

# MotoLAC

Laser Applied Calibration with verification and automatic correction of the tool position and angle.



The MotoLAC tool for calibration and automatic correction will ensure a long and trouble-free operation with consistent quality. It will also reduce downtime during a change of tools or after a collision.

The MotoLAC sensor design makes it possible to measure several of the tool's positions and thus adjust both its position and angle. Adjustment can be made in X, Y and Z but also in Rx and Ry.

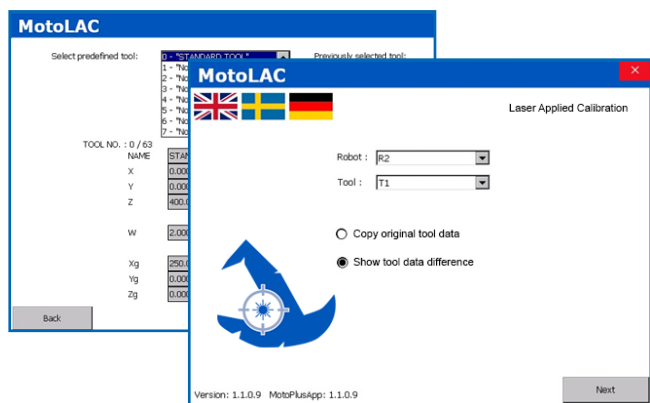
Thanks to its robust housing, the laser sensor can tolerate harsh environments and can be used in almost all robot applications - from laser cutting systems to material handling.

## Key benefits

- Quick and easy tool calibration.
- Trouble-free operation.
- Minimizes downtime.
- Ideal when changing fixtures or tools.
- Reduces the need for touch up robot jobs after minor collisions.
- Three levels of control and adjustment from high speed Quick Check to complete control and adjustment of TCP and angle.
- Language: English, German or Swedish.

## Scope of delivery

- Fork sensor.
- Metal bracket.
- MotoLAC Wizard and cable kit.



## MotoLAC at a glance

With the simple and straightforward interface for the teach pendant, you can easily create reference data for up to 64 tools. Positions and I/O can be verified before implementation with a "Dry run". With the command "Show tool data difference", you will see the difference between the current tool data and its original values.

Three robot jobs are generated: Total TCP (including angle and position), positions XYZ only, and a Quick Check.

### Technical data

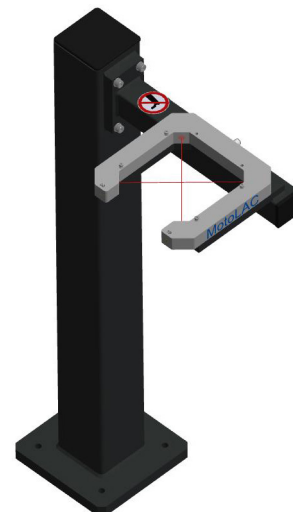
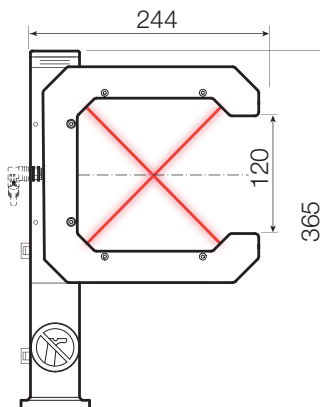
<b>Laser</b>	Red light, 650 nm, class 1
<b>Housing material</b>	Aluminium, anodised
<b>Max/min angle</b>	3°
<b>Tool diameter</b>	5 to 50 mm
<b>Accuracy</b>	0.2 mm
<b>Adjustment size</b>	tool radius

## Note

- Not available with ATEX classification.
- The object used for calibration must be circular and with a recommended size of 5 to 50 mm in diameter.

## Standard assembly

MotoLAC unit is mounted to the right. However, it is easy to dismantle the sensor unit from the bracket, and mount it to the left instead.

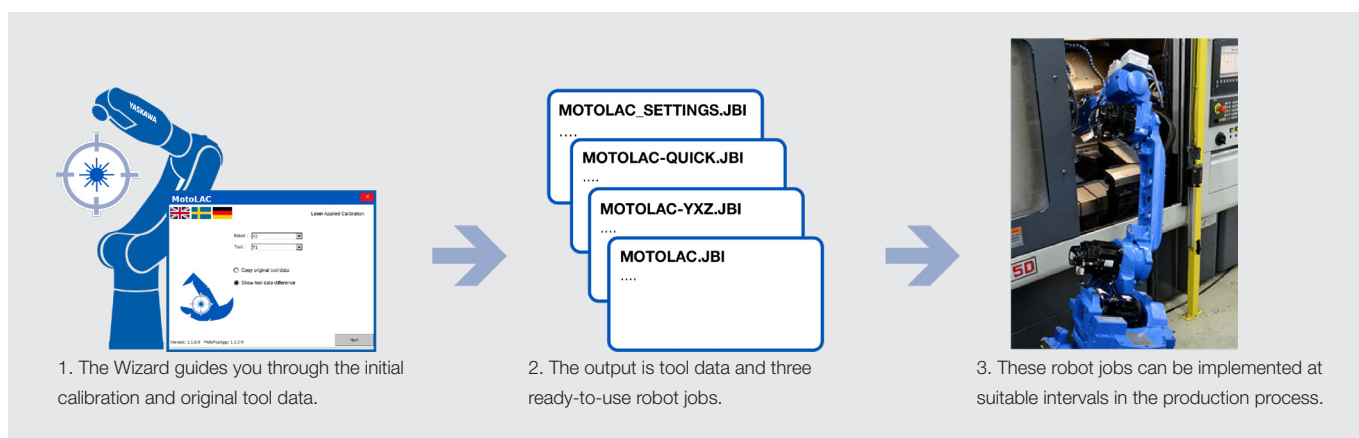


## Options

- Floor stand.

## Calibration tool size

Tool diameter [mm]	Max detection [mm]
50	25
40	20
20	10
30	15
10	5
5	2.5



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