

Cosi Measure

mechanical subsystem

electronical subsystem

software

base frame

- aluminium profile (40x80x800)
- angle, 40x80
- screw M8x15
- slot nut N8/M8
- angle, 40
- screws M8x18, countersunk, (or screws M8x12 as in BOM referenced?)
- slot nut M8
- aluminium profiles (40x40x800)
- slot nut N8/M8
- slot nut N8/M8
- aluminium profiles (40x80x800)
- angle, 40x80
- screws, M8x18
- aluminium profiles (40x40x800)
- screws M8x18, countersunk (or screws M8x12 as in BOM referenced)
- slot nut N8/M8
- angle, 40

x movement

- linear axis (powertrain)
 - Ball screw & spindle nut block
 - ballscrew
 - spindle nut block
 - screw M5x20, countersunk
 - fixed bearing & motor holder
 - ...
 - floating bearing
 - motor coupler
- attachment to base frame left
 - slot nuts, M8
 - plate 3
 - plate 4
 - screws, M8x20, countersunk
 - screws, M6x30
 - screw nuts, M6
 - screws M6x20
- linear rail x-direction
 - slot nuts M5
 - supporting rail, TB520
 - Screws, M5x20
 - linear bearing, TBR20UU

y movement

- linear axis (powertrain)
 - Ball screw & spindle nut block
 - ballscrew
 - spindle nut block
 - screw M5x20, countersunk
 - fixed bearing & motor holder
 - ...
 - floating bearing
 - motor coupler
- fixation of linear axis
 - plate 1
 - screws, M6x20, countersunk
 - screws, M6x20
- linear rail y-direction
 - supporting rail
 - linear bearing
 - screws M5x30
 - Hexagon nut, M5
- attachment to x-axis
 - plate 2
 - screws M5x30
 - screws M5x20, countersunk
 - Distance plate 1mm

z movement

- linear axis
 - Easy mechatronic system
 - fixed bearing and motor holder
 - ...
 - floating bearing
 - linear bearing
 - präzisionsshaft
 - shaftholder
 - ball screw & spindle nut block
 - shaft coupling
 - plate 8
 - screws, M6x20
 - plate 9
- fixation of linear axis
 - plate 5
 - plate 6
 - plate 7
 - screws, M5x30
 - screws, M6x20, countersunk
 - screws, M5x20, countersunk
 - screws, M6x20, countersunk
 - screws, M5x20, countersunk
- attachment to y-axis
 - screws, M5x20, countersunk
 - distance plates, 1mm

Freitext