



# Product Bulletin



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## BLG-BC1Series

### Brushless Electric Torque Screwdrivers with Built in Screw Counter

- Various models that range from 0.9 - 17 lbf.in
- Features a built-in screw counter. No external screw counter needed.
- Detect and eliminate costly screw-fastening errors.
- Detects cross threading, omissions, unfinished rundowns and cycle complete.
- Detection of fastening error and buzzer alert.
- Fastener accept and reject lights (Go/No Go).
- Visual assembly fastener count (count up or down), including total count. Program fastening time.
- Designed for high production environments at an affordable price.
- High performance brushless motor design provides durability and reduces the standard maintenance cost for electric drivers.
- Minimal heat build-up even when tool is operated continuously.
- Ensures accuracy in fastening with precision automatic shut-off clutch once preset torque is achieved.
- Start Systems:  
BLG-4000X model: Lever Start  
BLG-5000X model: Two-way Start System (Switchable between Lever Start and Push-to-Start)
- Torque adjustment scale.
- Requires a transformer (power supply).



RoHS

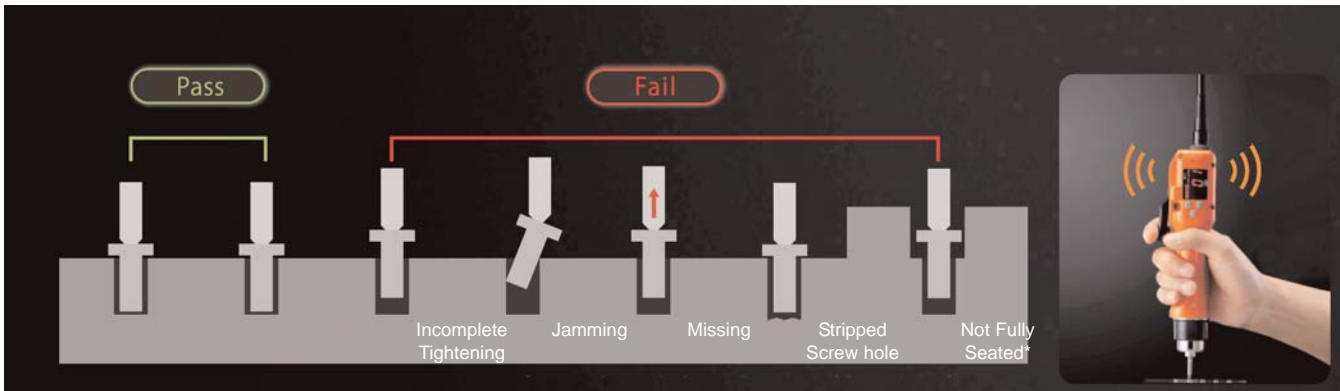


Model	Driver Type	Item #	Torque Ranges		RPM			Length	Drive Size	Wt.	Applicable Screw Size
			lbf.in	cN.m	High	Low	Grip Dia.				
BLG-4000XBC1	Lever Start	144524	0.9 - 4.8	10 - 55	1000	690	1 1/4"	8"	1/4 F/Hex	13.1 oz	M1.4-2.6
BLG-5000XBC1	Lever & Push-to-Start	144525	1.7 - 10	20 - 120	1000	690	1 1/2"	9 1/4"	1/4 F/Hex	15 oz	M2.0-3.0
BLG-5000XBC1-HT	Lever & Push-to-Start	144526	4.3 - 17	50 - 200	730	490	1 1/2"	9 1/4"	1/4 F/Hex	15 oz	M2.0-4.0

#### Transformer Guide

Model	Item #	For Use with Electric Screwdriver Models
T-30BL	144300	BL2000 - 3000, <b>BLG4000X</b>
T-70BL	144400	BL2000 - 7000, <b>BLG4000X - BLG5000X</b>

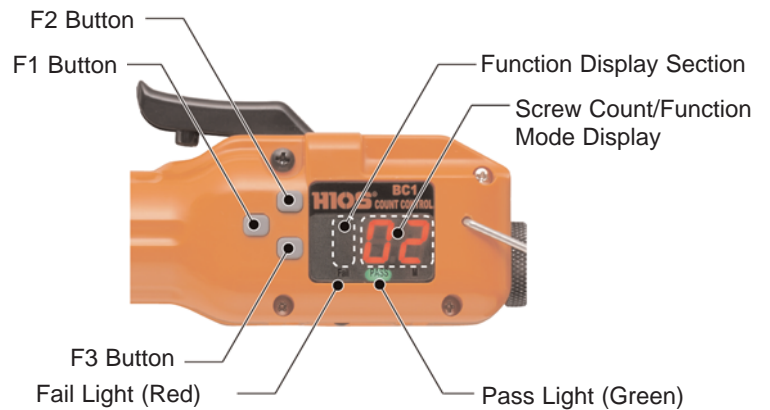
The BLG-BC1 series detects and eliminates costly screw-fastening errors. Detects cross threading, omissions, unfinished rundowns and cycle complete.



\* If the recess is deep, it is hard to visually to notice if the fastener is not fully seated

### Screw Counter Display

A screw counter helps manufacturers detect and eliminate costly screw-fastening errors during the assembly process. Screw counters verify that all fasteners have been installed and were seated to the tools preset torque setting. Ensure that all screws are accounted for during the assembly process. Lapses in preventing fastening errors can affect the bottom line. Improve assembly process and prevents costly screw fastening errors with screw counter.



### BLOP-AF

A complete signal from the BLG-BC1 screwdriver can easily be extracted and used by connecting the BLOP-AF signal relay interface to an external device such as a PLC.



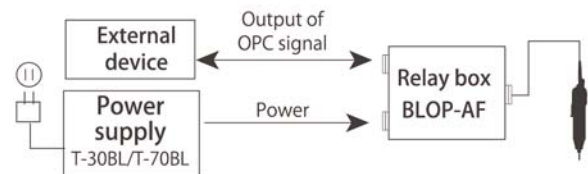
Size (WxDxH): 2 3.4" x 4" x 1 2/3"  
Weight 5.6 oz  
Power: DC30V



Types of Signals:  
Forward  
Reverse  
Torque Up

Model	Item #
BLOP-AF	144527

How to connect the BLOP-AF signal relay interface



**Note!** BLOP-AF includes a cable (1.5m), mounting brackets and plug for OPC signals.