

# KOLVER™



**K-DUCER**  
The transducer solution

# THE K-DUCER® 4.0 REVOLUTION gets micro!

*Smart, connected, accurate and cost effective*

The K-Ducer range, Kolver class A intelligent transducerized assembly system, has been extended with the introduction of KDS-NT\*, the new screwdriver from 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 from 1 to 70 Ncm.

## KDS-NT 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-NT\* screwdrivers feature full metal design, status LED, temperature protection combined with full traceability and error proofing capabilities. Available in straight and fixture configuration, start button or lever option.

- Superior torque accuracy
- Industry leading pricing (compared to competitor's micro torque tools)
- Always measure the true torque applied
- Very reliable for process statistics

MODEL	CODE NUMBER	TORQUE in-lbs	MAX RPM	WEIGHT lb	LENGTH in	OUTPUT	HOUSING
KDS-NT70	165050	0.44 - 6.2	700	0.7	8.8	Hex 1/4"	INLINE
KDS-NT70/HM	165050/HM				8.8	Half moon	INLINE
KDS-NT70CA	165150				8.7	Hex 1/4"	FIXTURE MOUNT
KDS-NT70CA/HM	165150/HM				8.7	Half moon	FIXTURE MOUNT

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

\*Patent pending

**KOLVER**  
MADE IN ITALY  
KDS-NT05  
0,05 - 0,5 Nm  
10 - 700 rpm  
30V ---  
1s / 3s  
S.n. 2116020



## KDU-NT POWER UNIT AND CONTROLLER

The KDU-NT 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, on board power supply, the KDU-NT units provide unmatched performance and value. Set-up and operation are really an easy task. Units may be programmed either through the touch screen or via a PC software. Updates available via USB memory stick. All software included and upgrades need no license for the entire tool life. KDU-NT controllers will operate all KDS-NT\* Series of tools.

Functionality	Standard with KDU-NT
5" Touch screen	•
Number of programs	64
Sequences	8
Multi-step tightening	•
Configurable digital I/Os	•
Inputs	4
Outputs	4
Real-time torque graph	•
1D and 2D barcode reading	•
Torque & angle control	•
Run torque	•
PV torque	•
Multiple parameters	•
Data results and graphs stored in a USB stick	24 000 000
Unlimited data results and graphs stored via K-Expand	•
Ethernet port	•
RS232	•
Mini USB	•
USB	•
MODBUS TCP	•
Software updates*	•
*Easy to update with new software/firmware, following customer needs and technical developments. Updates available via USB memory stick	

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**K-DUCER**

PR

1

SCREW:

1/1

10.10 cNm  
TARGET: 10.00 cNm

730°

MAX: 30000 MIN: 0

Program end!

RESET

**KOLVER®**

# 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			•	0.01-70	0.09-610



**K-DUCER**

PRO 1 SCREW 1/5

program pcb assembly

**1.50 Nm**

**517**

TARGET: 1.50 Nm

NO TARGET SET

Screw OK

**KOLVER**

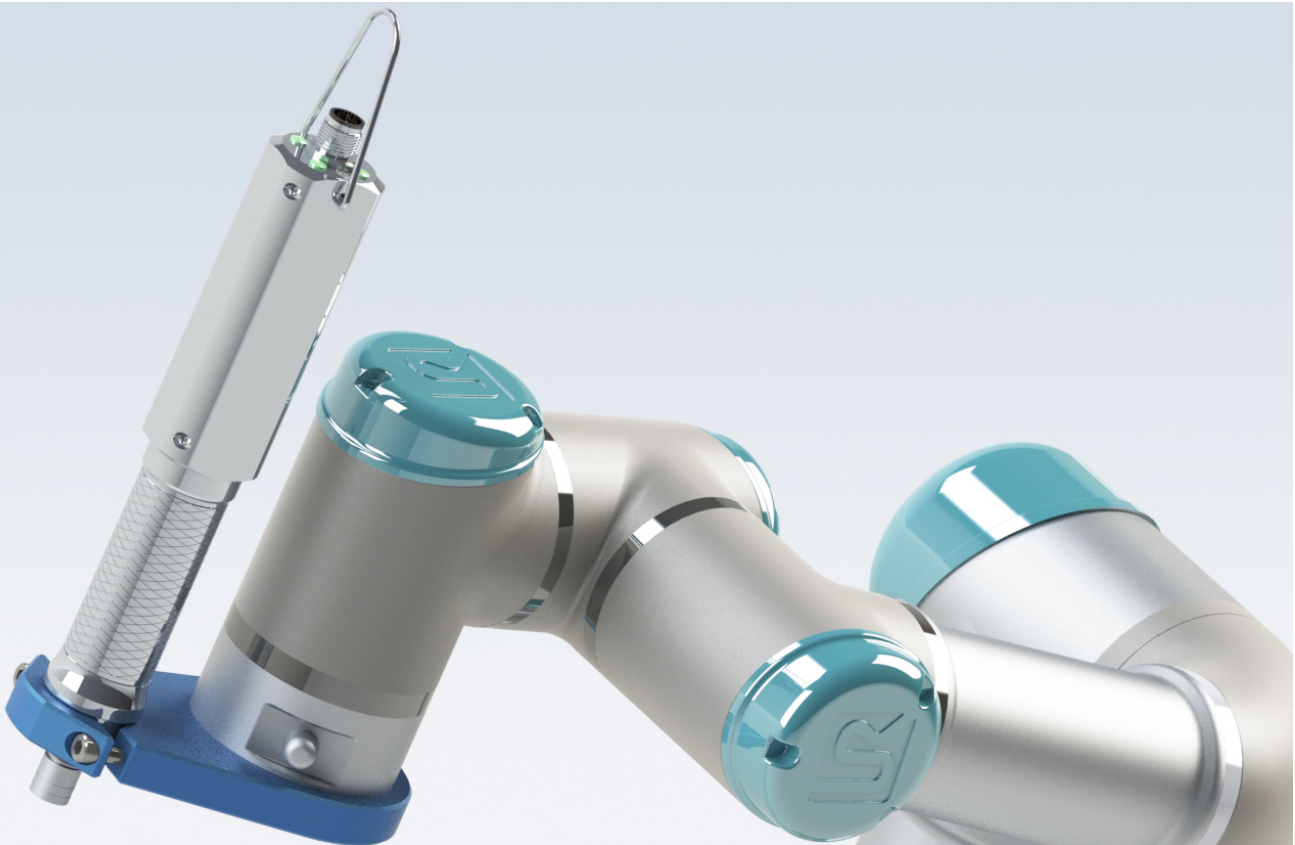
**KOLVER**  
MADE IN ITALY  
KDS-PL 10CA  
1.5 - 10 Nm  
50 - 600 rpm  
40V ---  
19/28  
1802396

## KOLVER K-DUCER 4.0 SOLUTION FOR AUTOMATION

K-DUCER systems deliver perfect fastenings time after time. Combined with error proofing solutions such as bit tray, positioning arms, torque and angle limits and automatic work flow sequences, it gives you a complete control of your assembly process.

KDS-NT\* is an innovative and revolutionary fixtured solution in the K-DUCER family. The compact design brings a powerful solution full of features to a lightweight tool – making it optimal for automation. It is easy to install on any robot or torque arm and the communication ports allow communication with, and integration in, any production process.

\*Patent pending



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