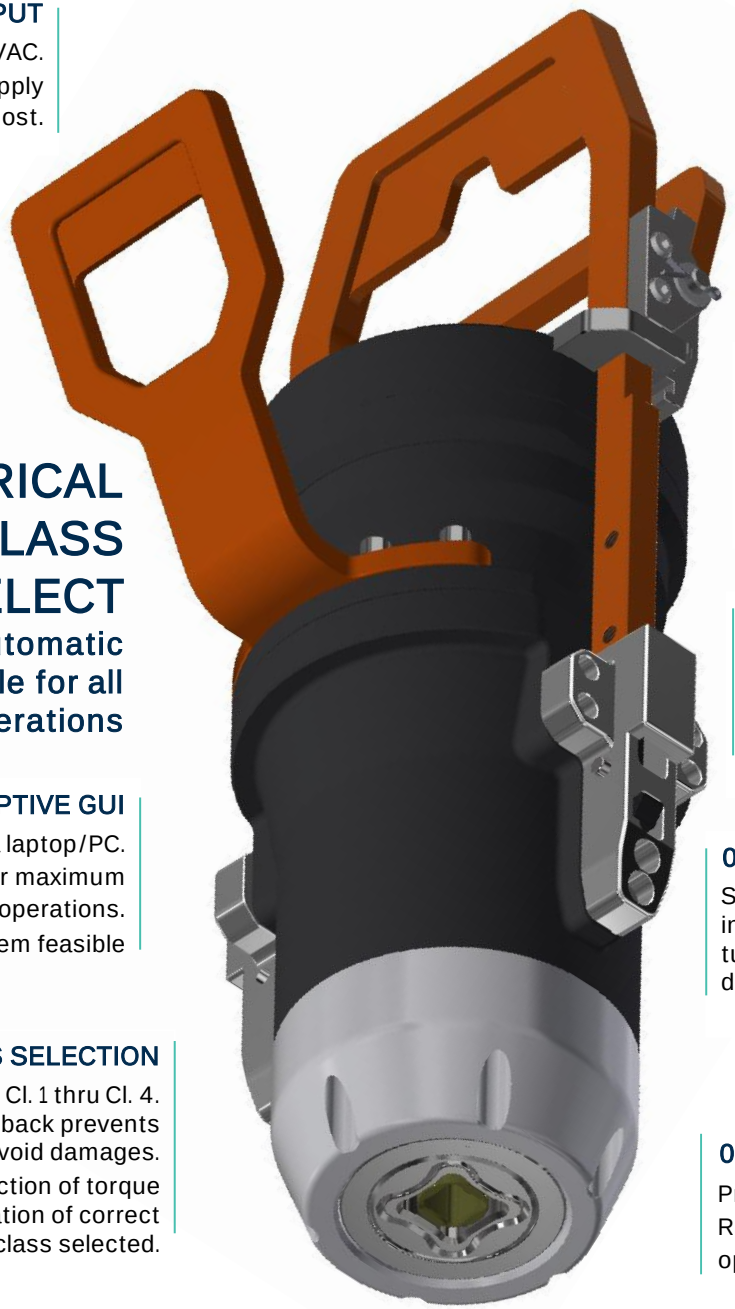
BLUE LOGIC

001 FLEXIBLE POWER INPUT

AC or DC power, 145 – 350VDC or 110 – 250VAC.
Power Factor Controller adapts to any power supply available from the host.



002 INGENIOUS LATCH MECHANISM

Auto-latch locking the tool in position once fully inserted. One-grip manipulator operation to realease after operation.

003 LOG ALL PARAMETERS

All operations logged for operational reporting. Trending of required torque allows for condition monitoring of critical subsea applications over time.

BLUE LOGIC ELECTRICAL TORQUE TOOL – AUTO CLASS SELECT

All-Electric Torque Tool with automatic selection of output class. Suitable for all kinds of Subsea Torque operations

004 POWER LIMIT FEATURE

Max. power during operation can be limited in GUI to suit any ROV. Perfect for ROVs with limited electrical power available. Stepless adjustable 0 - max

005 ADAPTIVE GUI

Dedicated GUI for operation via laptop/PC.
Large range of settings and auto-functions for maximum control and logging of all operations.
Integration with external control system feasible

006 PREDIFINED OPERATIONS

Set-up for specific operations can be pre-defined in GUI wrt. max torque, ramp-up/down, speed, turns, direction etc. Crucial when operating delicate valves.

007 AUTO CLASS SELECTION

Automatic, mechanical selection of output socket, Cl. 1 thru Cl. 4. Mechanical clutch arrangement with sensor feedback prevents torque operation until socket is fully engaged to avoid damages.
Autodetect of engaged socket enabling auto-selection of torque output. Pop-up window in GUI will ask for confirmation of correct class selected.

008 SMOOTH OPERATION

Precise motor controller enables gentle operation. Ramp-up and ramp-down feature ensures careful operation of critical applications.

BLUE LOGIC CLASS 1-4 ELECTRICAL TORQUE TOOL

BLUE LOGIC

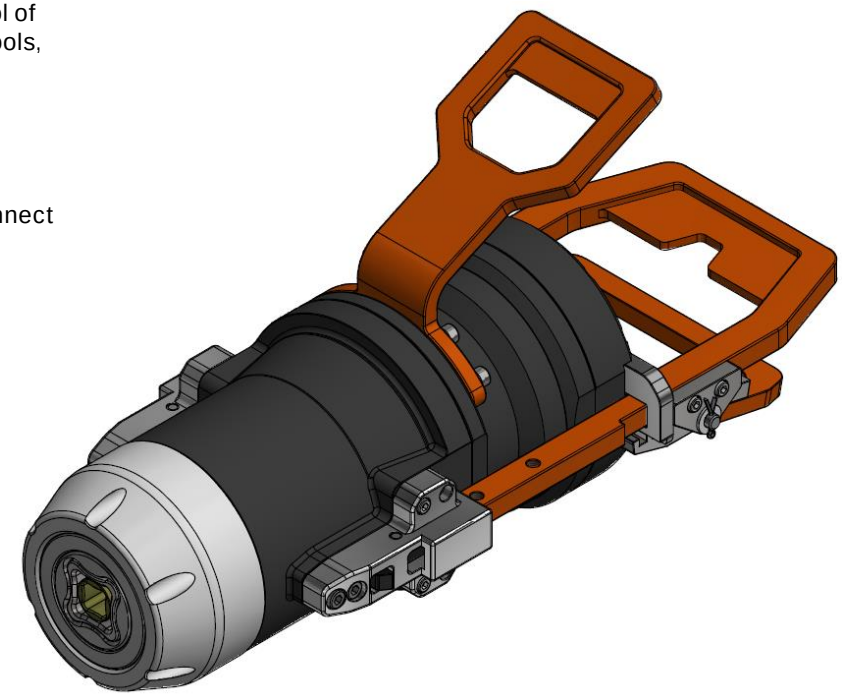
The Blue Logic Electrical Torque Tool utilize technology and advantages based on modern servo-based electrical controlled drive system to enable precise control of rotational speed, angular position and torque output. Different from hydraulic tools, the performance is not influenced by changes in surrounding temperature.

Optional Equipment:

- Torque verification jig, deck testing
- Torque verification jig, subsea testing
- Inductive connector for power & comms allowing for subsea hook-up/disconnect of Torque Tool and ROV, similar to traditional hot stab connect/disconnect
- Class 6-7 gearbox

Article No.	BB9879
Depth rating	3000 m
Supply voltage	110-250 VAC 50/60 Hz or 145-350 VDC
Standards	API17H / ISO 13628-8
Output sockets	API17H / ISO 13628-8 Class 1 - 4
Weight in air	34,0 kg
Weight in seawater	25,7kg
Dimensions	240 x 300 x 593 mm
Torque range, Cl1-2	67,5 – 270 Nm
Torque range, Cl3-4	500 – 2700 Nm
Low torque max speed	30 RPM
High Torque max speed	6 RPM
High torque accuracy	+/-10% @torque above 250 Nm
Low torque accuracy	+/-5% @torque below 250 Nm
Positioning precision	+/- 1 °
Max. power consumption*	2000 W
Max current draw*	20 A
Communication	RS232 or RS485, Modbus RTU Protocol
Electrical interface	8 pin Burton 5506-2008 connector

***Max. power can be limited in GUI to suit ROV's output



BB9879 2,7kNm Torque Tool with Auto Class Select

104212 Cl.4 Calibration Jig

BB0167 Cl.2 Calibration Jig

BB2408 Class 6 - 7 Gearbox