

# Low Cost Automation - check list

(only for internal use)

## Customer data

Customer number \_\_\_\_\_ Date \_\_\_\_\_

Company \_\_\_\_\_ Telephone \_\_\_\_\_

Contact \_\_\_\_\_ E-mail \_\_\_\_\_

Application \_\_\_\_\_

## Required information

Quantity/batch size \_\_\_\_\_

Single application

Volume application

New design

Technical improvement

Cost reduction

## Application data

Operating time [%] \_\_\_\_\_

Speed [m/s] \_\_\_\_\_

Reach [mm] \_\_\_\_\_

Cycle time [s] \_\_\_\_\_

Payload [kg] \_\_\_\_\_

Degrees of freedom \_\_\_\_\_

## System design

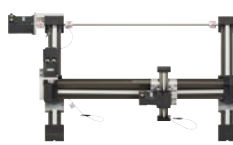
Line robot

Flat linear robot

Room linear robot

Articulated arm

Delta robot



## Installation position

Horizontal

Vertical

Lateral

Overhead

Required accuracy (at the operating point) [mm] \_\_\_\_\_

Ambient temperature [°C] \_\_\_\_\_

Humidity  yes

no

## Application data

Motor technology:  Stepper motor

DC motor

BLDC

Design:  Stranded wire

Connector

Encoder

Connection cable:  No

3 metres

5 metres

Connector design:  Straight

Angled

Control system:  D1

D3

iRC

Client motor: Manufacturer \_\_\_\_\_

Type \_\_\_\_\_

## e-chains®

e-chains®  yes

no

Additional services  yes

no (e.g. pneumatic/electric)



## Overview of available robots

Check list		roboLink®	Cartesian robot	Delta robot
Degrees of freedom	5			
	4			
	3			
	2			
	1			
Reach [mm]	3,000			
	2,000			
	1,000			
	0			
Payload [N]	150			
	100			
	50			
	0			
Precision [mm]	1			
	0.8			
	0.6			
	0.4			
	0.2			
	0			
Cycle time [s]	8			
	6			
	4			
	3			
	0			
Control system (Motor controller / PLC)				
Gripper				

