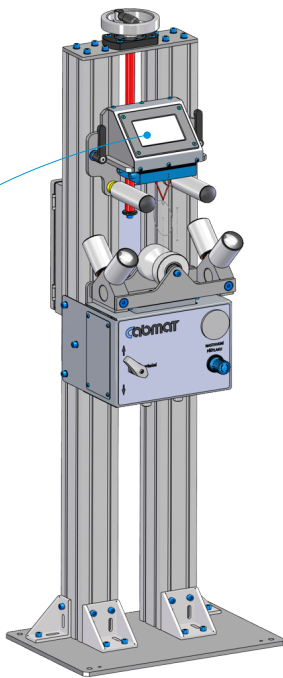


NON-CONTACT LENGTH MEASURING UNIT

The device consists of a stand made of aluminium profiles, which is firmly anchored to the floor of the hall in the axis of the line to ensure stable measurement. The product is guided by a set of guide pulleys that are mounted in a V-shape for precise centring in the beam axis.

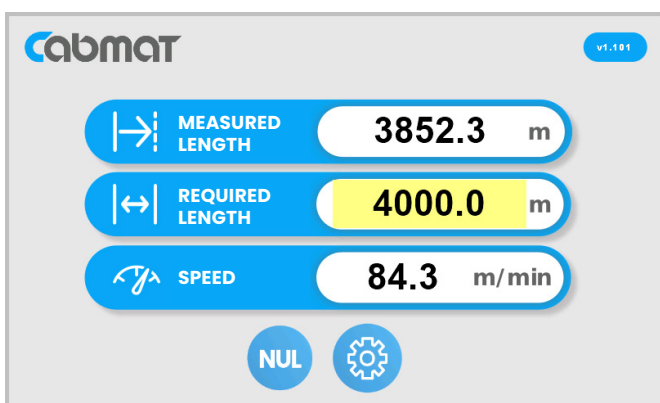
The pulleys are pneumatically lifted against fixed upper rollers, which are fitted at the non-contact measuring device to maintain the measuring distance accurately. The device has voltage-free contacts and Modbus TCP protocol for connection to the higher-level system.



DEVICE PARAMETERS

Product diameter	3 – 80 mm
Sensor	Sick - SPEETEC
Speed	0 m/s – 10 m/s [non-certified version]
Speed	0 m/min – 300 m/min [certified version]
Motion detection	bidirectional
Measuring distance	50 mm [± 5 mm]
Measuring accuracy	0,1 %
Repeatability	0,05 %
Measurement field size	2 mm x 3 mm [50 mm]
Laser category	1 [IEC 60825-1:2014]
Light type	laser cat.1
Weight	80 kg
Power supply	230 VAC
EU Type Examination Certificate	TCM 111/23 - 5947

CONTROL PANEL SCREEN



The control panel allows to set:

The required length for stopping the line
The value to slow down the line

The current measured value can be zeroed either by a signal from the line or via communication or on the control panel.