|  |  |  |
| --- | --- | --- |
| **Customer / -no.:** |  |  |
| **ZIP code, location:** |  |
| **Contact person:** |  |
| **Business:** |  |
| **Project declaration:** |  |
| **Sales responsible/date:** |  |  |

☐ **end customer** with **single need** for\_\_\_\_\_\_\_ pcs.

☐ **end customer** with **recurrent need** for \_\_\_\_\_\_ pcs./year

☐ **OEM** with need for **different applications** for \_\_\_\_\_ pcs./year

☐ **OEM** with need for **same applications** for \_\_\_\_\_ pcs./year

☐ System integrator \_\_\_\_\_ pcs./year

**Customer requirements**

feasibility: until CW…………

implementation: until CW…………

|  |  |
| --- | --- |
| Budget: |  € |
| Annual budget for vision-systems: |  |
| Competitor: |  |
| Probability of realization: |  %  |

Parts to be inspected:

|  |  |  |
| --- | --- | --- |
| Parts (sketch):: |  |  |
| Length/width/height: |  mm³ |
| Working distance [d]: |  mm |
| Description and condition of parts / variants: |  |
| Method of inspection: | ☐ detection of position☐ presence/absence/completeness☐ shape ☐ count☐ others\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Inspection characteristic /errors:(Borderline parts) |  |
| Feature(s) to be inspected:(passed/non-passed)accuracy /tolerance |  |
| description of task:(What does the customer expect? Process details) |  |

feeding:

☐ Zuführband / Linearförderer ☐ Manual workstation

☐ ball feeder ☐ rotary indexing table

☐ Workpiece carrier system ☐ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| conveyor speed: |  |
| vibrations:(strength) |  |
| Cycle times /parts /min: |  |
| Others: |  |

Guidance / Positioning:

|  |  |
| --- | --- |
| Way of guiding:(how is it guided?)  |  |
| Accuracy (in mm): (can the product turn, rotate…?) |  |
| Shaded areas:(Can the product be shaded somehow by something?) |  |

vision sensor:

☐ CS50 ☐ CS60

|  |  |
| --- | --- |
| Relative orientation of sensor to the product. (side, perpendicular, …?) |  |
| Environmental conditions:(dirt, heat, oil, ESD etc.) |  |
| light effects:(Daylight, neon/LED lamps, etc.) |  |
| Can the area be sheltered from the sun?(Blackbox) |  |
| Others: |  |

Communication required:

☐ Digitale I/O´s ☐ ProfiNet
☐ Ethernet/IP (Only CS50) ☐ TCP/IP

Trigger Signal:

|  |  |
| --- | --- |
| How is triggered? | ☐ machine control ☐ sensor☐ Output of machine / robot☐ Continuous |

Lighting:

☐ Internal vision sensor illumination sufficient / preferred?
recommendation:

☐ Built-in advanced lighting (red/white) until 200mm
 ☐ Built-in advanced lighting (blue) until 150mm
 ☐ Built-in advanced lighting (IR) until 100mm

☐ External lighting necessary / required (e.g. BEK-R33…)?
 (CS-50: for distances > 200mm, CS-60 for distances > 500mm is an ext. Lighting recommended)

|  |  |
| --- | --- |
| External Lighting/type: |  |
| Working distance: |  |
| Relative position to the product: |  |
| otherinstallation instructions: |  |

Equipment:

connection cable: length of RJ45 2/5/10m
(5m is also angled available) lenght of powercable 2/5/10/20m

Sample parts:

☐ Samples will be sent to…
(sufficient number and types of product parts)

☐ No samples available (Application Specialist required at the customer)

☐ Demo-case needed (max. 14 days) from CW …………..