

STYLICLEANER

for single tip probes

“ a stylus tip contaminated with tiny particles can lead to measurement errors 10 times greater than expected ”

Quote from Dr Simon Lawes, Manufacturing Metrology Team, University of Nottingham, following research into the effects of stylus contamination.

Model shown: STYLICLEANER 8 1-way

Automated cleaning of your CMM stylus in just 30 seconds



DIRTY

ACTIVATE

WASH

DRY

CLEAN

Maximise accuracy before measuring and calibrating

During measurement and particularly when scanning, contaminants such as dust, oil, coolant and oxides build-up on the stylus of your CMM. If maximum accuracy is to be achieved, these tiny particles must be removed before measuring the part and calibrating the probe. Automated styli cleaning is significantly more efficient than manual cleaning, and avoids the need to recalibrate each probe position after handling the probe during cleaning.

Contact us now to book your demonstration

www.LKmetrology.com

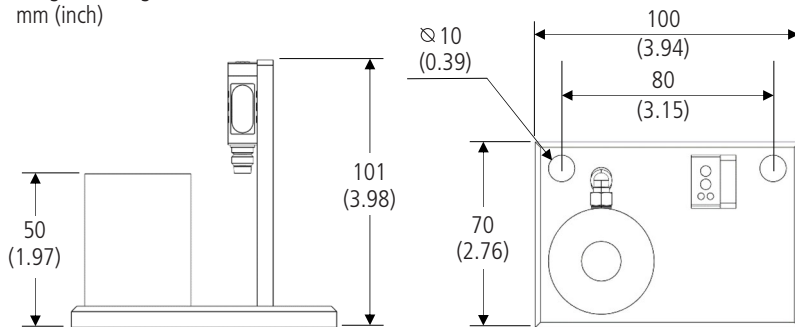
AUTOMATED CLEANING

The StyliCleaner uses a combination of compressed air and detergent to remove contaminants from the stylus.

The StyliCleaner automated cleaning cycle is activated when a dirty stylus passes in front of the StyliCleaner motion sensor. Once inside the cleaning chamber the stylus tip is washed for 10 seconds using detergent and dried for 10 seconds using compressed air. The cleaning cycle removes loose dirt, leaving the stylus¹ clean², dry and ready for the next inspection.

StyliCleaner | Dimensions

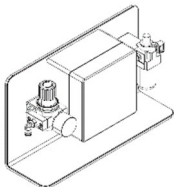
Weight 0.35 kg [0.77 lbs]
mm (inch)



Avoid time-consuming manual cleaning and subsequent recalibration

	Minimum stylus diameter	Maximum stylus diameter	Minimum stylus length
STYLI CLEANER 4 1-way	none	4 mm (0.16 inch)	10 mm (0.40 inch)
STYLI CLEANER 8 1-way	none	8 mm (0.31 inch)	20 mm (0.78 inch)
STYLI CLEANER 12 1-way	6 mm (0.24 inch)	12 mm (0.47 inch)	20 mm (0.78 inch)

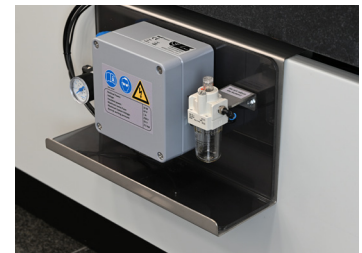
Control Unit | Dimensions



Width 340 mm (13.4 inch)
Depth 110 mm (4.3 inch)
Height 200 mm (7.9 inch)
Weight 3.3 kg (7.3 lbs)



CMM table mounted
(free-standing)



CMM stand mounted
(requires optional Control Unit Holder)

REQUIREMENTS

Cleaning fluid ³	Isopropanol 99% (not included)
Power supply	100-240V~1.0A MAX 50 to 60Hz single phase regulated to within -5% to +10-%
Compressed air supply	Pressure: 6 to 9 bar (87 to 130 psi) Consumption: 2.41 litre/ 20sec cleaning cycle Maximum length of air pipe from Control Unit to Cleaning Unit: 2m (6.5 feet) Quality: ISO 8573-1 class 4 or better
Conformity	Full UKCA and CE certification in accordance with the following directives: Machinery directive 2006/42/EC EMC directive 2014/30/EC RoHS (2011/65/EU)

PRODUCT CODES

0505577	STYLI CLEANER 4 1-way	0502498	STYLI CLEANER 8 1-way	0502497	STYLI CLEANER 12 1-way
0502495	CONTROL UNIT HOLDER	0505581	MRS MOUNTING BRACKET 1-way		

¹ For single tip probe assemblies with a straight stylus only. See table above for minimum and maximum stylus parameters.

² Removes loose dirt such as remnants of dust, oil, coolant and oxides. Hard deposits caused by adhesive wear and other stubborn deposits may require additional manual cleaning.

³ Other cleaning fluids may be used. Do not use cleaning fluids containing Heptane as these may damage the StyliCleaner. Follow the Safety Data Sheet of the cleaning fluid supplier.