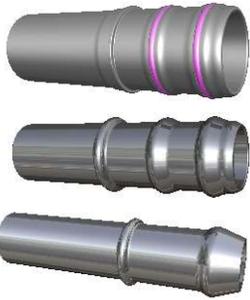


# Endform Vision Inspection System

For use with manual loading or automatic verification with a robot



## Simple and fast verification

Any type of tube end can be measured within a second. The system is easy to program and easy to learn. Telecentric optics gives you full scale over the whole field of view. The system is flexible and not sensitive to light around the machine, although direct sunlight should be avoided.

Full statistics output according to your requirements.

## Different type of tools for measuring

Find where you have the maximum and minimum diameter, distance between bulbs or other specified parts.

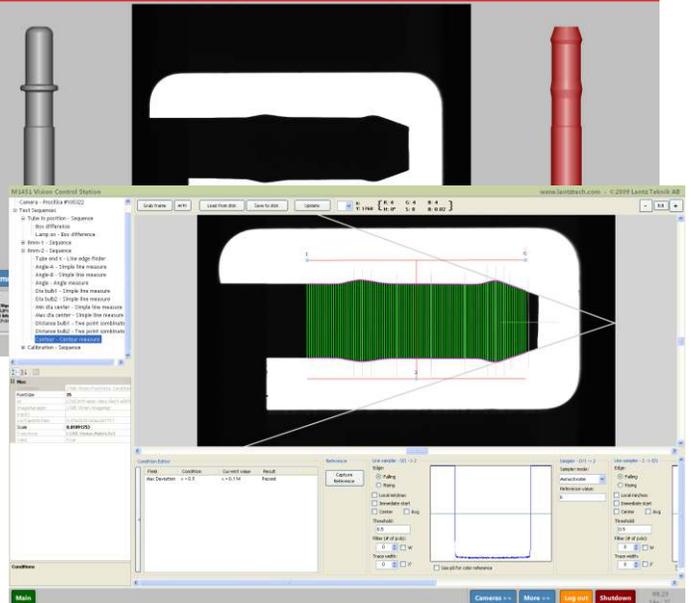
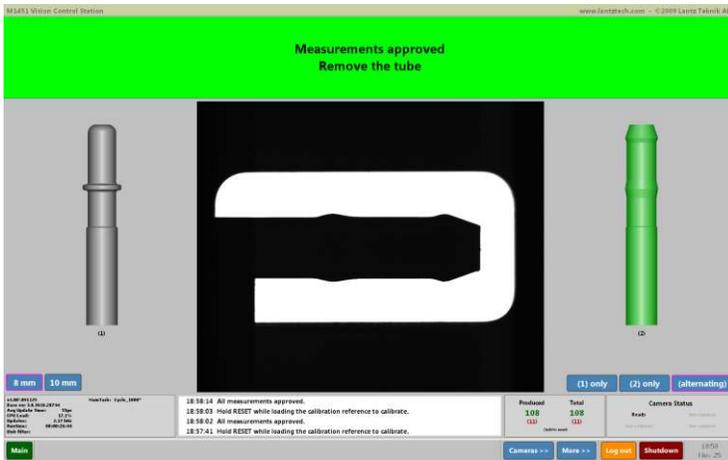
Measure angles and radii.

Scan the whole profile and set the maximum allowed deviation.

We have the ability to make new tools for specific tests if required.

## Easy to use

Load the tube in the fixture. The machine will lock the tube, measure it and release it only if the measurements are within the set specification. Remove the tube and load the next. Failed tubes must go into a scrap box with a sensor if this option is enabled by the machine administrator.



**FTM standard machine - hardware & software**  
All FTM machines come with the same control system and hardware. These are engineered with simplicity in mind for ease of use for the user. Important information are shown both as text and in graphics. User accounts can be configured with different access levels. The system is programmed with diagnostics and statistics functions.



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# Office version without I/O system

This has the same optics as the industrial machine but it is designed for office use. The measuring results are displayed on the screen with statistics. Measured values, CP, CPK and average measure for all dimensions with a tolerance setting are available and displayed to the operator. This system is delivered with a standard PC and 24" screen.

Please contact us for more info.

**LTVO-25-T-47x36**

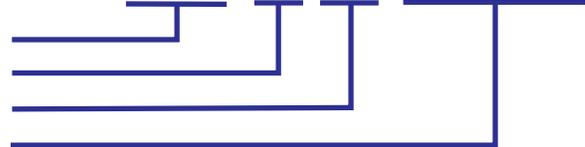


Diámetro	CP	CPK	Avg
11.750 ± 0.120	0.195	1.383	11.807
11.750 ± 0.120	0.284	1.743	11.843
11.750 ± 0.120	0.307	1.483	11.790
11.750 ± 0.120	0.292	1.590	11.822

## Model information

# LTV-T-25-47x36

**Vision inspection machine**  
 Optics: T=Telecentric, S=Standard  
 Measurement accuracy:  $\mu\text{m}$   
 Measured area: mm x mm



This machine can be equipped with different types of vision cameras and optics. Mechanical rotation of the tube with 3 pictures is available as an option.

### Technical data

Model LTV-T-125-47x36  
 Measurement area: 47x36 mm  
 Measurement accuracy:  $\pm 0.0125 \text{ mm}$   
 Electric connection: 1x230V, 10A, 50 Hz  
 Pneumatic connection: R 1/4"



Telecentric lens with camera

Please contact us for more information.