Founded in 1989, KOLVER has soon taken the leadership in the European market of precision Electric Screwdrivers for industry. Thousands of state-of-the-art drivers are produced every year in Italy and then shipped to more than 30 Countries worldwide.

ISO 9001 certified since 1998, KOLVER has gained international recognition for building premier quality innovative products that meet or even anticipate the most rigorous customer requirements.

KOLVER

The Kolver family of tools is one of the most comprehensive in the electric power tool industry covering a wide range of torque at several speeds, suitable for an indefinite number of applications. Kolver tools feature either shut off clutch or current control system, coreless or brushless motors all controlled by a state of the art electronic control unit. Thanks to their low installation, operating and maintenance costs as well as to their reduced vibration and noise level, Kolver Electric Screwdrivers represent the perfect alternative to pneumatic screwdrivers for screws up to M10

Kolver Electric Screwdrivers are:

ERGONOMIC
Advanced grip design, light in weight, vibrations within the norms, for maximum operator comfort

CLEAN
No air exhaust + No lubrication = a cleaner environment

SAFE
Because of the transformer, only 30 V to the tool

FLEXIBLE
From the controller, you can adjust the running speed and the slow start duration.
Multi torque models also available for additional functions

ACCURATE
With the electronics shut off mechanism, the accuracy is better than 5% of the pre-set value.

FOR EVERY APPLICATION
Range up to 50 Nm, straight, pistol, 90°, ESD, with vacuum, lever start or push to start...

NOISELESS
Noise within 55 dB(A)

COST EFFECTIVE
Low purchasing price + virtually no maintenance + no need of compressed air line + no need of spiral hoses & couplers & fil ers & regulators-lubricators = operating cost up to 200 times cheaper than pneumatic screwdrivers

Pluto Series Screwdrivers Current Control & Clutch Style

Kolver's ingenuity and experience have led to the development of Pluto (PLUs Torque) Screwdrivers, the most advanced DC tools in the market, able to reach 50Nm. They feature an innovative coreless electric motor with low inertia and friction with absence of iron losses for extreme efficiency and extended life. Planetary gearboxes with high quality composite materials. Pistol grip to fit operator's hand ergonomically. PLUTO Screwdrivers are available in pistol or inline styles; lever, trigger, or push-to-start. All models are ESD safe. Select models (Pluto 3, 5, 7 FR) also available in Clutch Style torque adjustment.

Pluto CA/SR series Screwdrivers are designed for higher torque range up to 50Nm. The CA/SR series features a sleek design with a robust aluminium body allowing for operator comfort and durability. Torque & Angle controlled models also available.

PUSH-TO-START DRIVER

OPTIONAL RIGHT ANGLE HEADS

TUBE NUT & CROWS FOOT

PLUTO20CA/SR

Model	Code	Torque Nm	RPM (Max)	Weight Kg	Dimensions (mm)	Torque Adjustment	Style
PLUTO3D	130203	0.3-3.0	1200	0.55	216x40	Current	Inline
PLUTO3P	130204	0.3-3.0	1200	0.55	150x150x45	Current	Pistol
PLUTO3P/U	130205	0.3-3.0	1200	0.55	150x150x45	Current	Pistol/Cord Up
PLUTO3D/PS	130203/PS	0.3-3.0	1200	0.55	289x51	Current	Inline/Push-start
PLUTO3FR	131203	0.5-3.2	1300	0.55	273x40	Clutch	Inline
PLUTO5FR	131205	0.7-5.0	1000	0.55	273x40	Clutch	Inline
PLUTO6D	130206	0.5-6.0	920	0.55	216x40	Current	Inline
PLUTO6P	130207	0.5-6.0	920	0.55	150x150x45	Current	Pistol
PLUTO6P/U	130207/U	0.5-6.0	920	0.55	150x150x45	Current	Pistol/Cord Up
PLUTO6D/PS	130206/PS	0.5-6.0	920	0.55	289x51	Current	Inline/Push-start
PLUTO7FR	131207	1.0-7.0	600	0.55	273x40	Clutch	Inline
PLUTO10D/N	130211/N	1.5-10.0	600	0.55	216x40	Current	Inline
PLUTO10P/N	130210/N	1.5-10.0	600	0.55	150x150x45	Current	Pistol
PLUTO10P/U/N	130210/U/N	1.5-10.0	600	0.55	150x150x45	Current	Pistol/Cord Up
PLUTO10D/PS	130211/PS	1.5-10.0	600	0.55	289x51	Current	Inline/Push-start
PLUTO15D/N	130216/N	2.0-15.0	320	0.60	216x40	Current	Inline
PLUTO15P/N	130215/N	2.0-15.0	320	0.60	150x150x45	Current	Pistol
PLUTO15P/U/N	130215/U/N	2.0-15.0	320	0.60	150x150x45	Current	Pistol/Cord Up
PLUTO15D/PS	130216/PS	2.0-15.0	320	0.60	289x51	Current	Inline/Push-start
PLUTO20CA/SR	133221/SR	2.0-20.0	210	1.10	232,10x47	Current	Aluminium body*
PLUTO35CA/SR	133236/SR	2.0-35.0	140	1.50	246,60x57	Current	Aluminium body*
PLUTO50CA/SR	133250/SR	5.0-50.0	90	1.50	246,60x57	Current	Aluminium body*

*with start/reverse buttons

EDU2AE/TOP/E

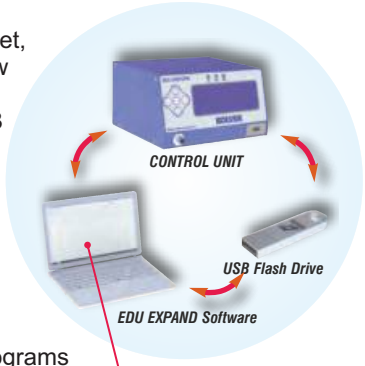
EDU2AE/TOP/TA

New PLUTO Control Units - with Expanded Software

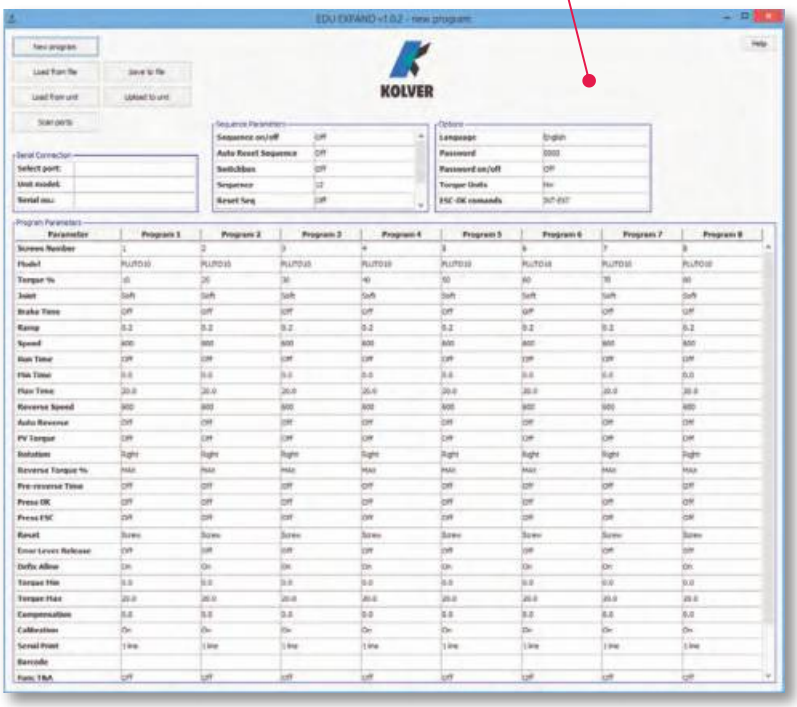
The EDU2AE/TOP/E & the improved version of EDU2AE/TOP/TA Controllers are now available with programming software. Each control unit is supplied standard with EDU EXPAND software and an 8GB USB flash drive. An external WiFi device is available on request.

Main Features:

- PC programming (back panel): it is possible to set, change and save all parameters through the new "EDU EXPAND" software for PC. EDU EXPAND communicates with the Control Unit via miniUSB or RS232.
- Saving/programming on USB flash drive (front panel): you can now save the results of each screwing operation directly on USB pen drive!



It is also possible to upload via USB drive all parameters/programs previously set on "EDU EXPAND". Just connect your USB to the port and recall the desired programs on the menu. The programs set on Control Unit can be downloaded on USB and recalled on another unit and on EDU EXPAND, too.



Model	Code	Features	Dimensions mm	Weight kg	Screwdriver
EDU2AE/TOP/E	031000/TOP/E	EDU2AE/TOP Controller with Expanded Software for remote programming via USB port & PC	190x205x120	4.0	PLUTO Series
EDU2AE/TOP/TA	031000/TOP/TA	031000/TOP/TA 8 P-set Controller, Parts Counting, Torque Display, 15 I/O, USB port	190x205x120	4.0	PLUTO/TA Series

Linear Arm

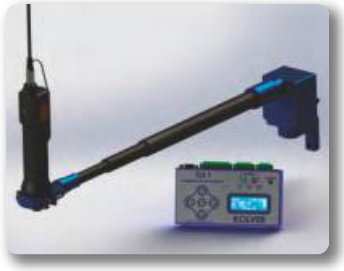
Linear arm maneuvers smoothly as it absorbs the torque reactions from the screwdrivers providing ergonomic support for the operator. The fluid movement increases precision and production for a variety of torque applications. It prevents cross threading and side load. It keeps tool perpendicular, reduces RMI (Repetitive Motion Injury) and CTS (Carpal Tunnel Syndrome) while boosting production. Adjustable arm length extends horizontally.

Model	Code	Max Torque Nm	Max Reach mm	Min Reach mm
LINAR1	010681	25	665	184

Telescopic Arm Series

CAR series Torque Reaction Arms are designed to eliminate the reaction that screwdrivers generate when they stop at the preset torque (up to 50 Nm). Their carbon structure makes them extremely lightweight and incredibly resistant at the same time. For such reasons, they resist degradation in high fatigue applications much better than conventional materials.

Model	Code	Min Reach mm	Max Reach mm	Weight kg	Max Torque Nm
CAR101	010661	549	906	0.25	10
CAR281	010663	490	950	0.60	25
CAR282	010664	730	1650	0.75	25
CAR501	010665	490	950	0.65	50
CAR502	010666	730	1650	0.80	50

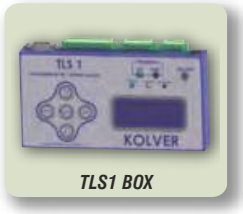


TLS1 Positioning Arm

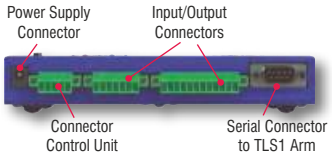
The TLS1 Arm is an “intelligent” system that ensures that every screw is in correct location at the right torque. Assembly sequences and X-Y co-ordinates are easily programmed with user interface screens through the keypad from the intuitive menu. Torque programs are automatically selected and enabled from the Screwdriver Controller based on TLS1 Arm locations and current sequence step. No PC is required. Only requirement is a fixture that can hold the work at the same place every time.

TLS1 Arm consists of Torque Reaction Arm with an Encoder & a Linear Metering Resistor. The Encoder records angle & the Linear Resistor records the distance. The TLS1 Control Box converts the angle counts of the encoder and the distance detected by the resistor to the precise X-Y position of the Screwdriver.

- 8 available programs.
- Up to 35 screws per program
- Screw position (length/angle)
- Programmable tolerance
- Statistics
- Manual reset
- Password protected
- Units in (mm, inch)
- Language option
- Accuracy: Length ±1mm; Angle ±1°
- External Keyboard and Serial Port for easy programming & reporting



TLS1 BOX



Model	Code	Min Reach mm	Max Reach mm	Max Torque Nm
TLS1/CAR281	010663/TLS1	550	1000	25
TLS1/CAR282	010664/TLS1	800	1720	25
TLS1/CAR501	010665/TLS1	550	1000	50
TLS1/CAR502	010666/TLS1	800	1720	50

Warranty is 12 months from the date of invoice. It excludes all consumable parts and any physically damaged part.

Controlling torque is vital for companies to ensure their product's quality. Fasteners that are insufficiently torqued, can vibrate loose and excessive torque can strip threaded fasteners. Using a quality Torque Analyzer, has become increasingly important for many companies to ensure that proper torque is being applied.

TORQUE TESTER - Mini K Series

MINI K Torque Analyzers feature a built-in transducer. The easy-to-use Torque Tester is ideal for checking all power tools up to 20 Nm. The small size and portability of the MINI K makes it ideal for checking torque tools on the production floor regularly to ensure the tools are always calibrated.

- Built-in Transducer
- Three models with 1 Nm, 5 Nm and 20 Nm max torque range
- Three units of torque measurement available; Nm, Kg.cm, in/lbs
- Four digit display
- Manual and auto reset functions to clear displayed values
- Battery powered (9V) and AC adapter. 9V battery provides 30 hours of continuous operation
- RS232C Serial Port as option with date and hour
- Automatic shut down to extend battery life
- Torque Tester includes a spring washers joint simulator (miniK25 and miniK20) or built in joint simulator (miniK1) and a case

Accuracy: 0.5% of reading from 10% to 100%
Accuracy: 1% of reading from 1% to 10%

Model	Code	Torque (Nm)	Dimensions (mm)	Weight (kg)
mini K1	021402	0.03 ~ 1	150x70x45	0.80
mini K5	021403	0.1 ~ 5	150x70x45	0.80
mini K20	021404	0.5 ~ 20	150x70x45	0.80

TORQUE TESTER - Mini Ke series

The Mini Ke System consists of a Torque Read-out and an External Rotary Transducer. The Rotary Torque Transducer is the ideal torque-auditing tool for testing the actual torque being applied on the assembly application. By connecting a Rotary Torque Transducer between an Electric or Pneumatic Tool and an assembly application, you can monitor the real torque being applied from the tool to fastener or bolt.

Accuracy: 0.5% of reading from 10% to 100%.
Accuracy: 1% of reading from 1% to 10%.

Correction factor (FATC): it is possible to connect different transducers to the same Torque Read-out.

Model	Code	Torque (Nm)	Tester Dimensions (Nm)	Rotary Transducer Dimensions (Nm)	Weight (kg)*
mini Ke 5	021405/5	0.5–5	150x70x45	25x92	0.50
mini Ke 25	021405/25	2–25	150x70x45	25x92	0.50
mini Ke 50	021405/50	Up to 50	150x70x45	89.5x52x63.5	0.50
mini Ke	021405	#	150x70x45		0.50

#Transducers up to 500 Nm available upon request

*without transducer

Warranty is 12 months from the date of invoice. It excludes all consumable parts and any physically damaged part.

Kolver Torque Testers - K Series

The K Series is a totally new class of Torque Analyzers. They feature a built-in transducer and also have the unique ability to connect to an external transducer. Using a high performance circuitry, they collect, store and eventually download torque measurements for complete analysis of the tool and/or the joint. This Tester has become popular among those companies wishing to improve their product quality through the precise control of torque.

Features:

- User friendly menu.
- Accuracy: +/- 0.5% of the displayed value.
- Internal transducer for tests on a joint simulator (supplied with the unit).
- Connection for external transducer (transducer is available optionally).
- 500 readings memory.
- Selection among Nm, Ncm, Kg.cm, in/lbs.
- RS232C output (cable not included).
- Indication <=> of the preset values.
- Output signal at preset reached value.
- Clockwise and counter-clockwise measurement.
- 3 models of operation: Peak +, Peak -, Track.
- Manual or automatic reset.
- 9 V rechargeable battery provide 4 hours of continuous operation. Automatic switch off to reduce battery consumption.
- 125% transducer overload protection.

Supplied in a Plastic Carrying Case, with one Rechargeable Battery, 1 Joint Simulator (semi-elastic), Instructions Manual and Certificate of Calibration. Additional Joint Simulators (rundown adapters) for hard joint or fully elastic joint available on request.


JOINT SIMULATOR


EXTERNAL ROTARY TRANSDUCER

CONNECTING PORTS


KEYPAD

Model	Code	Torque (Nm)	Dimensions (mm)	Weight (kg)
K1	020402	0,05–1	180x105x55	1.0
K5	020403	0,3–5	180x105x55	1.0
K20	020404	0,5–20	180x105x55	1.0
KTE5	022405	0,5–5	External rotary transducer for K5	
KTE25	022425	2–25	External rotary transducer for K20	