Cosi Measure

- mechanical subsystem
  - base frame
    - aluminum 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
    - aluminum profiles (40x40x800)
    - slot nut N8/M8
    - slot nut N8/M8
    - aluminum profiles (40x80x880)
    - angle, 40x80
    - screws, M8x18
    - aluminum profiles (40x40x800)
    - screws M8x18, countersunk (or screws M8x12 as in BOM referenced)
    - slot nut N8/M8
    - angle, 40
  - 3-axis movement system
    - x movement
      - linear axis (powertrain)
        - ball screw & spindle nut block
          - ball screw
          - 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, TBS20
        - Screws, M5x20
        - linear bearing, TBR20UU
      - limit switch holder
    - y movement
      - linear axis (powertrain)
        - ball screw & spindle nut block
          - ball screw
          - 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
      - limit switch holder
    - z movement
      - linear axis
        - Easy mechatronic system
          - fixed bearing and motor holder
            - ...
            - ...
          - floating bearing
          - linear bearing
          - precision shaft
          - shaft holder
          - ball screw & spindle nut block
          - shaft coupling
        - plate 8
        - screws, M6x20
        - plate 9
      - plate assembly
        - plate 5
        - plate 6
        - plate 7
        - screws, M5x30
        - screws, M6x20, countersunk
        - screws, M5x20, countersunk
      - attachment to y-axis
        - screws, M6x20, countersunk
        - screws, M5x20, countersunk
        - distance plates, 1mm
      - limit switch holder
  - moving table
- electronic subsystem
  - casing
  - electronics
- software

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