

## WOLF OPTIC INSPECTION MACHINE

<b>Weight</b>	1150 kg
<b>Machine Dimensions</b>	175 x 186 x 220 cm
<b>Capacity</b>	500-1000 pcs/min
<b>Product Options</b>	Nuts, Fittings, Bushings, Ring geometry parts, etc
<b>Types of Control</b>	Thread Form, Dimensional and Scrap, etc
<b>Operation Range</b>	Ø40 mm (shaft diameter) & 50 mm (shaft length)
<b>Pre Loading</b>	Elevator, Linear or Bowl Vibrator
<b>PLC Group</b>	Beckhoff
<b>Dimension Control</b>	7 High-Resolution Optical Cameras
<b>Precision</b>	20 µ
<b>Power</b>	4 kW
<b>Curent (max)</b>	10 A
<b>Air Pressure</b>	6 bar
<b>Voltage Range</b>	380 V- 3 Faz - 50 Hz

### The dimensions that can be controlled for quality

Inner/outer diameter, deformations on inner/outer edges, burrs, cracks, slits, size measurements, thread angle, thread pitch, wrench flatness control, weld nail controls, notch controls, form controls (torx, hexagonal, cornered, etc).



# WOLF

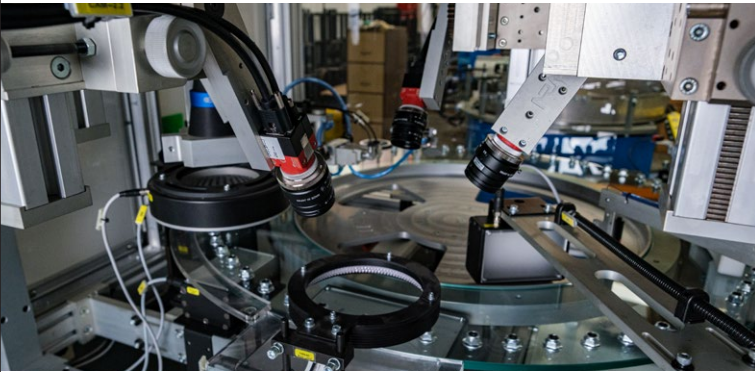
## OPTICAL INSPECTION MACHINE

## WIDE PRODUCT RANGE

Flexible user interface design with custom function libraries makes circular or angular (cornered/hexagonal) formed products can be adjusted easily. In addition to standard measurements; flanges, weld nails, non-metallic inserts, deformations on inner/outer edges can be inspected.

## HIGH PRECISION

High-resolution cameras and custom light design let 20 $\mu$  measurement precision depending on the measurement tools used.

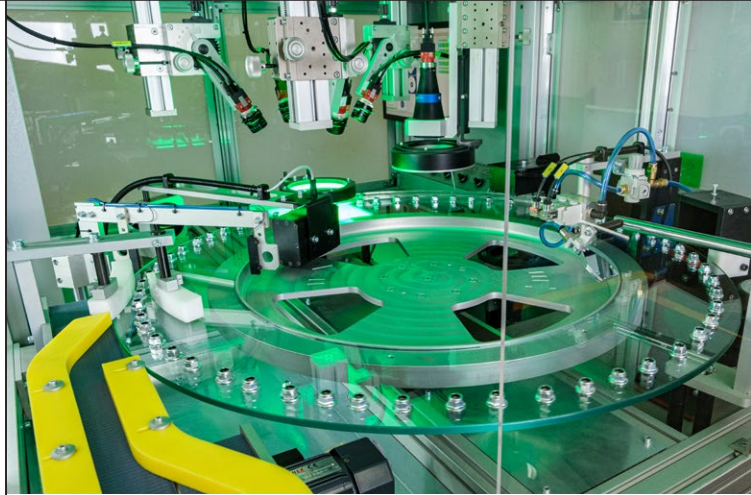


## PRODUCT TRACKING

Each product's position is tracked by Beckhoff PLC-based automation infrastructure to prevent NOK products from getting mixed up in the OK bin.

## HIGH CAPACITY

Depending on product specifications, capacity can reach 500-1000 pcs/min.



## RAPID MODEL CHANGE

The easy-to-use feedback interface and the manual mode option allows for fast model change.

## CUSTOMIZED FUNCTION LIBRARIES

Flexible software design supports job customization. This feature allows function calls for different measurements or inspections.

Most of the functions can be used for various purposes. Unlimited reference fixture points can be set to define ROIs properly.

**Some of the defect types that can be inspected are listed below:**






Inner/outer diameter, deformations on inner/outer edges, burrs, cracks, checks, slits, size measurements, thread angle, thread pitch, wrench flat control, weld nail controls, notch controls, form controls (torx, hexagonal, cornered, etc).

## FLEXIBLE PLATFORM

Stations and their features can be changed depending on customer demand and product.

## Contact Us



-  Atatürk Organize Sanayi Bölgesi  
10010 Sokak No: 21/1 Çiğli 35620 İzmir, Türkiye
-  +90 232 325 00 08
-  [info@nrmmuhendislik.com.tr](mailto:info@nrmmuhendislik.com.tr)
-  [www.nrmmuhendislik.com.tr](http://www.nrmmuhendislik.com.tr)
-  [nrm-muhendislik](https://www.linkedin.com/company/nrm-muhendislik)