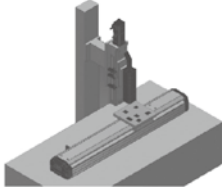


# Applications for single axis

## SLIDER ELECTRIC CYLINDER - BALL SCREW DRIVE



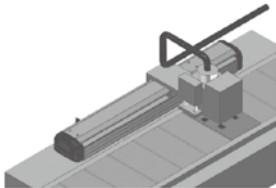
**Suitable industry:** PCB / CD / DVD / Semi-conductor / Packaging / Testing



### Spray-Printing device for PCB substrate boards

Fixes the substrate board onto the electric cylinder. Use the character of equal-speed sliding to execute the spray printing.

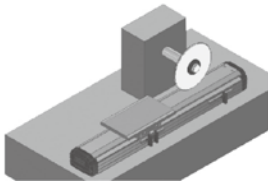
Use specifications  
METG-8 / METS2-14



### Surface cleaning device for circuit boards

Fixes the plasma on to the motor slide and moves back and forth on top of the conveyor to clean surface for circuit boards.

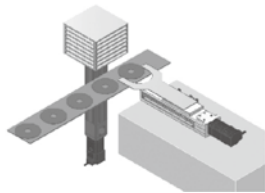
Use specifications  
METG-8 / METS2-14



### Cutting device for PCB circuit boards

Place the PCB board on the electric cylinder and do the cutting by using external cutting devices.

Use specifications  
METG-8 / METS2-14 / METS-17



### Compact disc receiving device

Use the feature "multi-positioning" of electric cylinder to do loading and unloading of the disc box.

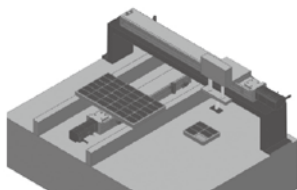
Use specifications  
METG-5 / METG-8 / METS2-14 / MEQG-8



### IC printer device

Place the IC device on the electric cylinder. Use the character of equal-speed sliding and capable to adapt servo motor and stepping motor to execute the laser printing.

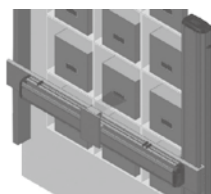
Use specifications  
METG-5



### Aligning device for pick-and-place of IC boards

Install two single electric cylinder to combine a simple IC pick-and-place system.

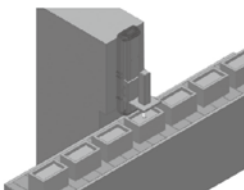
Use specifications  
METG-5 / METS2-14



### Barcode scanning device

Install the X-Y multi-axis system to automated warehouse to execute the scanning of barcode.

Use specifications  
METS2-14 / METS-17 / METS-22



### Fillings device

In order to adapt to filling of different products, we can execute the filling at different height of position by programmable feature.

Use specifications  
METG-5 / METG-8 / METS2-14

# Applications for single axis



**mindman**

## SLIDER ELECTRIC CYLINDER - BALL SCREW DRIVE

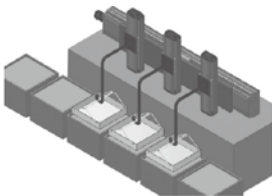
**Suitable industry:** Automotive / Component processing / Assembling / Surface processing / Mobile phones / Traditional manufacturing / Food / Raw material



### Tire surface check machine

Mount the C.C.D on the electric cylinder. Use the character of equal-speed sliding to check the defects on the tire surface and report to the on-site worker immediately.

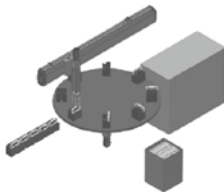
Use specifications  
METG-5 / METG-8



### Mobile device for surface processing

Mount the working piece on the electric cylinder and dip it into the solvents. Use the character of moving up and down, left and right at high speed to do the surface treatment processing.

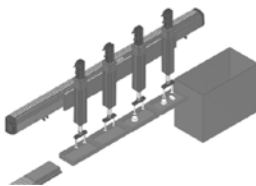
Use specifications  
METS2-14 / METS-17 / METS-22



### Assembling device on disc machine

Install two single electric cylinders to combine an X-Y system. Then mount it onto the disc machine to do the components assembly.

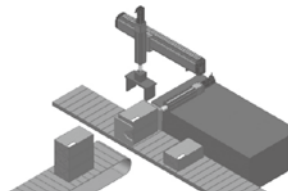
Use specifications  
METG-8 / METS2-14 / MEQG-5



### Assembling device for small components

Use the feature multi-positioning of the electric cylinder to drive the sucker and cylinder to do the assembly of small components.

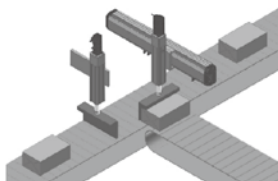
Use specifications  
METG-5 / METG-8 / MEQG-5



### Conveyance device for assembly lines

Utilizes uniaxial motor slides to assemble into a XY mechanism and performs conveyance of items on top of the conveyor.

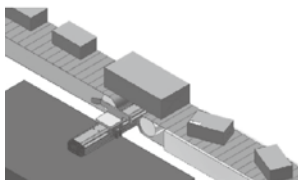
Use specifications  
METG-8 / METS2-14 / METS-17



### Separator device for assembly lines

Utilizes motor slides to categorize products on the assembly line with conveyors.

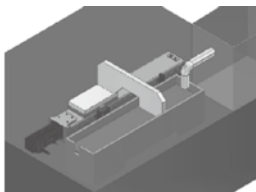
Use specifications  
METG-8 / METS2-14



### Aligning device for packaging

Utilizes slides with servo motors to align products of different sizes on the moving conveyors, which substantially saves the working time.

Use specifications  
METG-8 / METS2-14 / METS-17



### Leveling mechanism for solvent surfaces

Utilizes the characteristics of motor slides moving at equal speeds to level the surface of glutinous solvents.

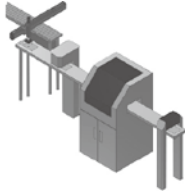
Use specifications  
METG-5

# Applications for multi axis

## SLIDER ELECTRIC CYLINDER - BALL SCREW DRIVE



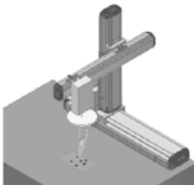
**Suitable industry:** PCB circuit boards / CD / DVD / Mobile phones



### Conveyance device for circuit boards

Assembles two uniaxial motor slides into a X-Z biaxial mechanism and conveys the circuit board across left and right as well as up and down.

Use specifications  
X axis METS2-14 / Z axis METG-8



### Auto-soldering device

Fixes soldering device onto the X-Y-Z axes assembled from uniaxial motor slides, which can solder for circuit board components.

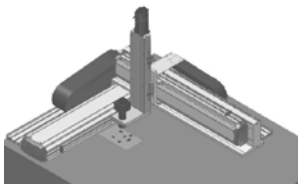
Use specifications  
X axis METS2-14 / Y axis METG-8 / Z axis METS2-14



### Piling device for circuit boards

Utilizes uniaxial motor slides to assemble into X-Y-Z axes, which can be used on receiver mechanism for circuit board assembly lines.

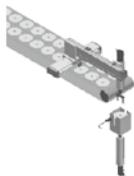
Use specifications  
X axis METS2-14 / Y axis METG-8 / Z axis METG-5



### Visual checking device for CCD imaging

Fixes the visual system onto the X-Y-Z axes and performs AOI checks on the appearance of PCB boards.

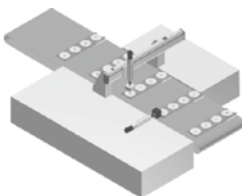
Use specifications  
X axis METS2-14 / Y axis METG-8 / Z axis METG-5



### Piling device for compact discs

Utilizes uniaxial motor slides to assemble into a X-Y-Z axes, which can be used on receiver mechanism for compact disc assembly lines.

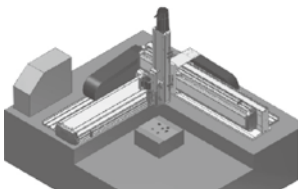
Use specifications  
X axis METS2-14 / Y axis METG-8 / Z axis METG-5



### Ultra-violet exposure device for compact discs

Utilizes uniaxial motor slides to assemble into a X-Z bi-axial mechanism, which can be used on ultra-violet exposure devices for compact discs.

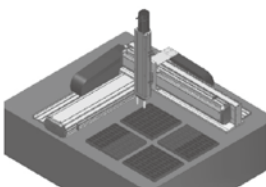
Use specifications  
X axis METG-8 / Z axis METG-5



### Screw-tightening device

Utilizes the X-Y-axis mechanism for pick-and-place of screws.

Use specifications  
X axis METG-8 / Y axis METG-5



### Pick-and-place device for small components

Utilizes uniaxial motor slides to assemble into X-Y-Z axes, which can be used on pick-and-place devices for small components.

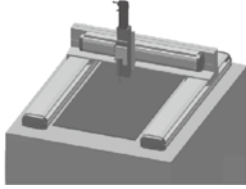
Use specifications  
X axis METS2-14 / Y axis METG-8 / Z axis METG-5

# Applications for multi axis

## SLIDER ELECTRIC CYLINDER - BALL SCREW DRIVE



**Suitable industry:** LCD / Automotive / Machine processing / Solar / Food

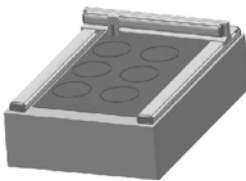


### Rubberizing device for large-size LCD glass substrate boards

Utilizes two synchronous X-axis motor slides and one Y-axis slide along with Z-axis to assemble into one package of high-speed rubberizing devices for LCD glass substrate boards.

Use specifications

X axis METS2-14-2 pcs / Y axis METG-8 / Z axis METG-5

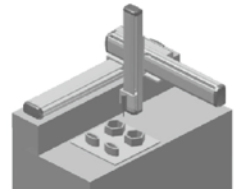


### Cutting for glass substrate boards

Utilizes two synchronous X-axis motor slides with one Y-axis slide to assemble into one package of simple cutting mechanism for glass boards.

Use specifications

X axis METS-17-2 pcs / Y axis METS2-14

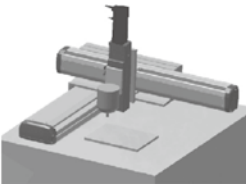


### Coating device for various small components

Assembles three uniaxial motor slides into a X-Y-Z mechanism that can perform dispensing and rubberizing operations with costs way cheaper than one rubberizing machine and utilize the rubberizing operation on the assembly line.

Use specifications

X axis METS2-14, METS-17 / Y axis METG-8 / Z axis METG-5

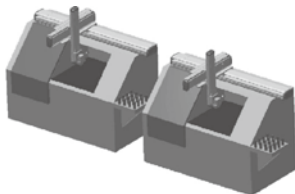


### Mobile device for spray coating

Utilizes X-Y-Z axes to clean or spray coating.

Use specifications

X axis METS2-14, METS-17 / Y axis METG-8, METS2-14 / Z axis METG-5

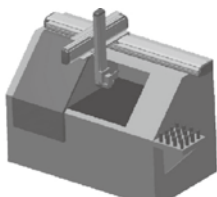


### Pick-and-place device for processed parts from machine tools

Utilizes uniaxial motor slides to assemble into X-Y-Z axes that can be installed onto two or three CNC machine tools as the pick-and-place mechanism for loading and unloading of processed parts from multiple processing.

Use specifications

X axis METS-22 / Y axis METS-17 / Z axis METS2-14

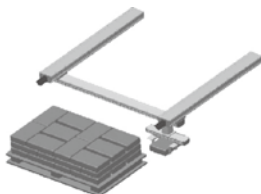


### Pick-and-place device for processed parts from machine tools

Utilizes uniaxial motor slides to assemble into a X-Y-Z axes that can be installed onto CNC machine tools as the pick-and-place mechanism for loading and unloading of processed parts, with a cost saving more than 6-axis mechanical arms.

Use specifications

X axis METS-22 / Y axis METS-17 / Z axis METS2-14

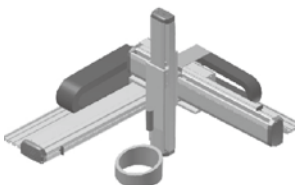


### Conveyance device for large items

Utilizes two synchronous X-axis motor slides with one Y-axis motor slide to assemble into one package of conveyance device for large-size items, with a cost saving more than 6-axis mechanical arms.

Use specifications

X axis METS-22-2 pcs / Y axis METS-17



### 3-Dimensional rubberizing device

Utilizes X-Y-Z axes to assemble into a cantilever rubberizing mechanism that can perform 3-dimensional rubberizing.

Use specifications

X axis METS2-14, METS-17 / Y axis METG-8, METS2-14 / Z axis METG-5