BLG Series -The New Industry Benchmark in Electric Torque Drivers

Our new brushless screwdriver hasn' t only achieved enhanced performance, quality and durability, but also easiness of disassembling and reassembling for maintenance owing to unitization of internal components. In addition, our new screwdriver is highly cost-competitive and can be used anywhere in the world

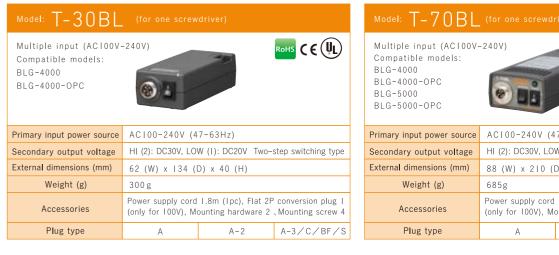
Brushless® Screwdriver **BLG Series**

BLG-4000 BLG-5000



Exclusive power supply for our brushless screwdrivers

Low-voltage output (30V/20V) achieves safe and quiet operation. There is always a stable voltage supply.





Screw counter Series

You can set the number of screws to be fastened between I and 99.

The screw counter displays the remaining number after every fastening action.

You can easily use a separate screw counter by connecting it to the existing HIOS power supply.

The mini screw counter can be used by connecting it directly to the screwdriver.

Power supply with screw counter



Separate counter (external)



Mini separate counter (external)



Notes: Hang BLOP-SC3 with a balancer when you use it. Do not use BLOP-SC3 for horizontal fastening.

Plug

Voltage	100V		120V	220-240V			
	Type A	Type A-I	Type A-2	Type A-3	Type C	Type BF	Type S
Plug type					E 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		

Comparison of our products

x You can smoothly change from a brushed screwdriver (e.g., CL and α series) to a brushless

screwdriver (e.g., BLG Series) without a significant cost increase.

BL-5000

Brushless Screwdri

BLG-5000

(carbon brush)

CL-6000

 α -5000

Eco-friendly brushless motor is used.

cause of no emissions of carbon particles, it provides a n environment for electronic components as well as for laces. There is no risk of electric leakage.



Low voltage (DC 30V) is reassuring for safe use. ause of the low voltage design, you can use it safely and at ease. low voltage also allows for easier maintenance.



wo-way Start System (Switchable)

u can switch between Push-to-Start and Lever Start s is only for BLG-5000).



Antistatic (applied for EPA Certification)

body case is made of antistatic resin. Therefore, it does not ily get a static charge and is suitable for assembling of precision ces and electronic components.



e screwdriver heat generation has been reduced by approx. Compared with the conventional HIOS products)

f the brushless motor has significantly reduced the screwdriver neration. The screwdriver heat generation is low and does not



asy maintenance unit

ause the internal structure is unitized, maintenance can be e with only one screwdriver.



eliable screw-tightening quality

have realized stable screw-tightening quality by maintaining n-precision torque for a long time.



tstanding durability

ty has been significantly enhanced by eliminating nctions and failures due to wear of the consumable parts.

Lever Start BLG-4000

BLG series

(switchable between Push-to Start and Lever Start) **BLG-5000**

Two-way Start System





ccessories Suction attachment for BLG Series

Vertical screwdriver operating stand The stand constantly keeps the screwdriver in a vertical position, allowing accurate screw tightening through minimal operation.



Power supply with the screw counter

BLOP-STC3

Holder for BLG screwdriver (optional) The holder to fix the screwdriver to the stand is optional. Please purchase it separately.

Model number: VMS-0900-BLG

615

Screwdrivers with screw counter

These screwdrivers prevent you from skipping screw fastening in combination with the screw counter. They have the ability to output positive rotation, reverse rotation and torque- increase signals.

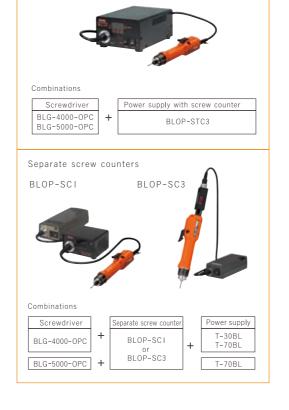
Lever start BLG-4000-0PC

Two-way Start System (switchable)





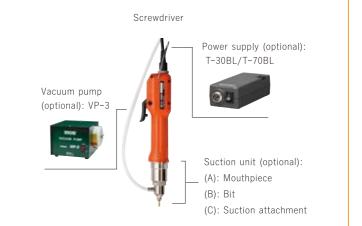




Configuration of a suction screwdriver

Compatible screwdrivers: BLG-4000/BLG-5000

used to remove powder dust generated from screw fastening.



Suction attachment for BLG Series

Outline of the suction parts

Guide for ordering

(A)(B) and (C) need to be purchased separately if you would like to mount this suction device to your BLG screwdriver.

 * The type of (A) and (B) depends on the screw size. For more information on that, please visit our website at http://hios.com/EN/product/index_mouthpiece.html

	A Mouthpiece			B Driver Bits			C Suction attachment		
Model name	Туре	Total length	External dimensions	Type (a)	Total length ((b) External dimensions	Standard	Anti-static	
BLG-4000	F3	18mm	Φ7.5 18mm	Hios H4 (Φ4)	60mm	n (a)	BLGQ4-SET		
BLG-5000	F3	10		Hios H4	40mm	n (b)	BLQ5-SET	BLQ5-SET-ESD	
BLG-5000	F3	18mm		(Ф4)	60mm	n	BLQ5N-SET	BLQ5N-SET-ESD	

By making use of negative pressure, the effort needed to pick up screws can be reduced. This suction device can even pick

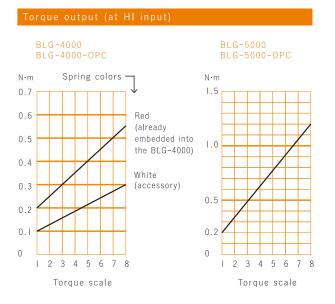
up non-ferrous screws such as stainless steel screws by vacuuming, and improves effectiveness of operation. It can also be

Specifications of screwdriver

	Model			DLG 4000	DEG 3000	
Model				BLG-4000-OPC	BLG-5000-OPC	
	Start system			Lever Start	Two-way Start(switchable)	
	Output N·m		m	0.1-0.55	0.2-1.2	
	torque	lbf∙in		0.9-4.8	1.7-10	
	range	(kgf·cm)		(1-5.5)	(2-12)	
	Torque adjusting			Stepless adjustment	Stepless adjustment	
	loaded rotation			1.000	1.000	
spe	eed (r.p.m.) +/-10%		LOW	690	690	
	Screw size	Machine screw		1.4-2.6	2.0-3.0	
(1	mm)	Tapping screw		1.4-2.3	2.0-3.0	
Bi	it HIOS Shank			H4	H4	
ty	/pe Hexagonal shank		shank	I/4HEX	H5 & 5HEX or I/4HEX	
	Compatible T-30BL power supply T-70BL			0	_	
р				0	0	
	HIOS Shank bit (Ipc each)		H4	+#1(Φ2.5×40mm) +#2(Φ4.0×40mm)	+#1(Φ4.0×40mm) +#2(Φ4.0×40mm)	
Accessories	Hexagonal shank bit (1/4HEX (1 pc each)		I/4HEX	+#1(5.0×50mm) +#2(5.0×50mm) -(5.0×50mm)	+#I(5.0×50mm) +#2(5.0×50mm) —(5.0×50mm)	
ries	Torque Spring			White spring		
	Cord length (m)		BLG	I.5m(5P)	I.5m(5P)	
			BLG-OPC	2m(6P)	2 m (6 P)	
	HEX L -wrench				WAF 5mm I pc	

BLG-4000 BLG-5000

Note: If you would like to order hexagonal shank (special order), no bit would be attached. Please purchase standard measure bit in the markets. The power supply CLT-30 * and CLT-60 are compatible with BLG except BLG-OPC Series.(* CLT-30 is not compatible with BLG-5000.)



* For adjusting torque of BLG-4000, two types of torque springs are available. The red one is for large torque (already embedded into the BLG-4000) and the white one is for small torque (accessory). Please select a suitable one for your work.