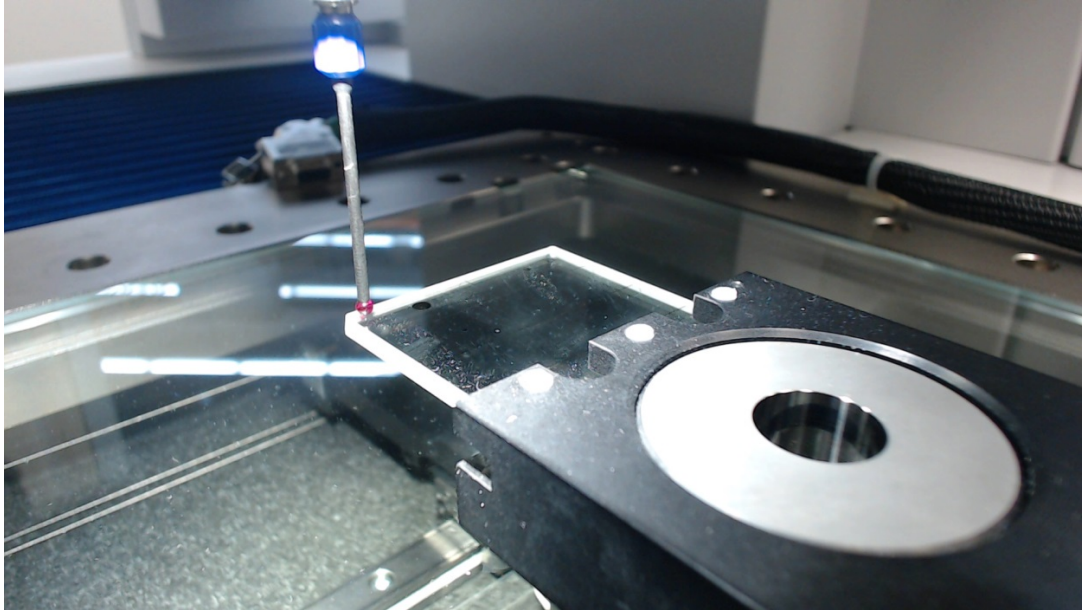


# Instruction Guide for Creating and Qualifying the Optical Sensor

THIS PROCEDURE IS ONLY APPLICABLE TO CALYPSO VERSIONS:

- 5.4.2400 or later
- 5.6.1200 or later
- 5.8.0000 or later

Required Equipment :



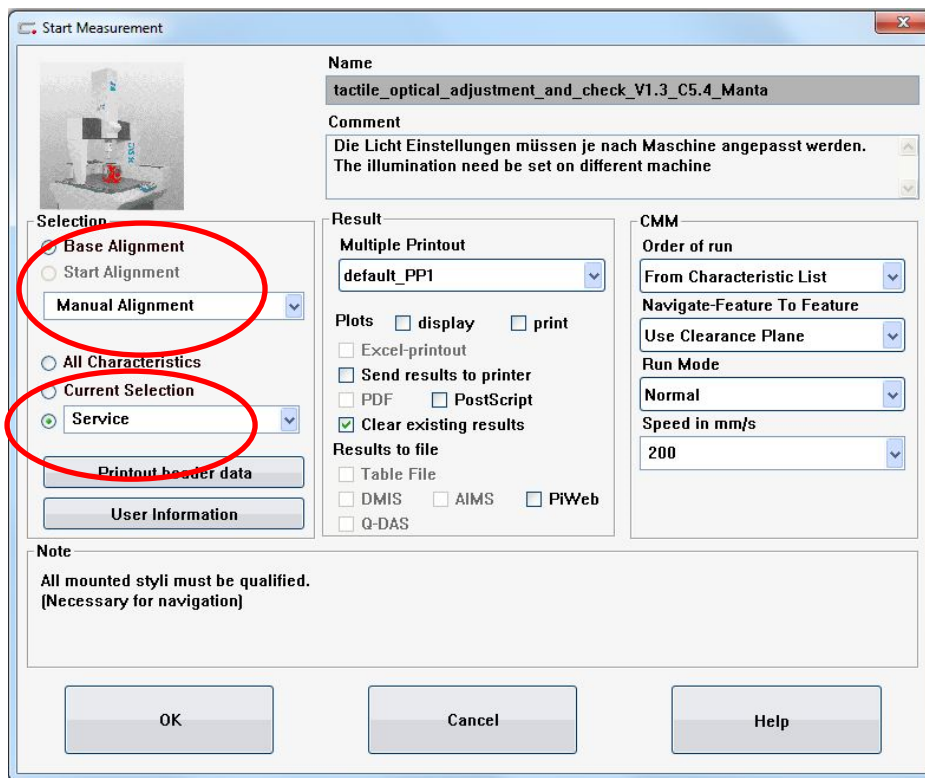
Stylus 3x50, glass mask with holder and ring gauge.

# Instruction Guide for Creating and Qualifying the Optical Sensor

1. Create new stylus system „Camera“ :

After creating the sensor "optic", default geometry data of the individual magnifications is automatically created. The camera is enabled for CNC processes.  
Manual measurements are not yet possible.

2. Tactile-optical adjustment
3. Start the plan "tactile\_optical\_adjustment\_and\_check\_V1.x.xx" .

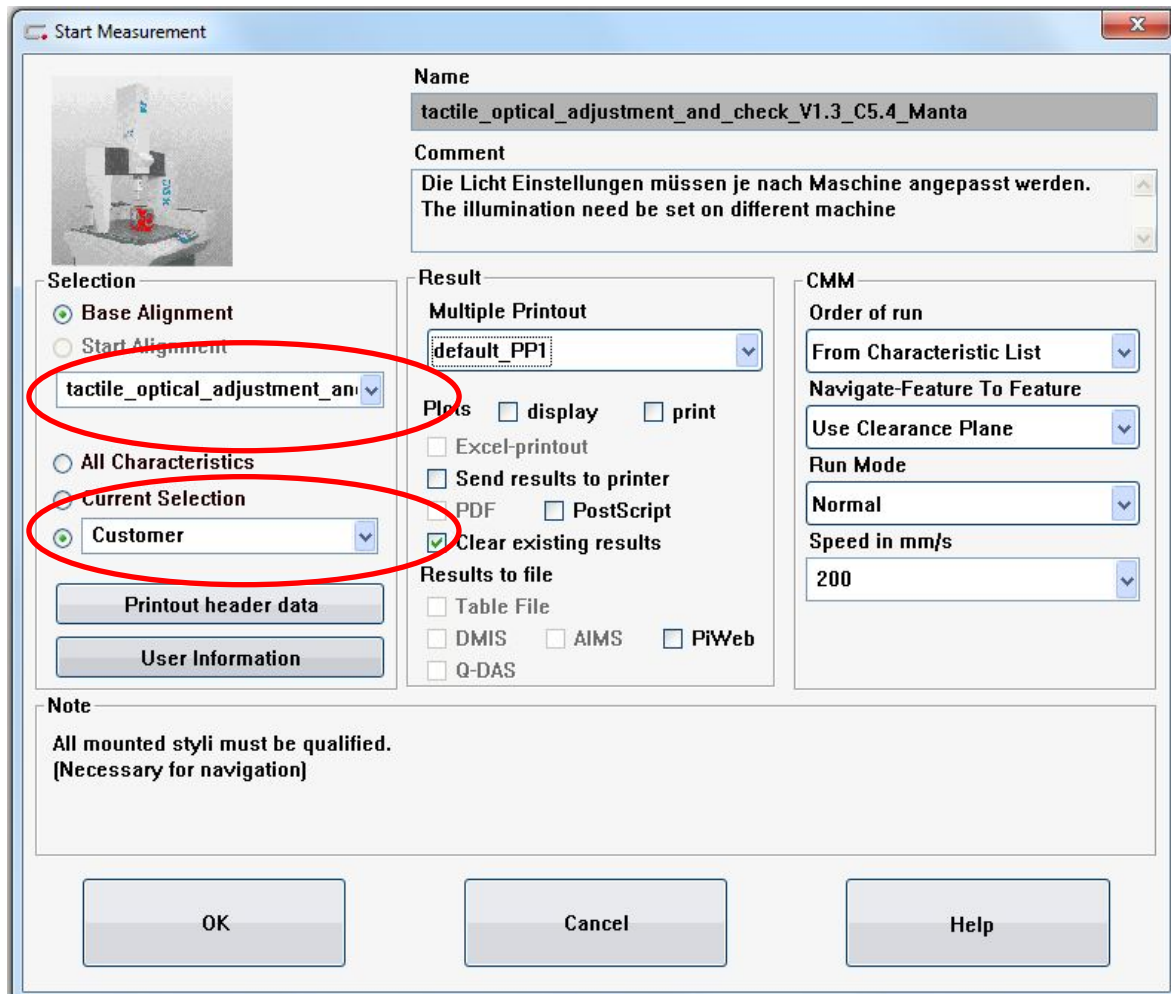


Select "Manual Alignment" and "Service" in the CNC start window. The "Service" setting is necessary to secure the run and adjust the default values to the system.

Runtime 20 min.

# Instruction Guide for Creating and Qualifying the Optical Sensor

Start the plan "tactile\_optical\_adjustment\_and\_check\_V1.x.xx" again .



Select "tactile\_optical\_adjustment and check" and "Customer" In the CNC start window.

The accurate offset data is updated and entered into the geometry data.

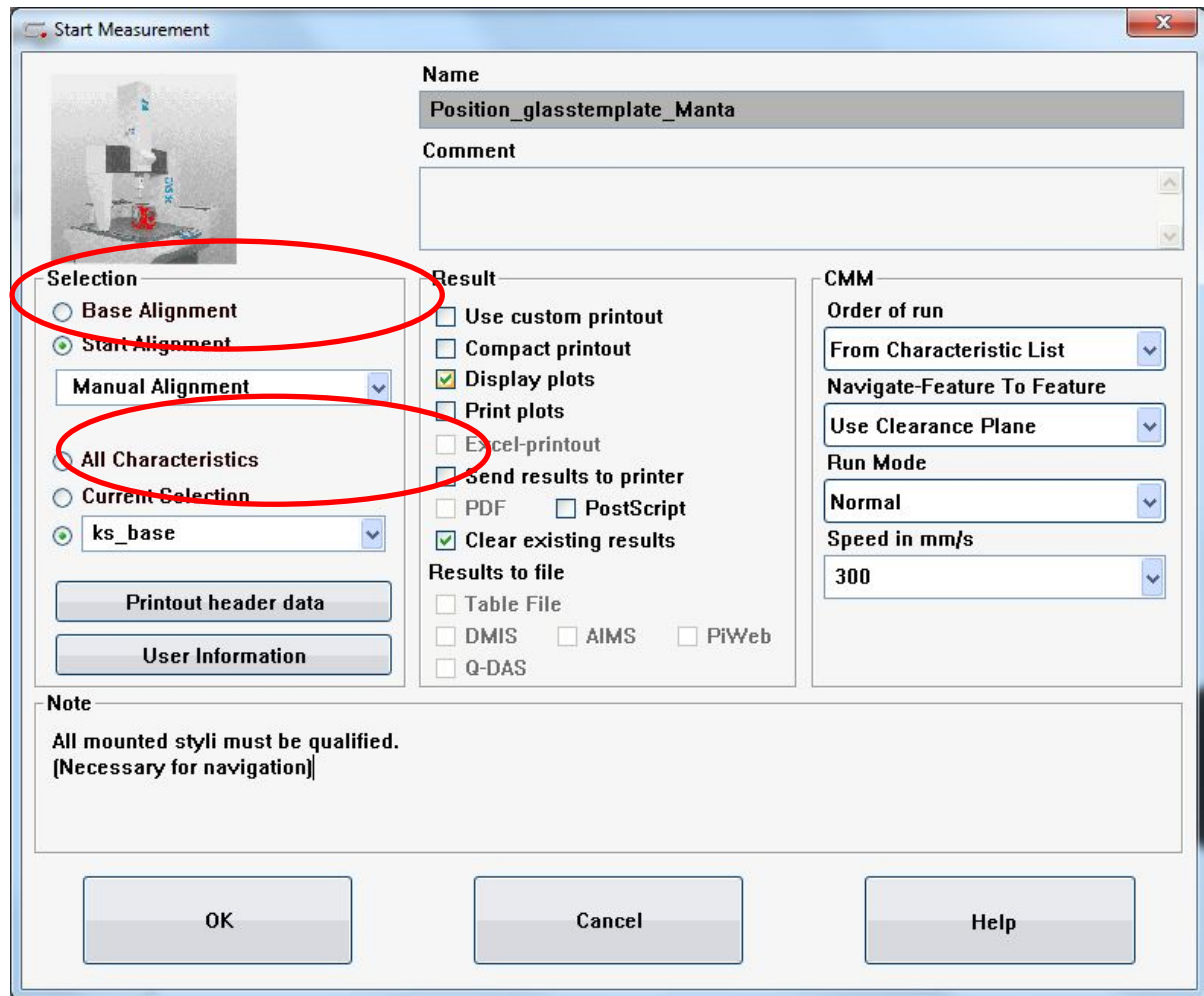
➔ Manual measurement with the camera is now possible.

Runtime 15 min

# Instruction Guide for Creating and Qualifying the Optical Sensor

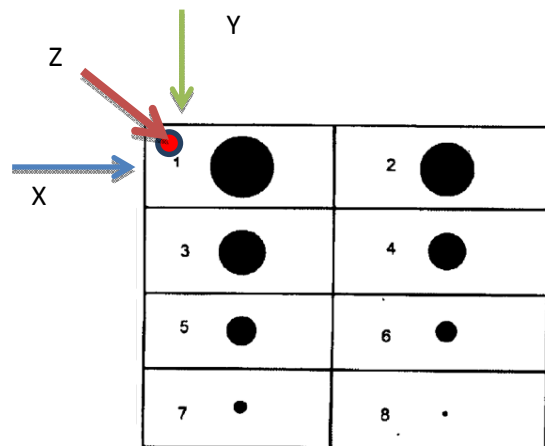
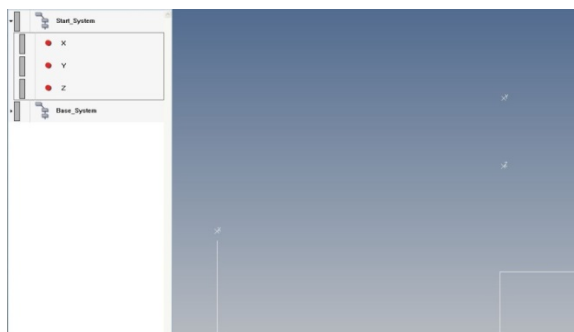
Qualify Camera :

1. -Start Plan "position\_glasstemplate\_xxx"



In the CNC start window start system select "Manual alignment".

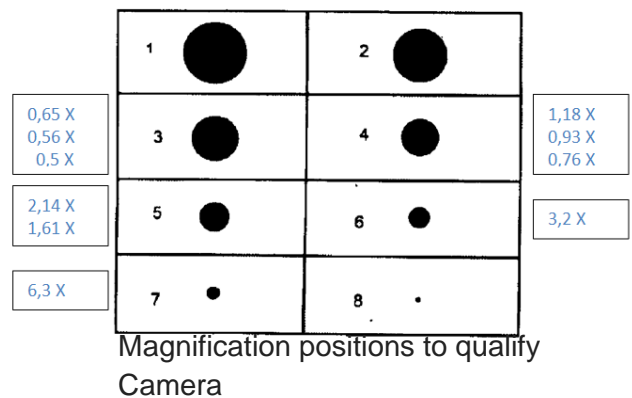
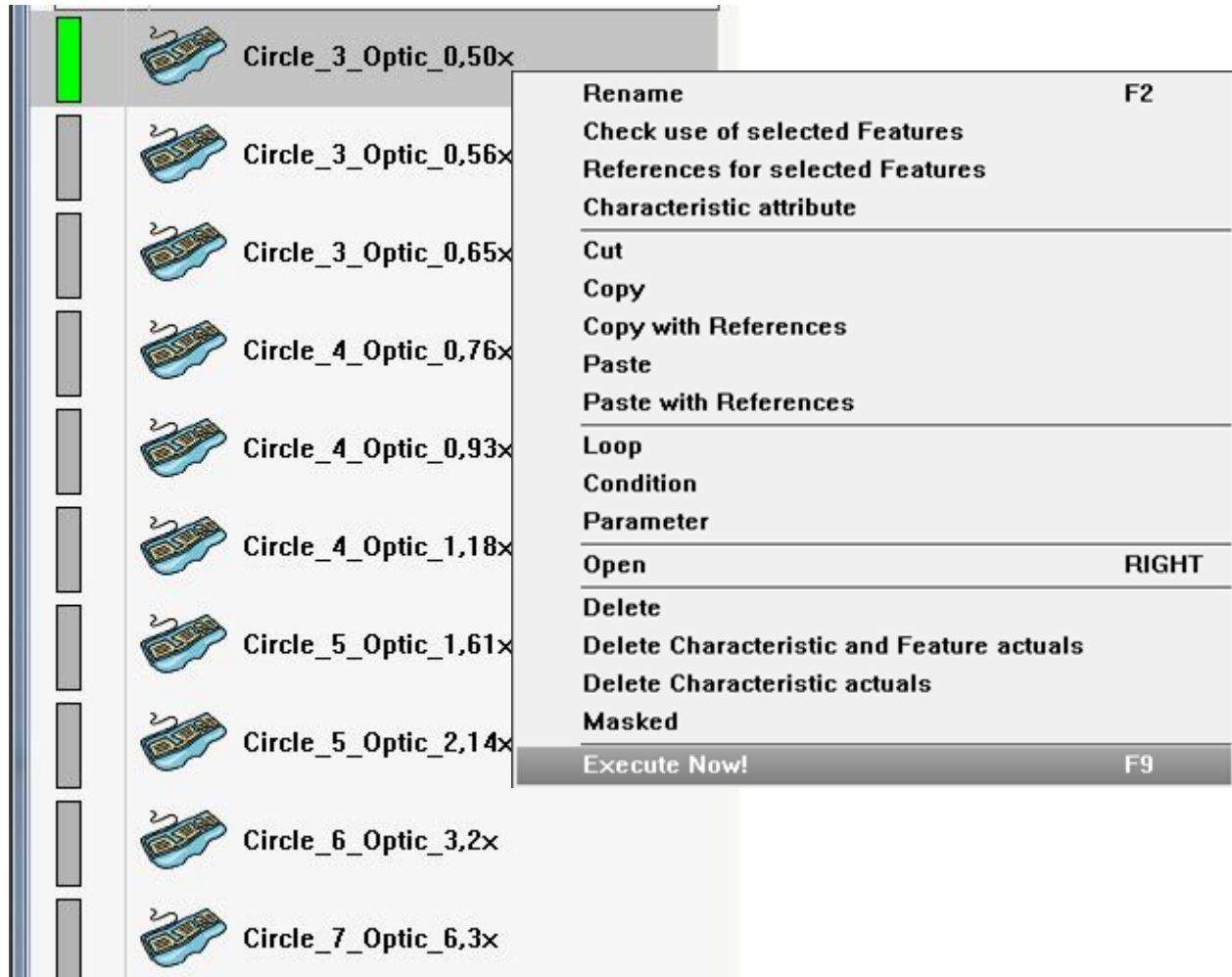
- ➔ Point X with Stylus 3x50
- ➔ Point Y with Stylus 3x50
- ➔ Point Z with Stylus 3x50



# Instruction Guide for Creating and Qualifying the Optical Sensor

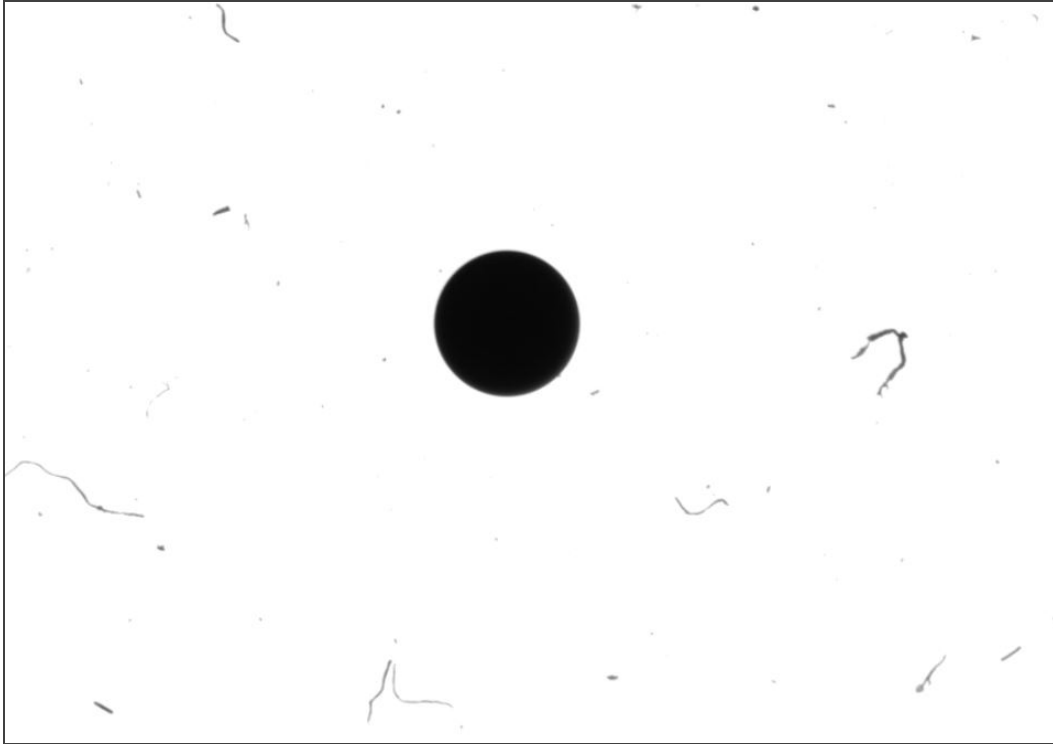
2. After CNC run select the plan Circle 3, as shown in the picture

With button F9 or the right mouse button and Execute now , set the correct magnification. and move to the appropriate circle.



# Instruction Guide for Creating and Qualifying the Optical Sensor

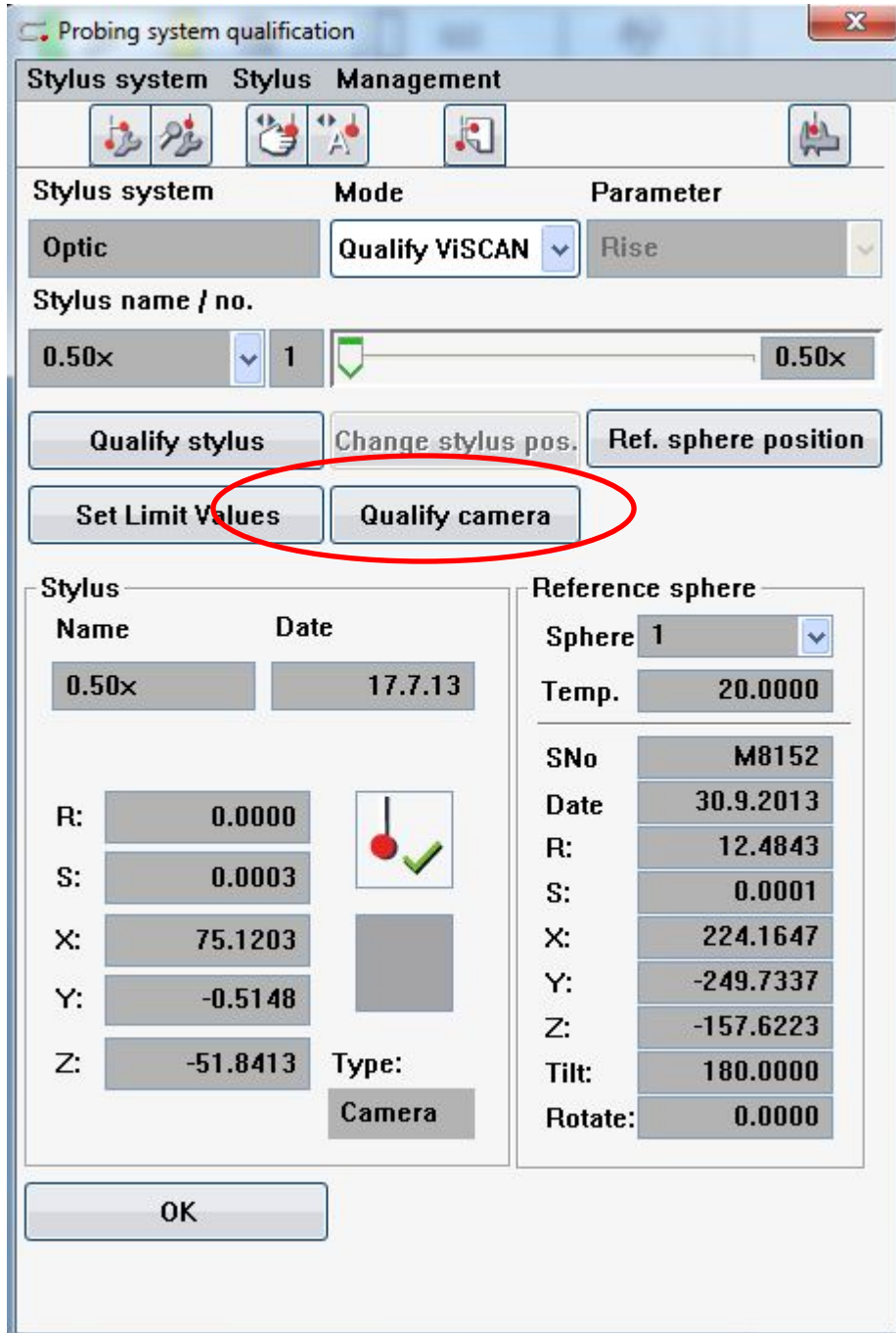
Light settings :



For all Optic's you must set the light manually to a black and white situation, as displayed in the image above.

# Instruction Guide for Creating and Qualifying the Optical Sensor

## 3. Start "Qualify Camera"



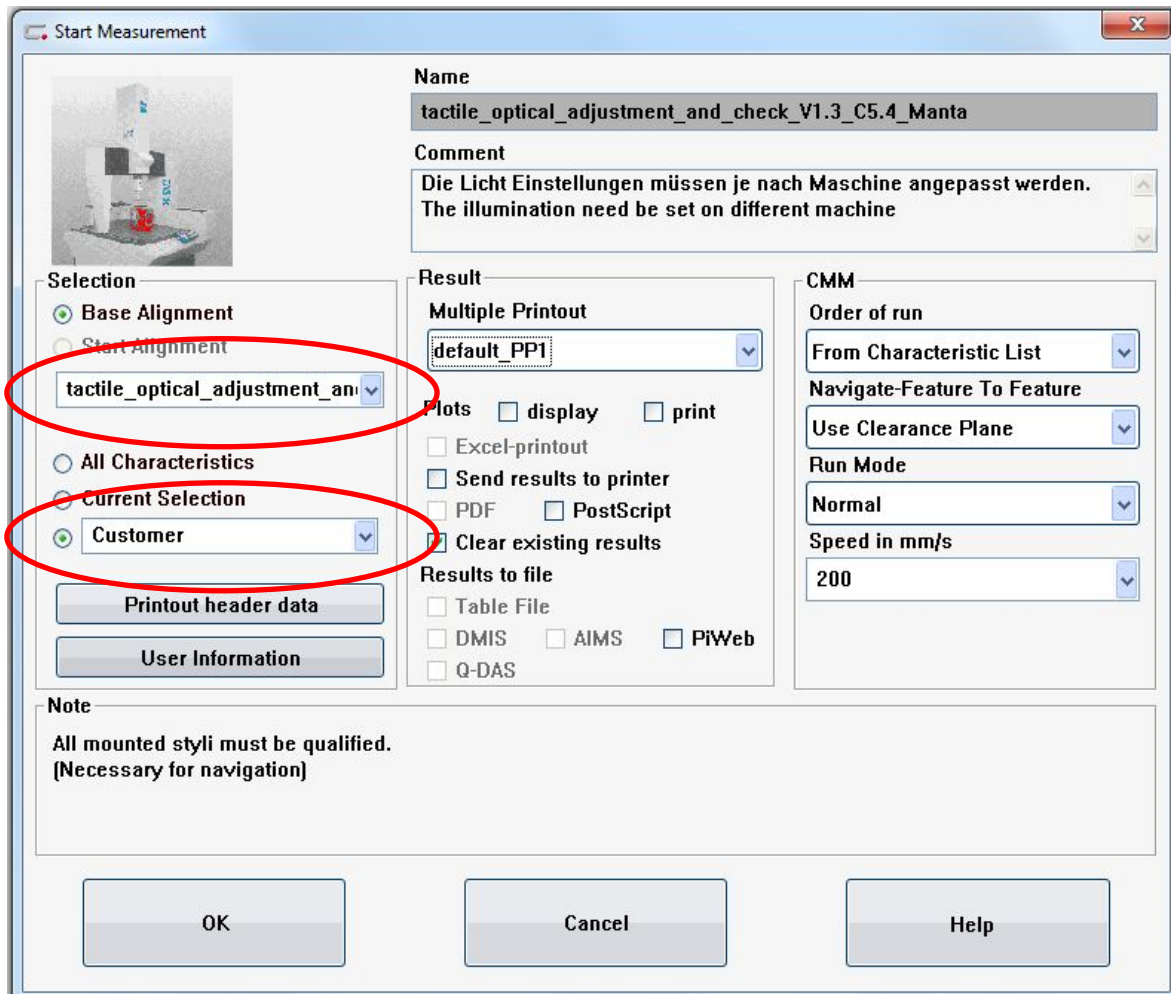
Position the circle from the live image in the illustrated blue circle. (4x)

Repeat the procedure from step 2 for all magnifications.



# Instruction Guide for Creating and Qualifying the Optical Sensor

## 4. Start tactile optical adjustment



Runtime 15 min