



K-DUCER

The Transducer Solution

KOLVER

THE K-DUCER 4.0 REVOLUTION

The K-Ducer is the new class A intelligent transducerized assembly system from Kolver, the electric tool pioneer since 1989. The system consists of an advanced state-of-the-art controller and a range of handheld and fixtured electric screwdrivers with torque up to 15 Nm (to be extended to 50 Nm soon).

KDS SCREWDRIVERS

KOLVER KDS transducerized electric tools cover all assembly line requirements for accurate, high-quality torque and angle-controlled tightening.

The built-in compact transducer provides torque control with excellent repeatability. The KDS screwdrivers feature unsurpassed ergonomics, soft touch design, status LED, temperature protection combined with full traceability and error-proofing capabilities. Available in straight, pistol and fixture configuration.

| MODEL | CODE NUMBER | TORQUE Nm | TORQUE in.lbs | MAX RPM | WEIGHT kg | LENGTH mm | HOUSING |
|------------|-------------|-----------|---------------|---------|-----------|-----------|---------------|
| KDS-PL6 | 135006 | 0.5-6.0 | 4.42-53.1 | 850 | 0.7 | 251 | INLINE |
| KDS-PL6CA | 135106 | | | | 0.9 | 250 | FIXTURE MOUNT |
| KDS-PL6P | 135007 | | | | 0.7 | 196 | PISTOL |
| KDS-PL10 | 135010 | 0.8-10 | 7.1-88.5 | 600 | 0.7 | 251 | INLINE |
| KDS-PL10CA | 135110 | | | | 0.9 | 250 | FIXTURE MOUNT |
| KDS-PL10P | 135011 | | | | 0.7 | 196 | PISTOL |
| KDS-PL15 | 135015 | 0.5-15 | 4.42-132.8 | 320 | 0.7 | 251 | INLINE |
| KDS-PL15CA | 135115 | | | | 0.9 | 250 | FIXTURE MOUNT |
| KDS-PL15P | 135016 | | | | 0.7 | 196 | PISTOL |

Due to our policy of continuous product improvement at KOLVER, the design, data and specifications are subject to change without prior notice.



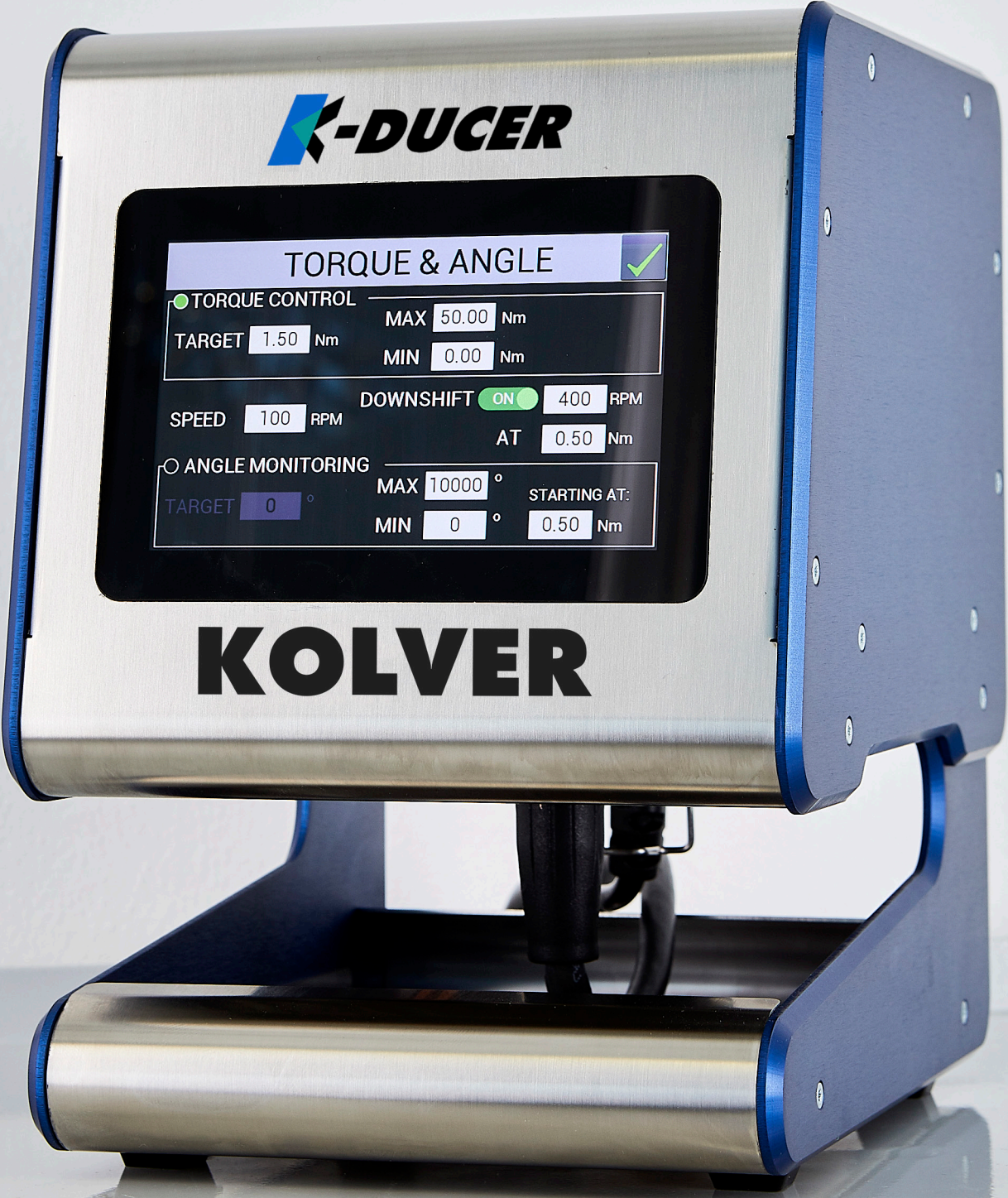
"Let it shine as gloriously / As the Venus of the sky."
W. Shakespeare, A Midsummer Night's Dream

KDU-1 POWER UNIT AND CONTROLLER

The KDU-1 Series of controllers give you full control of your fastening operation in an industry leading compact size. With features like touch screen color display, multiple programs and sequences, intuitive programming interface, torque and angle control and graphs output, the KDU-1 units provide unmatched performance and value. Set-up and operation are really an easy task. The power unit comes in two versions depending on the functionality level required. The KDU-1 basic unit features total job options and includes serial and USB ports. In addition to it, the KDU-1A advanced controllers feature Modbus TCP communication port. Units may be programmed either through the touch screen or via a PC software. KDU controllers will operate all KDS Series of tools.

| FUNCTIONALITY | KDU-1 Basic | KDU-1A Advanced |
|------------------------|----------------|--------------------|
| 5" TOUCH SCREEN | • | • |
| NUMBER OF PROGRAMS | 64 | 64 |
| SEQUENCES | 8 | 8 |
| 20 INPUTS | • | • |
| 21 OUTPUTS | • | • |
| TORQUE GRAPH | • | • |
| BAR CODE READING | • | • |
| TORQUE & ANGLE CONTROL | • | • |
| MULTIPLE PARAMETERS | • | • |
| RS232 (2) | • | • |
| MINI USB | • | • |
| USB | • | • |
| MODBUS TCP | | • |

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K-DUCER

TORQUE & ANGLE ✓

TORQUE CONTROL

TARGET Nm
MAX Nm
MIN Nm

SPEED RPM
DOWNSHIFT ON RPM
AT Nm

ANGLE MONITORING

TARGET °
MAX °
MIN °
STARTING AT: Nm

KOLVER

“Be not afraid of greatness”
W. Shakespeare, Twelfth Night

KOLVER: MORE QUALITY THAN YOU MAY EVER NEED

You've got an assembly job to do, and there are a lot of people counting on you to get it done right. At KOLVER, we know what you are looking for. We deliver the most innovative and cost-effective electric fastening systems in the industry and that's why our PLUTO tools have countless happy users and... pale imitators worldwide!

KOLVER solutions represent the true answer to your assembly needs. ISO 9001 certified since 1998, Kolver's mission has always been to fulfill customers' expectations, delivering the right quality products at the right time, at the right price. About 50% of the products in our catalogue have been launched or upgraded during the last 3 years. Clutch tools, current-control tools, transducerized tools: inline, pistol, angle and fixtured, along with controllers and software in an outstanding combination of ergonomics, performance, error proofing and durability. Kolver range helps you maximize your productivity and stay ahead of your competition.

| SERIES | CLUTCH TOOLS | TORQUE & ANGLE CURRENT CONTROL | TORQUE & ANGLE TRANSDUCERIZED | TORQUE RANGE Nm | TORQUE RANGE in.lbs |
|--------|--------------|--------------------------------|-------------------------------|-----------------|---------------------|
| FAB | • | | | 0.05-1.8 | 0.44-15.9 |
| RAF | • | | | 0.7-5.0 | 6.2-44.25 |
| KBL | • | | | 0.04-4.0 | 0.35-35.4 |
| ACC | • | | | 0.2-4.5 | 1.77-39.8 |
| NATO | | • | | 0.01-0.5 | 0.09-4.4 |
| MITO | | • | | 0.2-1.5 | 1.8-13.3 |
| PLUTO | • | • | | 0.5-75 | 4.4-664 |
| KDS | | | • | 0.5-15 | 4.4-132.8 |



"The moon shines bright, In such a night as this"
William Shakespeare, The Merchant of Venice

KOLVER K-DUCER 4.0 SOLUTION MEANS:

- Fully compatible with Industry 4.0 concept
- Cm (Capability machine) > 4.0*

*At selected torque values. Always > 1.66



"When words are scarce they are seldom spent in vain"
William Shakespeare, Richard II

The K-DUCER project would have been impossible without the dedication and support of all KOLVER employees: we are truly grateful for all they have done.

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