VEGO Dynamic AEM 02

February 2013

Handling

Marking

Screen and Stencil Printing

Final Assembly

Tray and Transfer Systems

Depaneling

AEM 02 Turntable, T- Controller

Functions / Setups

› Turn 90°

› Inward and outward transfer
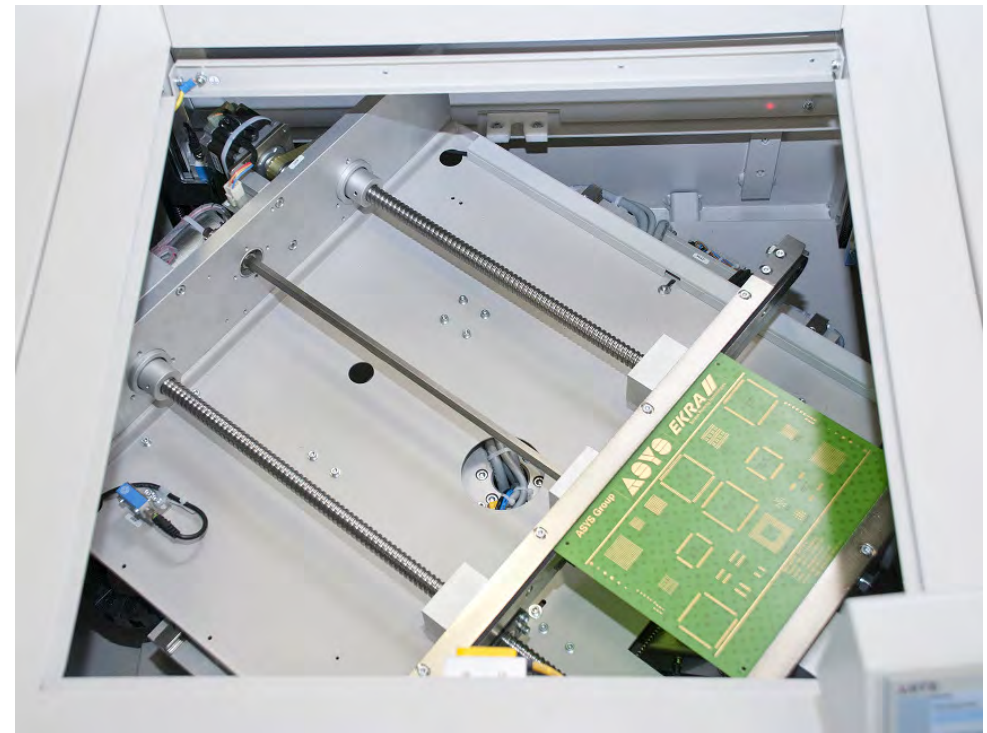
› Bypass

Additional setups (optionally)

› Cross mode

› Sorting function

› +/- 90° Turn (fix rail change)

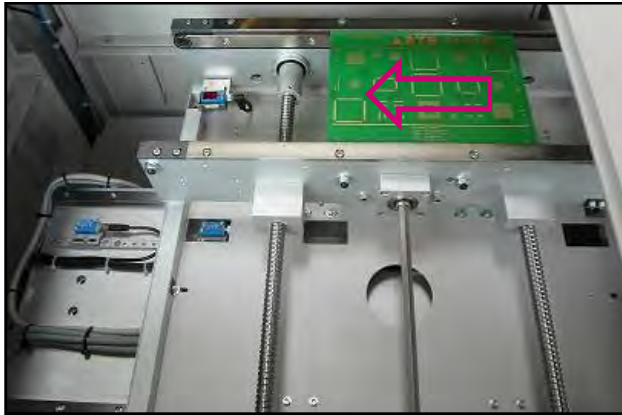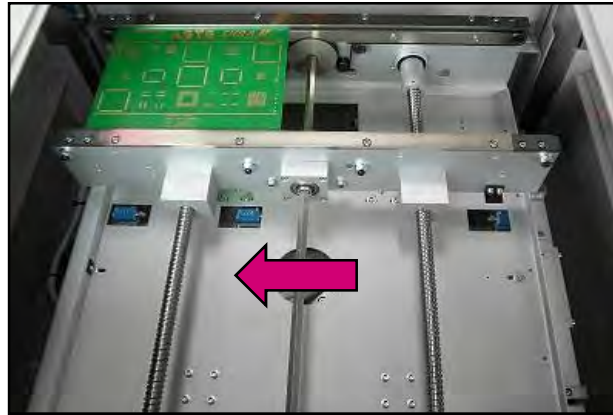**Flexibility for different production concepts**

Technical Specification

Length	830 mm
Width	830 mm
Height	985 mm
PCB width	50 - 460 mm
PCB length	70 - 460 mm
Transport height	850 mm +/- 50 mm (950 mm +/- 50 mm optionally)
Cycle time	+/- 12 Sec. (90° turn)

Process

**Takeover PCB from n-1
Linear table in takeover position**

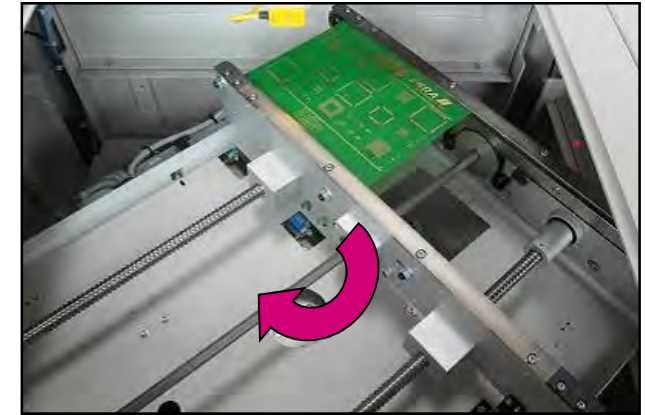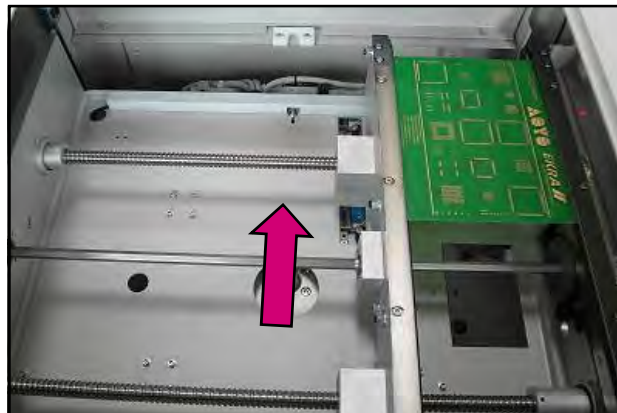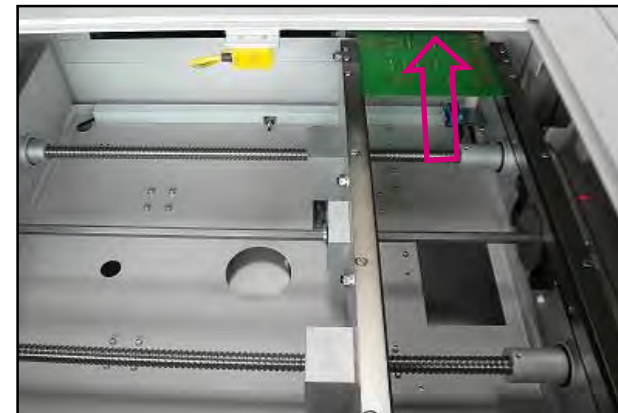**Linear table moves in middle position**

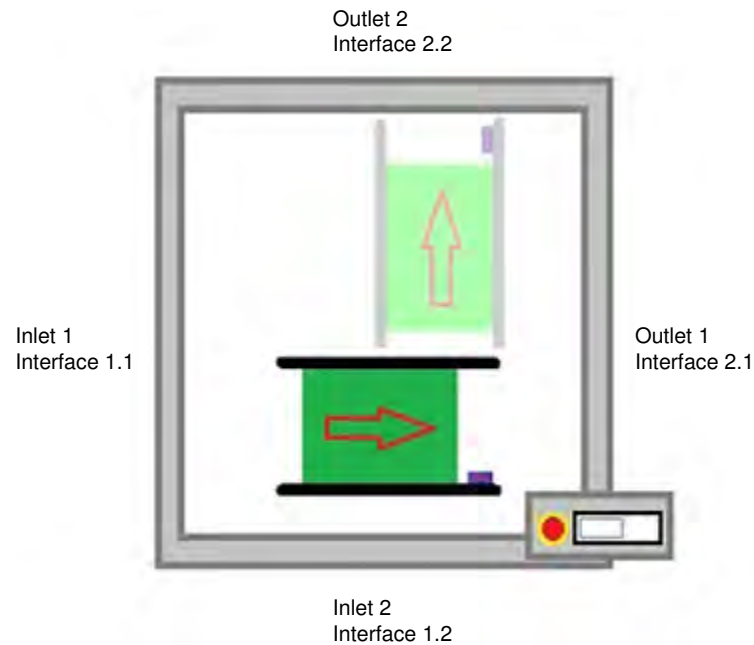**Table turns 90°**

Linear table moves in handover position

**Handover PCB to n+1
Linear table in handover position**

Functionality

› In- / Outlet on all 4 sides possible (optionally)
  Base version are 3 sides

Outlet 2
Interface 2.2

Inlet 1
Interface 1.1

Outlet 1
Interface 2.1

Inlet 2
Interface 1.2

Operation

› Rotatably mounted console for operating from 2 sides

› Operator panel type AOPT350 with graphical color display

› Changing Parameters and setup new recipes during automatic mode

› Password protected userlevel (configurable)

› Product memory function

Safety

› Emergency- stop button

› Hinged cover with contactless safety switch (Interlock)

› Optionally: Safety- shutter at the takeover positions

› Optionally: In- / outlet conveyor with safety cover
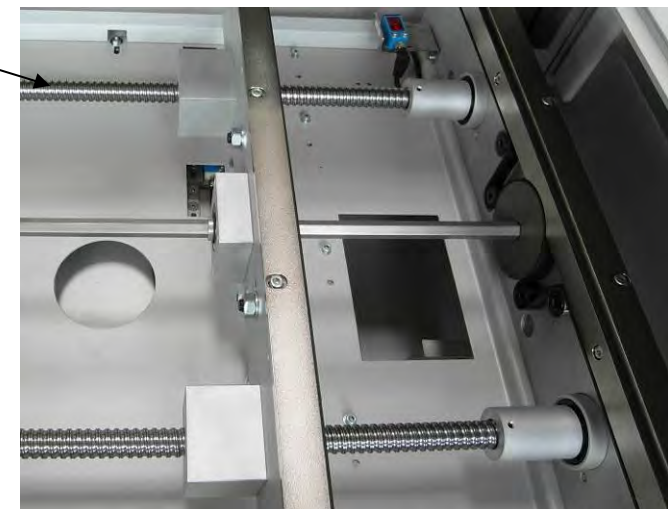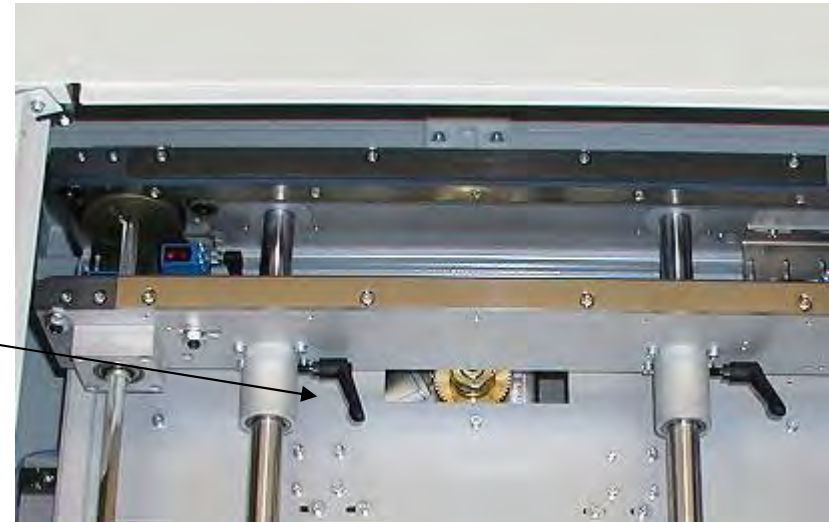

Cover closed   **Cover open**   **Shutter closed**   **Shutter open**
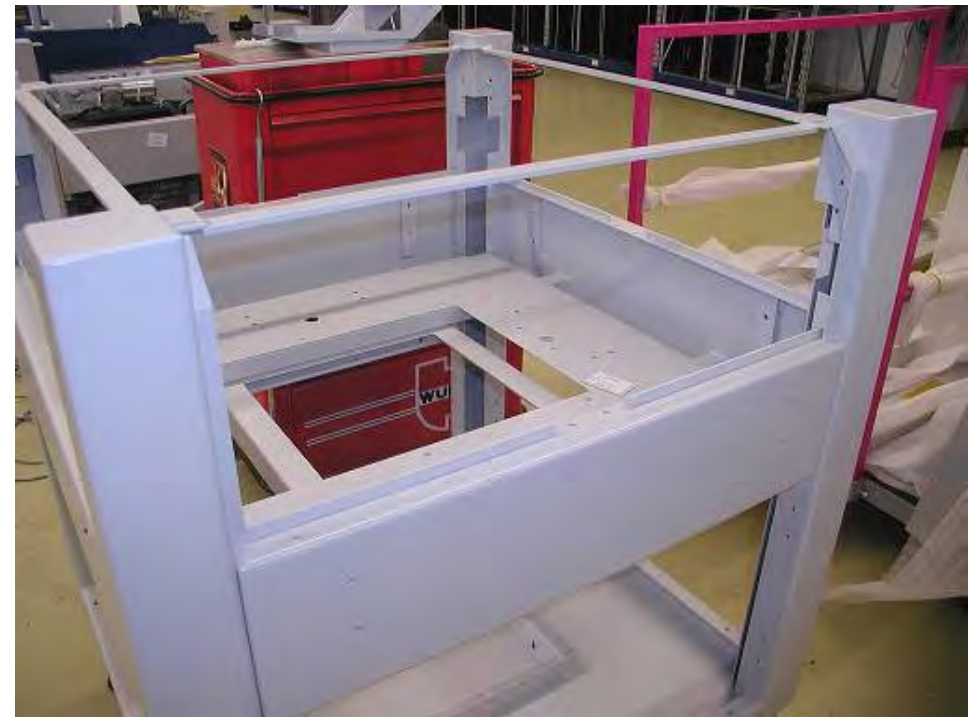
Width adjustment

› Width adjustment
  by clamping lever (Standard feature)

› Width adjustment by spindles
  electrically driven (option)

› Automatic width adjustment
  by input absolute position at the operator panel
  (additional option)

Frame

› Robust steel frame

› Completely ESD powder coated

Mechanic

› Mechanical structure made of solid aluminium

› High quality and durable mechanic parts

Electric

› Electrical cabinet with flap door with double-bit lock

› Main switch usable as emergency stop

› 2x ASYS AMI- interface module for 2 In-/ outlet interfaces
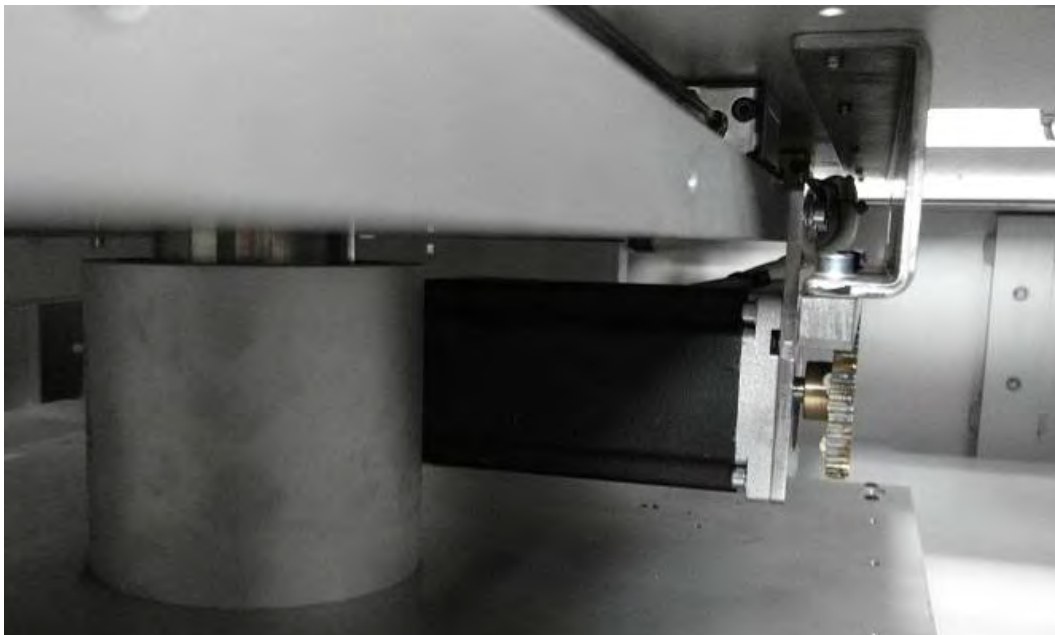 (SMEMA or SIEMENS connectable) icluded

Electrical cabinet

AMI interface modules

Drives

› Servo drives for linear- and turn movement
  controlled via CAN-bus system

› Soft and fast movements protect the material and allows shortest cycle times
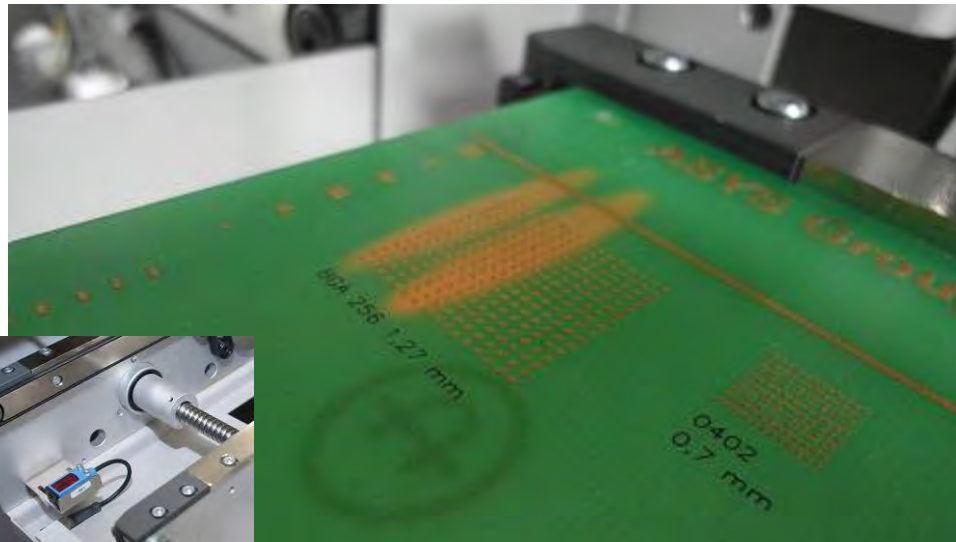

Servo drive of the linear table

Drive pulley of the turn table with cable bushing

Sensing

› High- quality photoelectric proximity switch with „multiline" light beam for safe detection of PCB's with holes or cutouts

› Additional sensors for "gap control"

PCB detection

Gap control sensor

Option: In-/ outlet conveyor

› Mounting option up to 4 conveyors

› In- / outlet conveyor controlled by main machine

Option: Magazine lift

› Lift table (folding) for 1 magazine

› Optionally:
  For line unloading (magazine loading)
  For line loading (magazine unloading)

› 2 lift tables possible (Loading and Unloading)

Pusher + puller in combination