



EyeTech

Vision Application Specification





GENERAL INFORMATION

~~Customer~~

Name

Company Name

Telephone Number

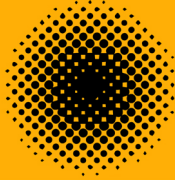
Email

Project Leader

Description of your Requirements



Note: the feasibility will be based upon the requirements provided in this document. Please make sure they are as exact and complete as possible.



DESCRIPTION OF APPLICATION

1. Type of application

2D Vision

3D Vision

Best Solution

2. Your Application is about

(i) You can also select more than one

Presence / Assembly

Surface Inspection

Color Inspection

Measurement

Pick & Place

OCR / OCV

Code Reader

Type of code:

Size of code:

Height and length:

Number of cells:

Speed:

Other

3. How many product types exist?

4. How many inspections occur on each part?

5. Does the machine already exist?

Yes

No

6. Communication and Communication protocols

Digital I/O

RS232

Ethernet / TCP IP

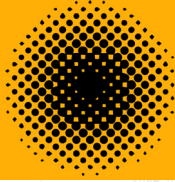


Other

7. About the Vision Application

New Vision Application

Upgrade for Vision Application



SPECIFIC APPLICATION INFORMATION

8. Expected Precision from the Vision System



Please specify here the expected accuracy from the vision system.

If your precision type is not listed, please use the textbox below to describe.

a) Measurement

Accuracy required from Vision System (mm)

Other

b) Pick and Place

Position Accuracy required from Vision System (mm)

Other

c) Defect Inspection

Smallest defect size (mm)

Other

9. Inspection speed



Moving



Stationary

min

max

Distance between parts (mm)

Parts per Minute

Conveyor Belt Speed (mm)



PART PROPERTIES

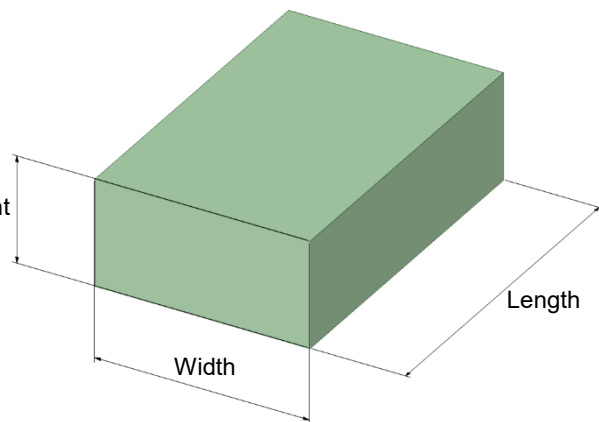
1. Part size

Length (mm)

Width (mm)

Height (mm)

	min	max
Length (mm)	<input type="text"/>	<input type="text"/>
Width (mm)	<input type="text"/>	<input type="text"/>
Height (mm)	<input type="text"/>	<input type="text"/>



2. Part cleanliness



Oil / Smearly



Dirty



Clean

Other

3. Material



Metal / Steel



Plastic / Rubber



Glass



Paper / Carton

Other

4. Appearance



Matt



Shiny



Transparent



Colored

Which and how many colors do you have?

Other

5. Appearance of part: Is it always the same?



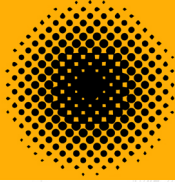
Yes



No



Unknown



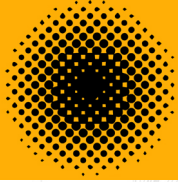
ADDITIONAL PART INFORMATION



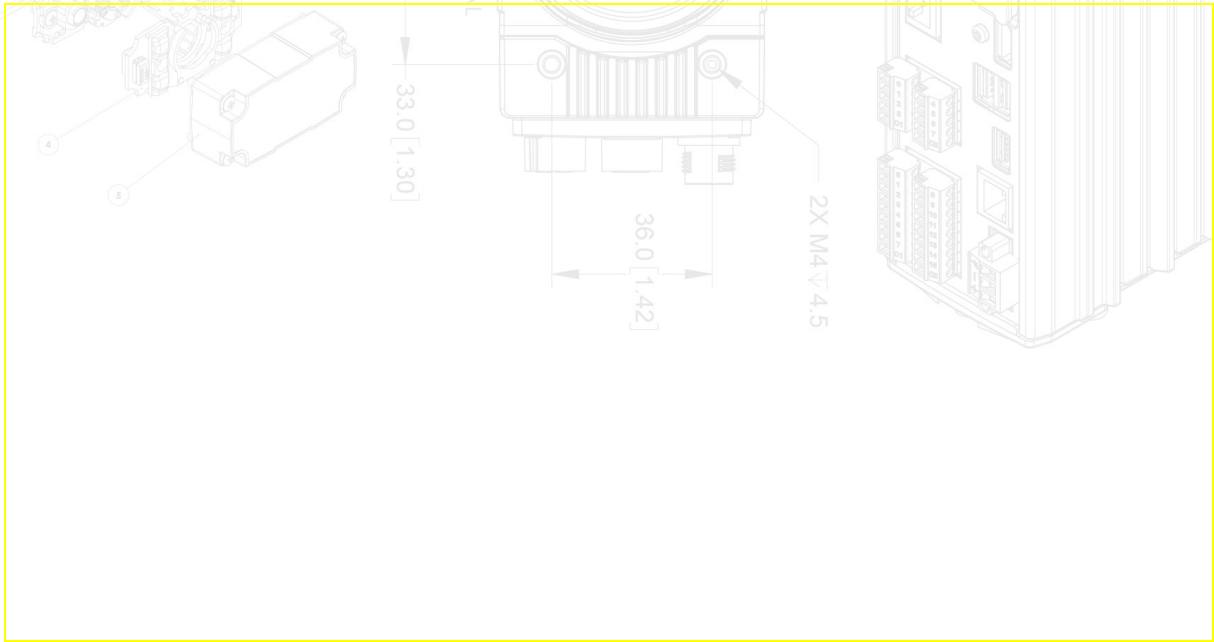
*Add images here of the part and the environment by clicking on the image icon.
Maximum four files. Supported filetypes: PDF, PNG, JPEG, BMP
For further description, please use the textbox on the next page.*

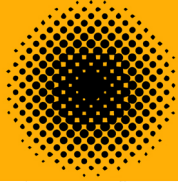
6. Images from the Part

7. Images from the environment



Additional Notes for Part Properties





SETUP

1. Part positioning and Field of View



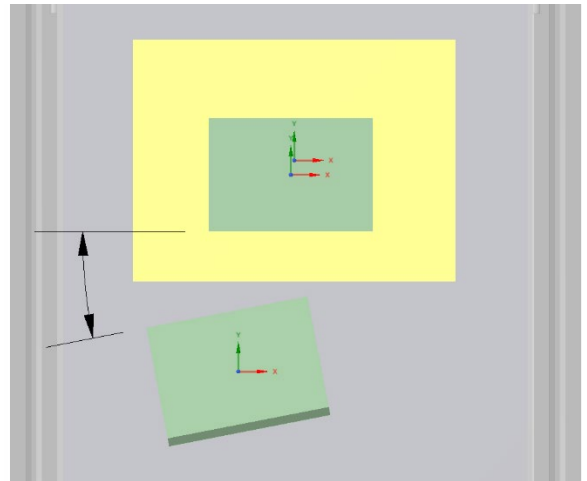
*Please define the part movement in each direction using the fields below.
Is the part in the same position and orientation every time?
This information is important to define the size of the inspection area.*

X± (mm)

Y± (mm)

Z± (mm)

Angle± (degree)



Size of inspection area

(Field of View - Yellow Rectangle)

min

max

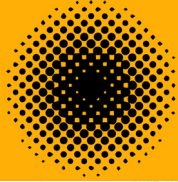
Length (mm)

Width (mm)

Height (mm)



Additional Notes for Setup

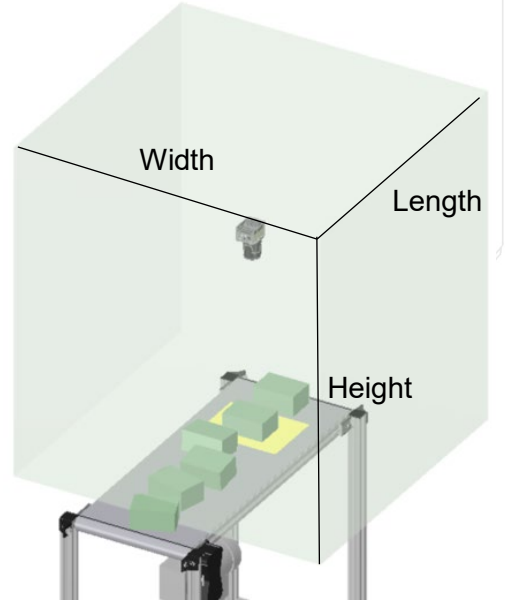


2. Distance between Camera and Part

	min	max
Distance (mm)	<input type="text"/>	<input type="text"/>
	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown

3. Space available around the part

	Height	Length	Width
Cube Size (mm)	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown



4. Room for Lighting

No Limitations

On either side of the part
(Left and Right of part)

Below the part
(Backlight)

Above the part
(e.g. Dome Light)

Unknown



Additional Notes for Space available



ENVIRONMENT

1. Intensive vibrations at the machine?

Yes

No

2. Environment

Oil / Smearly

Dirty

High or Low Temperatures

Clean Environment

Other

3. Part transport

Conveyor Belt

Robot

Manual

Other

4. Shielding from Ambient Light

Possible

Not Possible

Probably Possible

Unknown

5. Possible Ambient Light Influence

Nothing

Intense Sunbeams

Additional Lighting

Other



Additional Notes for Environment