqBee® HT-ECO-Series

Programmable Tool with torque transducer



Pistol Tool	Torque	Speed	Multiplier	Tool adapter	Dimensions L × B × H	Weight
TBPECO-250*	65 - 250 Nm	2.0 - 20.0 U/min	Norbar	3/4" - square	380 × 72 × 215 mm	3.75 kg

*

W = Wi-Fi option

B = Barcode reader option

WB = Wi-Fi & barcode reader option

The tools must be used with suitable torque reaction arm only!
Dimensions and weight indications without battery.



Angle Tool	Torque	Speed	Multiplier	Tool adapter	Dimensions L × B × H	Weight
TBAECO-500*	180- 500 Nm	1.0 - 10.0 U/min	Norbar	3/4" - square	520 × 72 × 238 mm	4.80 kg
TBAECO-1000*	300- 1000 Nm	0.5 - 5.0 U/min	Norbar	3/4" - square	585 × 72 × 241 mm	5.20 kg

*

W = Wi-Fi option

B = Barcode reader option

WB = Wi-Fi & barcode reader option

The tools must be used with suitable torque reaction arm only!
Dimensions and weight indications without battery.

TorqBee® HT-EC-Series

Programmable DC-tool with torque transducer and angle encoder

- rotating torque transducer and angle encoder
- Torque accuracy
 $\leq \pm 2,5 \%$
- 6-step programmability
 - Torque
 - Current
 - Angle
 - Speed
 - Time
- Handle vibration alarm
- Multi-colored LED indicator, visible from all angles
- Intelligent battery management
- Brushless, high-power motor
- Display of the tightening results
- Brake energy recovery extends the battery life
- Maximum ergonomics
- Updates can be installed via USB
- OLED display
- Screw counter
- Counter memory function
- 100 individual programs
- Min. 150,000 tightening results incl. torque and angle curve are stored in the tool
- OK/NOK evaluation of the shut-off result
- All common tightening strategies can be programmed
- Optional: Barcode reader & Wi-Fi

For further information on the programming software, please visit our website.



TorqBee® HT-EC-Serie – Benefits in comparison to the tools on the previous pages

- Rotating torque transducer and angle encoder for the highest level of precision.
- Highest level of precision even when running counterclockwise
- Suitable for class A, B & C joints.

TorqBee® HT-EC-Series

Programmable DC-tool with torque transducer and angle encoder



Pistol Tool	Torque	Speed	Multiplier	Tool adapter	Dimensions L x W x H	Weight
TBPEC-150*	50 - 150 Nm	4.0 - 40.0 U/min	RAD	3/4" - square	312 x 72 x 211 mm	1.90 kg
TBPEC-300*	90 - 300 Nm	2.0 - 20.0 U/min	RAD	3/4" - square	312 x 72 x 211 mm	1.90 kg
TBPEC-525*	165 - 525 Nm	1.0 - 10.0 U/min	RAD	3/4" - square	326 x 72 x 211 mm	2.30 kg
TBPEC-645*	200 - 645 Nm	0.7 - 7.0 U/min	RAD	3/4" - square	365 x 72 x 250 mm	3.30 kg
TBPEC-1250*	400 - 1250 Nm	0.4 - 4.0 U/min	RAD	3/4" - square	365 x 72 x 250 mm	3.30 kg

*

W = Wi-Fi option

B = Barcode reader option

WB = Wi-Fi & barcode reader option

The tools must be used with suitable torque reaction arm only!

Torque reaction arm not included in scope of delivery, find reaction arms on page 14.

Dimensions and weight indications without battery.



Angle Tool	Torque	Speed	Multiplier	Tool adapter	Dimensions L x W x H	Weight
TBAEC-190*	60 - 190 Nm	4.0 - 40.0 U/min	RAD	3/4" - square	474 x 72 x 132 mm	2.24 kg
TBAEC-380*	120 - 380 Nm	2.0 - 20.0 U/min	RAD	3/4" - square	474 x 72 x 146 mm	2.53 kg
TBAEC-675*	220 - 675 Nm	1.0 - 10.0 U/min	RAD	3/4" - square	474 x 72 x 146 mm	2.53 kg
TBAEC-830*	260 - 830 Nm	0.70 - 7.0 U/min	RAD	3/4" - square	482 x 72 x 185 mm	3.90 kg
TBAEC-1250*	500 - 1250 Nm	0.40 - 4.0 U/min	RAD	3/4" - square	482 x 72 x 182 mm	3.90 kg

*

W = Wi-Fi option

B = Barcode reader option

WB = Wi-Fi & barcode reader option

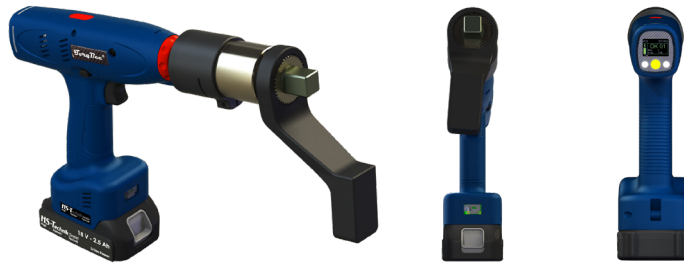
The tools must be used with suitable torque reaction arm only!

Torque reaction arm not included in scope of delivery, find reaction arms on page 14.

Dimensions and weight indications without battery.

TorqBee® HT-EC-Series

Programmable DC-tool with torque transducer and angle encoder



Pistol Tool	Torque		Speed		Multiplier	Tool adapter	Dimensions L × W × H	Weight
TBPEC-250*	65	- 250 Nm	2.0	- 20.0 U/min	Norbar	3/4" - Vierkant	380 × 72 × 215 mm	3.75 kg

*

W = Wi-Fi option

B = Barcode reader option

WB = Wi-Fi & barcode reader option

The tools must be used with suitable torque reaction arm only!
Dimensions and weight indications without battery.



Angle Tool	Torque	Speed	Multiplier	Tool adapter	Dimensions L × W × H	Weight
TBAEC-500*	180- 500 Nm	1.0 - 10.0 U/min	Norbar	3/4" - square	520 × 72 × 238 mm	4.80 kg
TBAEC-1000*	300- 1000 Nm	0.5 - 5.0 U/min	Norbar	3/4" - square	585 × 72 × 241 mm	5.20 kg

*

W = Wi-Fi option

B = Barcode reader option

WB = Wi-Fi & barcode reader option

The tools must be used with suitable torque reaction arm only!
Dimensions and weight indications without battery.

TotqBee® HT-EC/-ECO-Series Accessories

Reaction Arm for RAD-Multiplier

Order no.	description
-----------	-------------

28760	Standard Reaction Arm
-------	-----------------------



Order no.	description
-----------	-------------

28771	short Reaction Arm
-------	--------------------



Order no.	description
-----------	-------------

28773	adjustable Reaction Arm
-------	-------------------------



TotqBee® HT-EC/-ECO-Series Accessories

Reaction Arm for Norbar-Multiplier

Order no.	description
-----------	-------------

030000383	Standard Reaction Arm
-----------	-----------------------



Order no.	description
-----------	-------------

030000451	one-sided Reaction Arm
-----------	------------------------



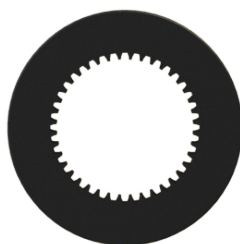
Order no.	description
-----------	-------------

030000452	double-sided Reaction Arm
-----------	---------------------------



Order no.	description
-----------	-------------

030000384	welding ring
-----------	--------------



TotqBee® HT-Series Accessories

Hanging Assembly

Order no.	Suitable for TBAECO-
HST-3618	TBAECO-190*
	TBAECO-380*
	TBAECO-675*
	TBAECO-830*
	TBAECO-1250*
	TBAECO-500*
	TBAECO-1000*



HST-3618
Rotating hanging assembly
for ECO-Tools



HST-3618

*
W = Wi-Fi option
B = Barcode reader option
WB = Wi-Fi & barcode reader option

Order no.	Suitable for TBAEC-
HST-3580	TBAEC-190*
	TBAEC-380
	TBAEC-675*
	TBAEC-830*
	TBAEC-1250*
	TBAEC-500*
	TBAEC-1000*



HST-3580
Rotating hanging assembly
for EC-Tools



HST-3580

*
W = Wi-Fi option
B = Barcode reader option
WB = Wi-Fi & barcode reader option

Order no.	Suitable for TBP-
PRIV-B8	TBPECO-150*
	TBPECO-300*
	TBPECO-525*
	TBPECO-645*
	TBPECO-1250*
	TBPECO-250*
	TBPEC-150*
	TBPEC-300*
	TBPEC-525*
	TBPEC-645*
	TBPEC-1250*
	TBPEC-250*



PRIV-B8



PRIV-B8

*
W = Wi-Fi option
B = Barcode reader option
WB = Wi-Fi & barcode reader option

TorqBee® HT-Series Accessories

Battery and charger

Battery

Order no.	HST-PR-1850
Voltage	18 V
Capacity	5.0 Ah
Compatible with	TorqBee-series, NutBee-series, RivBee-series and more
Weight	600 g



HST-PR-1850

Battery cover

Order no.	Suitable for battery
Cover-1850	HST-PR-1850



Cover-1850

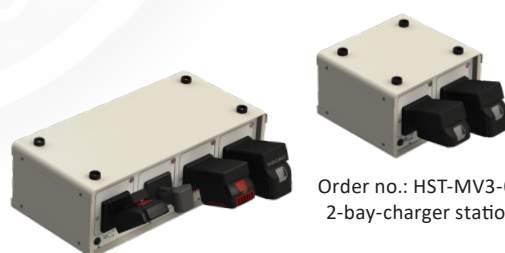
HST-PR-2830 (Single charger)

Order no.	HST-PR-2830 / HST-PR-2830-USA
Input	220 - 240 V AC, 50 - 60 Hz / 110 V AC, 50 - 60 Hz
Charging current	3 A
Output	max. 21 V
Charging time	max. 55 min with 2.5 Ah battery
Shut-off criteria	ΔU , temperature shut-off
Weight	approx. 550 g
Dimensions W × H × D	ca. 85 × 110 × 155 mm



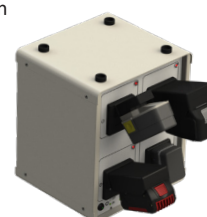
HST-MV3 (Multi-bay-charger)

Order no.	HST-MV3-02 / HST-MV3-04 / HST-MV3-04W	
Input	85 - 260 V AC, 47 - 63 Hz	
Power output	max. 624 W	
Efficiency	> 89 %	
Output	56 V / 624 VA	
Power supply ventilator	demand actuated (depending on temperature)	
Weight	HST-MV3-02	ca. 4,7 kg
	HST-MV3-04	ca. 7,6 kg (Row)
	HST-MV3-04W	ca. 7,6 kg (Cube)
Dimensions W × H × D without battery adapter, incl. feet	HST-MV3-02	289 × 182 × 260 mm
	HST-MV3-04	539 × 182 × 260 mm
	HST-MV3-04W	289 × 330 × 260 mm
conformity	CE	
Tested	FC	



Order no.: HST-MV3-02
2-bay-charger station

Order no.: HST-MV3-04
4-bay-charger station
row form



Order-no.: HST-MV3-04W
4-bay-charger station
cube form

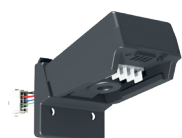
TotqBee® HT-Series Accessories

Battery adapter for MV3 Multi-bay-charger

The specifications of the battery cell manufacturers and the specifications of the battery pack from each manufacturer are taken into account in the charging process.

Order no.	For battery types	
M-MV3-PR	HS-Technik HST-PR	14.4 & 18 V Li-Ion
M-MV3-BH	Makita Makstar (BL)	14.4 & 18 V Li-Ion
	Makita Makstar (BH)	9.6 - 24 V Ni-MH
	HST-BL	14.4 & 18 V Li-Ion
	HST-BH	9.6 - 24 V Ni-MH
M-MV3-BO-LI	Bosch	14.4 & 18 V Li-Ion
M-MV3-BO-10	Bosch	10.8 V Li-Ion
M-MV3-BO-NI	Bosch	7.2 - 18 V Ni-Cd & Ni-MH
M-MV3-FEIN	Fein ASM / ASW	10.8 / 14.4 / 18 V Li-Ion
M-MV3-CPN	Atlas Copco	18 & 36 V Li-Ion (before 2021 3-pole batteries)
	Desoutter	18 & 36 V Li-Ion (before 2021 3-pole batteries)
M-MV3-Cleco	Apex Cleco Power Tools	26 & 44 V Li-Ion
M-MV3-AC30	Atlas Copco	18 & 30 V Li-Ion
M-MV3-UNI	Makita	7.2 - 24 V Ni-Cd & Ni-MH
	Bosch	7.2 - 18 V Ni-Cd & Ni-MH
	Gesipa	12 V Ni-Cd & Ni-MH
	Gesipa	14.4 V Li-Ion
M-MV3-GE	Gesipa	18 V Li-Ion
M-MV3-PA-36	Panasonic	3.6 V Li-Ion
M-MV3-PA-LI	Panasonic	10.8 / 14.4 / 18 V Li-Ion
M-MV3-PA-72	Panasonic	7.2 V Li-Ion
M-MV3-IR	Ingersoll Rand	20 & 40 V Li-Ion
M-MV3-SCS	SCS	3.6 V
M-MV3-DES	Desoutter	18 & 36 V Li-Ion (since 2021 with electronic)

Example pictures:



M-MV3-PR



M-MV3-BH



M-MV3-BO-LI



M-MV3-BO-10



M-MV3-FEIN



M-MV3-CPN



M-MV3-UNI



M-MV3-PA-LI



M-MV3-PA-36

If you require battery adapters for older charging stations, please contact us.
Additional battery adapters upon request.

Notes





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High - System - Technik

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