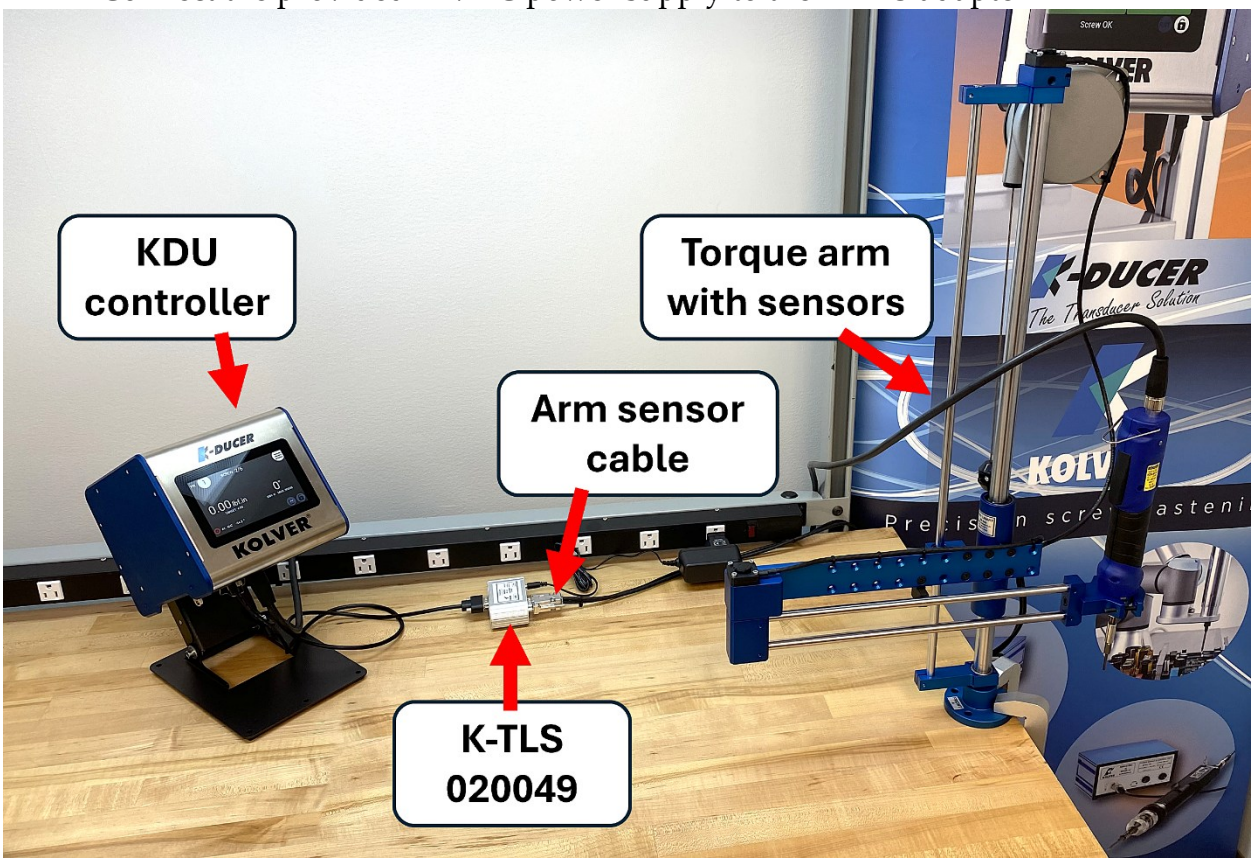
K-TLS and DOCK-09
Smart Positioning Arms for K-DUCER
Connection Instructions

Mechanical installation and usage

Refer to the K-DUCER manual and this demonstration video. The K-DUCER manual also covers screwdriver-to-arm mounting instructions.

Connections – single arm

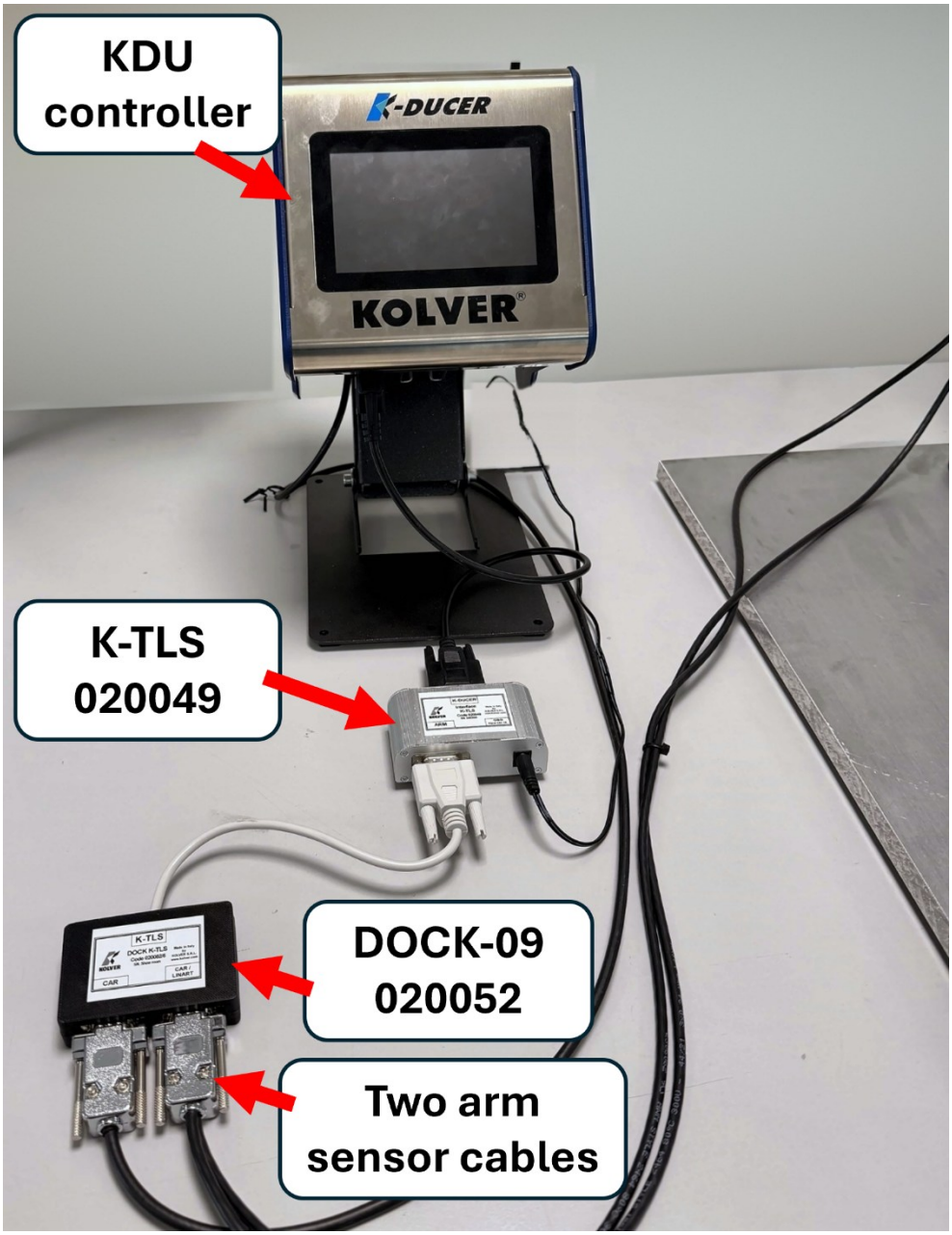
- Connect the arm sensor cable to the ARM port on the K-TLS
- Connect the K-TLS cable to either serial port on the KDU controller
    - The supplied cable is a M-F straight DB9 cable
    - A M-M null modem adapter is also provided for the other port
- Connect the provided 24VDC power supply to the K-TLS adapter



Connections – dual arm

You can utilize two K-TLS smart positioning arms with two KDS screwdrivers that are connected to a single KDU-1A controller via the DOCK-05 accessory.

In this case, the DOCK-09 junction box (code 020052) is necessary to merge and route the two arms signals to a single K-TLS connection box. The DOCK-09 is provided free of charge with the order of two K-TLS smart positioning arms when explicitly ordered for use with a single KDU-1A controller. It may also be purchased separately.



Codes and variants

Single K-TLS arms

K-TLS connection box code	Arm family
020049	SAR
020049	CAR
020049	LINAR1/2
020049	LINART

Dual K-TLS arms

K-TLS connection box code	DOCK-09 junction box code	Arm 1 family	Arm 2 family
020049/SAR/2	020052/3	SAR	SAR
020049/SAR/2	250264/K-TLS/ZZ	Dual SAR with shared Y axis	
020049	020052/1	SAR	CAR or LINART
020049/SAR/LINAR	020052/4	SAR	LINAR1/2
020049	020052/5	CAR	CAR or LINART
020049	020052/6	CAR	LINAR1/2
020049	020052/7	LINAR1/2	LINAR1/2
020049	020052/8	LINAR1/2	LINART
020049	020052/2	LINART	LINART