Advantages of BLG-BC2

■ Direct teaching allows a simple setting

By installing several fasteners into the assembly the driver learns the number of motor revolutions required to correctly tighten the fasteners to the desired torque. The driver then establishes the minimum to maximum revolutions for process acceptance. The reference values of Pass/Fail can be set with the acceptance range of ± 0 up to 20%.

■ Drastically increases the error detection rate

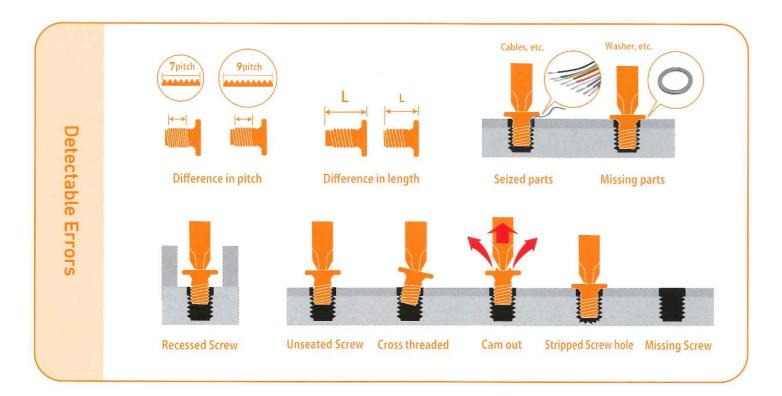
Screws that were once difficult to judge visually, (misplaced screws of different type or length, recessed screws or floating screws due to seized cables) are now detected.

Display panel indicates the measured values

The user can check the measured values on their display panel, enhancing the user's sense of security at work.

■ Installed serial port (RS-232C) makes it possible to set the driver by remote control and record pulse values of each screw tightening for traceability.

Data transmission and reception are enabled by connecting with external devices, including PC and PLC.



Comparison Table of the BLG Series with a Built-In Screw Counter

Screwdrivers			熟 BLG-BC2 Series 練工 Built-In Screw Counter + Pulse Counter	BLG-BC1 Series Built-In Screw Counter	
	Direct tead	hing (Set the pulse values only)	e	=	
	Count settings (1 to 99)		•	•	
	Work/Res	et Timer	•	•	
Se	Reverse Count Timer		•	•	
Settings	On/Off Setting of Buzzer and Reverse Count		•	i •	
Sp	Overtime / Short time		•	•	
100	Count Tin	A PLANTAGE A PARTY OF THE PARTY	-		
	Pulse Number Counter Refer to Fig. 1		•	-	
Scre	Detect Results (Pass / Fail) Refer to Fig. 1		•	•	
Screen Display	Total Num	ber of "Torque-Up" (Shutting off the driver Ily when the preset torque has been reached.)	•	•	
lay	Number o	f Counts	•	•	
	Number o	f Pulse	•	_	
Eve	Multiple settings can be changed at once from external PC		•	_	
	ial Port	Output the data of screw tightening	•	<u> </u>	
RS-	-232C	Interlock with external devices (rotating warning light, workstation address switch, etc.)	Available with RS-232C, PLC, I/O board, etc.	_	
Fig. 1		Range of Pass/Fail criteria	Fail Pass Fail O 100 101 109 110 Minimum Maximum value = Min. value = Max.	Fail Pass 0 100 101 Set Values	

Screwdriver specification

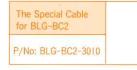


Model			BLG-4000BC2	BLG-5000BC2	BLG-5000BC2-15	BLG-5000BC2-20	BLG-5000BC2-HT	
0	T	N·m	0.1-0.55	0.2-1.2	0.3-1.0	0.3-0.8	0.5-2.0	
	utput Torque	lbf•in	0.9-4.8	1.7-10	2.6-10	2.6-7	4.3-17	
Ка	nge	(kgf·cm)	(1-5.5)	(2-12)	(3-10)	(3-8)	(5-20)	
Torque Switching			Stepless adjustment	Stepless adjustment	Stepless adjustment	Stepless adjustment	Stepless adjustment	
Un	loaded Rotation	HI	1.000	1.000	1.500	2.000	730	
Spe	eed (rpm) ±10%	LOW	690	690	940	1.400		
Screw Size (mm)		Machine	1.4-2.6	2.0-3.0	2.3-3.0	2.3-3.0	2.0-4.0	
		ScrewTapping	1.4-2.3	2.0-3.0	2.0-2.6	2.0-2.6	2.0-3.0	
Dri	ive size	HIOS Shank	H4	H4	H4	H4	H5 & 5HEX	
ווט	IVE SIZE	Tapping Screw	1/4HEX	H5 & 5HEX or 1/4HEX	H5 & 5HEX or 1/4HEX	H5 & 5HEX or 1/4HEX	1/4HEX	
0	C 1	T-45BL	0	0	O *	0*	0*	
PC	ower Supply	T-70BL	0	0	0	0*	0*	
Accessories		H4	+#0(Φ2.5×40mm) +#1(Φ4.0×40mm)	+#1(Φ4.0×40mm) +#2(Φ4.0×40mm)	+#1(Φ4.0×40mm) +#2(Φ4.0×40mm)	+#1(Φ4.0×40mm) +#2(Φ4.0×40mm)		
	Bit type	H5					+#1(Φ5.0×60mm) +#2(Φ5.0×60mm)	
		1/4HEX	+#1(5.0×50mm) +#2(5.0×50mm) (5.0×50mm)	+#1(5.0×50mm) +#2(5.0×50mm) - (5.0×50mm)	+#1(5.0×50mm) +#2(5.0×50mm) - (5.0×50mm)	+#1(5.0×50mm) +#2(5.0×50mm) - (5.0×50mm)	+#1(5.0×50mm) +#2(5.0×50mm) - (5.0×50mm)	
	Spring		White					
	Cord length (m)		2m(6P)	2m(6P)	2m(6P)	2m(6P)	2m(6P)	
	HEX L-wrench			WAF: 5mm (1pc)	WAF: 5mm (1pc)	WAF: 5mm (1pc)	WAF: 5mm (1pc)	

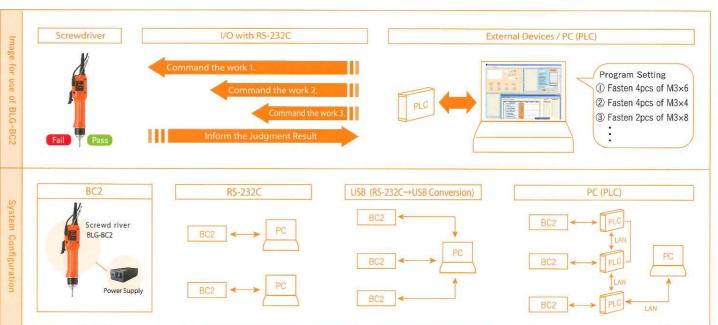
 $(Note)\ Use\ only\ 2(HI)\ power\ outlet\ with\ the\ {}^{\textstyle\star}models.\ These\ models\ may\ not\ perform\ properly\ on\ 1(LOW)\ power\ outlet.$

For External I/O

To use external I/O, the special cable with the sample application software is available as an option.







Power Supply for Brushless screwdriver

Number of connectable screwdrivers	û j unit		
Power supply Screwdriver	T-45BL	T-70BL	
BLG-4000BC2	•	•	
BLG-5000BC2	•	•	
BLG-5000BC2-15	• * · · · ·	•	
BLG-5000BC2-20	*	•	
BLG-5000BC2-HT	*	<u></u> *	



Model: T-70BL	(for one screwdr	iver)	RoHS C	E PS UL CO			
Primary input power source	y input power source AC100-240V (47-63 Hz)						
Secondary output voltage	HI(2): DC30V、LOW(1): DC20V 2-step switchable						
External dimensions (mm)	88(W)×210(D)×52 (H) mm						
Weight (g)	685 g						
Accessories	Power supply cord 1.8m (1pc), Flat 2P conversion plug (1pc) (only for 100V), Mounting bracket (2 pcs), Mounting screw (4 pcs)						
Plug Type	A	A-2	2	A-3/C/BF/S			

■Plug type





















NEW

With This No Mistakes



"Evolving BLG Series" Part 2

Detect errors in screw fastening in real time with high accuracy by counting the pulse of the motor. No need to rely on the experience or logic of operators any longer. The screwdriver itself will enhance the quality of screw fastening.

Brushless® Screwdriver

Built-in Screw Counter / Pulse Counter

BLG-4000BC2 BLG-5000BC2

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