

# VEGO Dynamic FPS 30B



## FPS 30B FIFO buffer station

Functions / setups:

- › FIFO
- › pass through

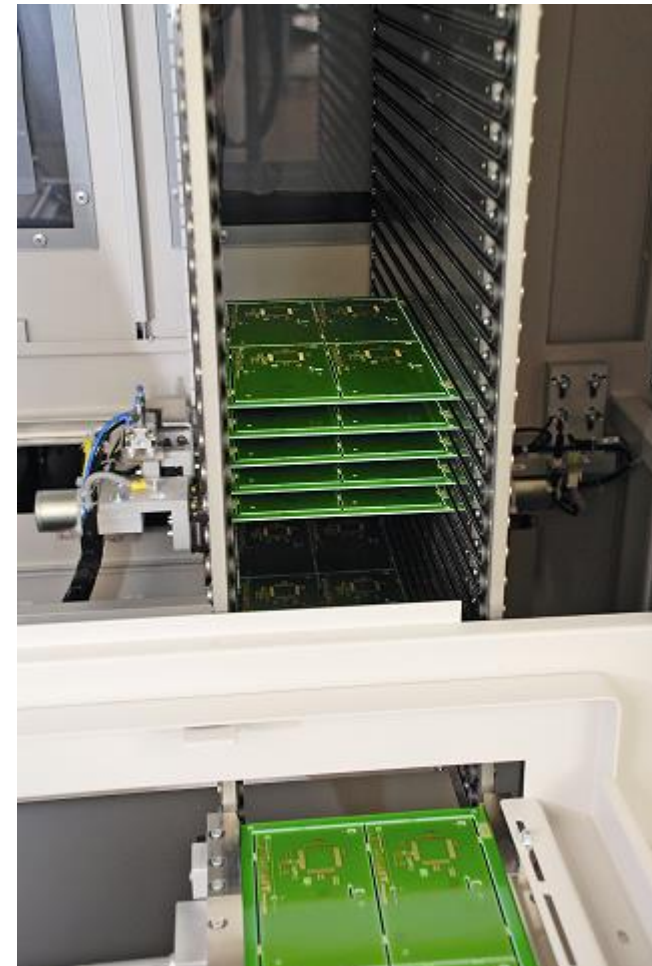
Additional setups (optional):

- › LIFO
- › GOOD/BAD- sorting
- › Cooling function



# Technical Specification

Length	600 mm
Width	1375 mm
Height	1784 mm
PCB Width	50 - 460 mm
PCB Length	70 - 460 mm
Transport height	850 mm +/- 50 mm ( 950 mm +/- 50 mm Option)
Cycle time	+/- 15 sec. ~ 10 sec. ( Option )



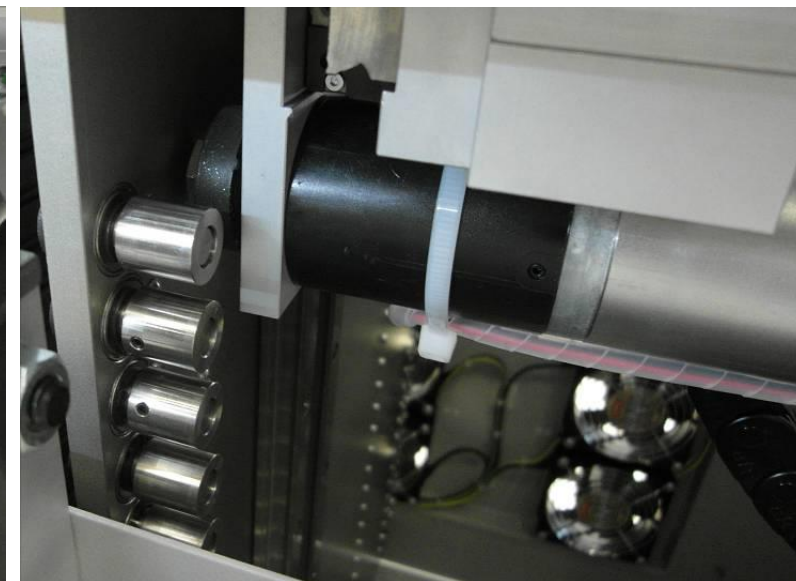
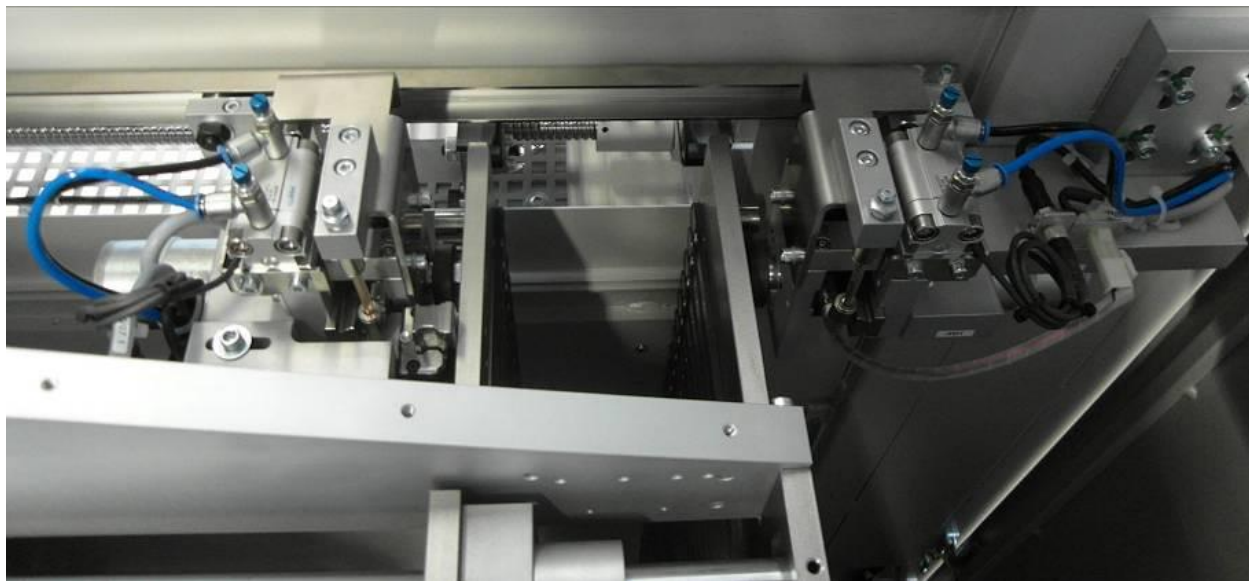
## Design Buffer

- › Buffer cassette with 30 buffer conveyor built on top of each other
- › Slot distance 20 mm (22 mm selectable)  
Custom specific slot distance (Option)
- › No shaft between conveyor; max. component height  
+/- 40mm
- › Hard-coated guiding plates
- › ESD belts; 3mm edge support



## Function of conveyor drive

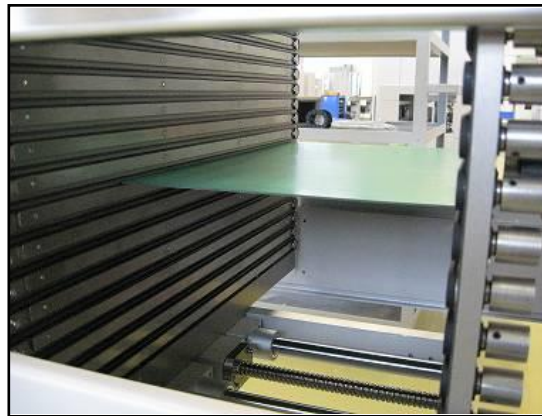
- › 1 DC- drive motor each side with pneumatic coupling
- › Smooth coupling by friction wheel
- › Double bearing of the rollers



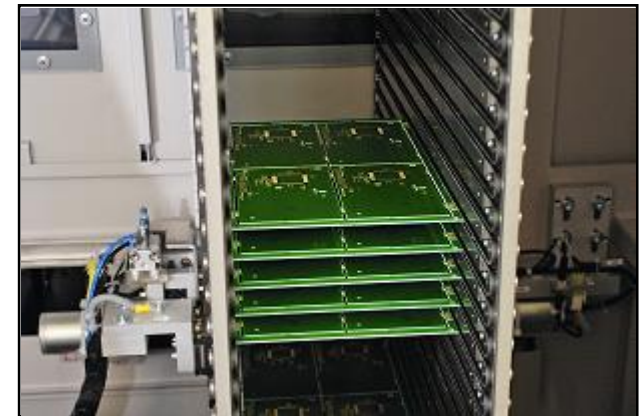
# Process



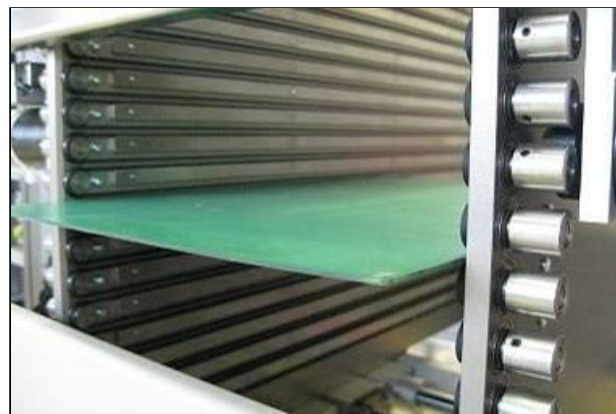
**Buffer in take over position  
Take over the PCB from n-1**



**PCB moves till end of the buffer and  
will be positioned backwards.**



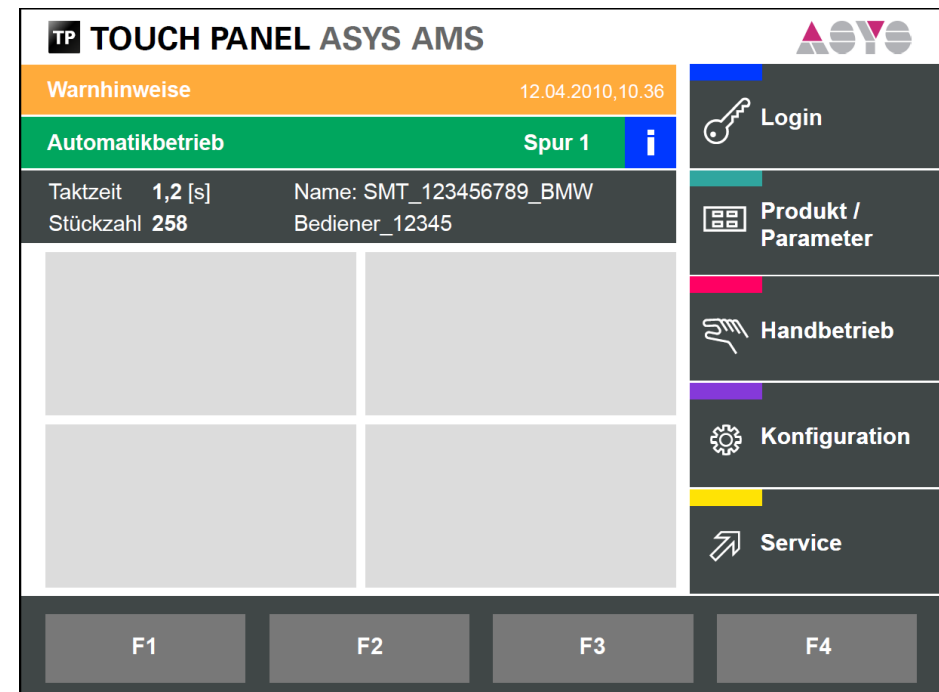
**Vertical buffering of the PCB's**



**Buffer in handover position  
Handover of the PCB to n+1**

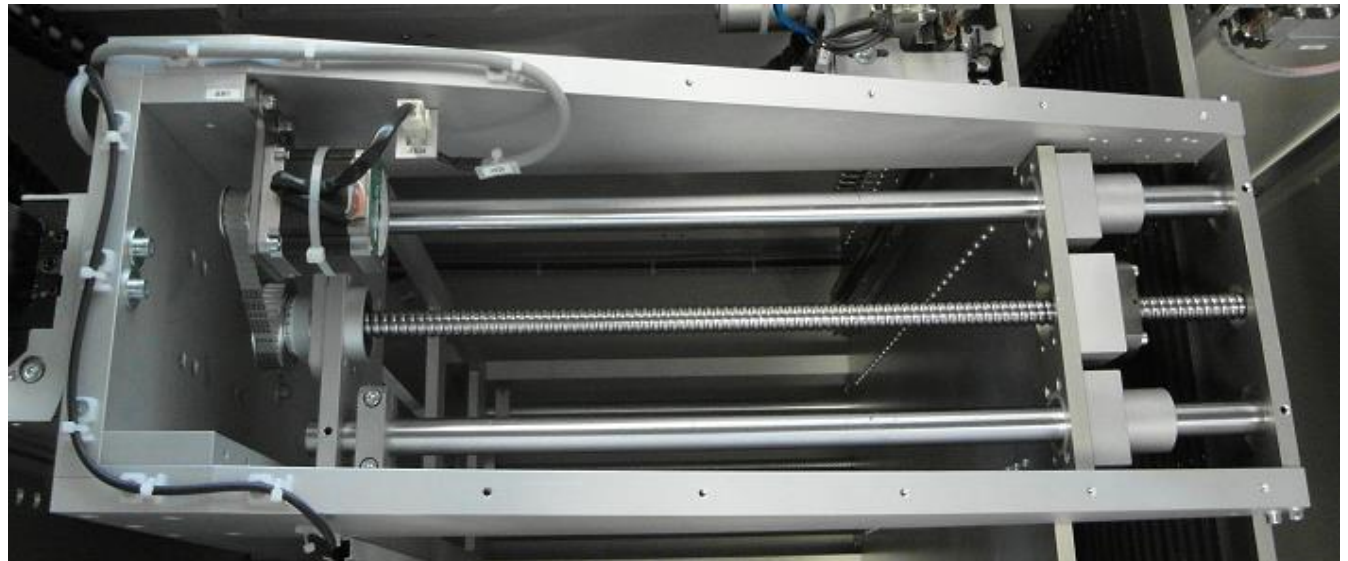
# Operation

- › Operator panel with graphical color display and „Touch“-Function
- › Setup of the machine during production
- › Password-protected user level
- › Product memory function



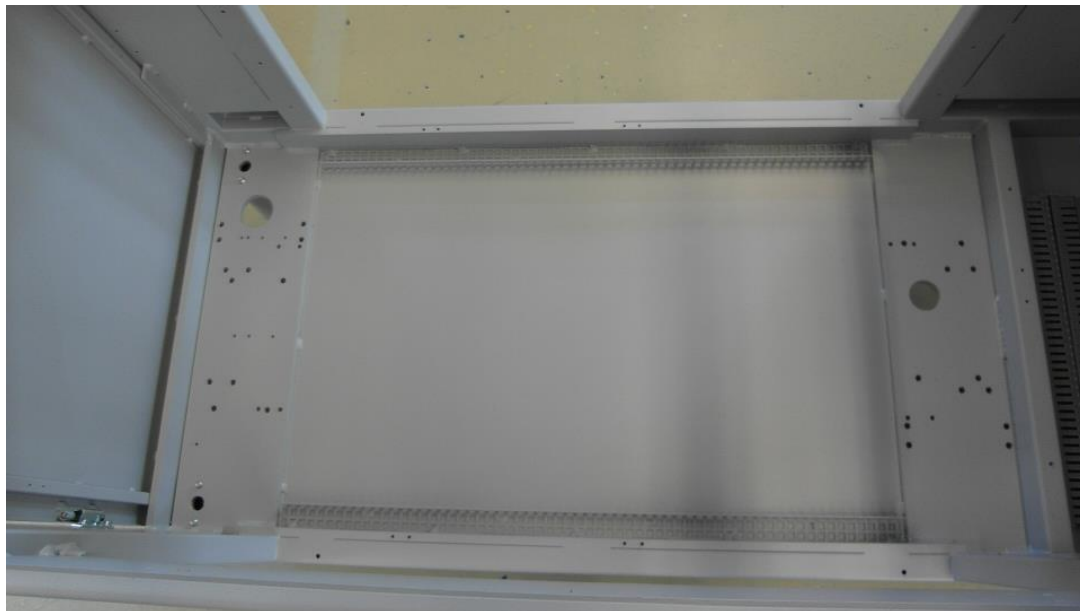
## Width adjustment

- › Adjusting of the transport width by motor driven spindles (base equipment of the buffer).
- › Automatic width adjustment by insert value at the operator panel (option)



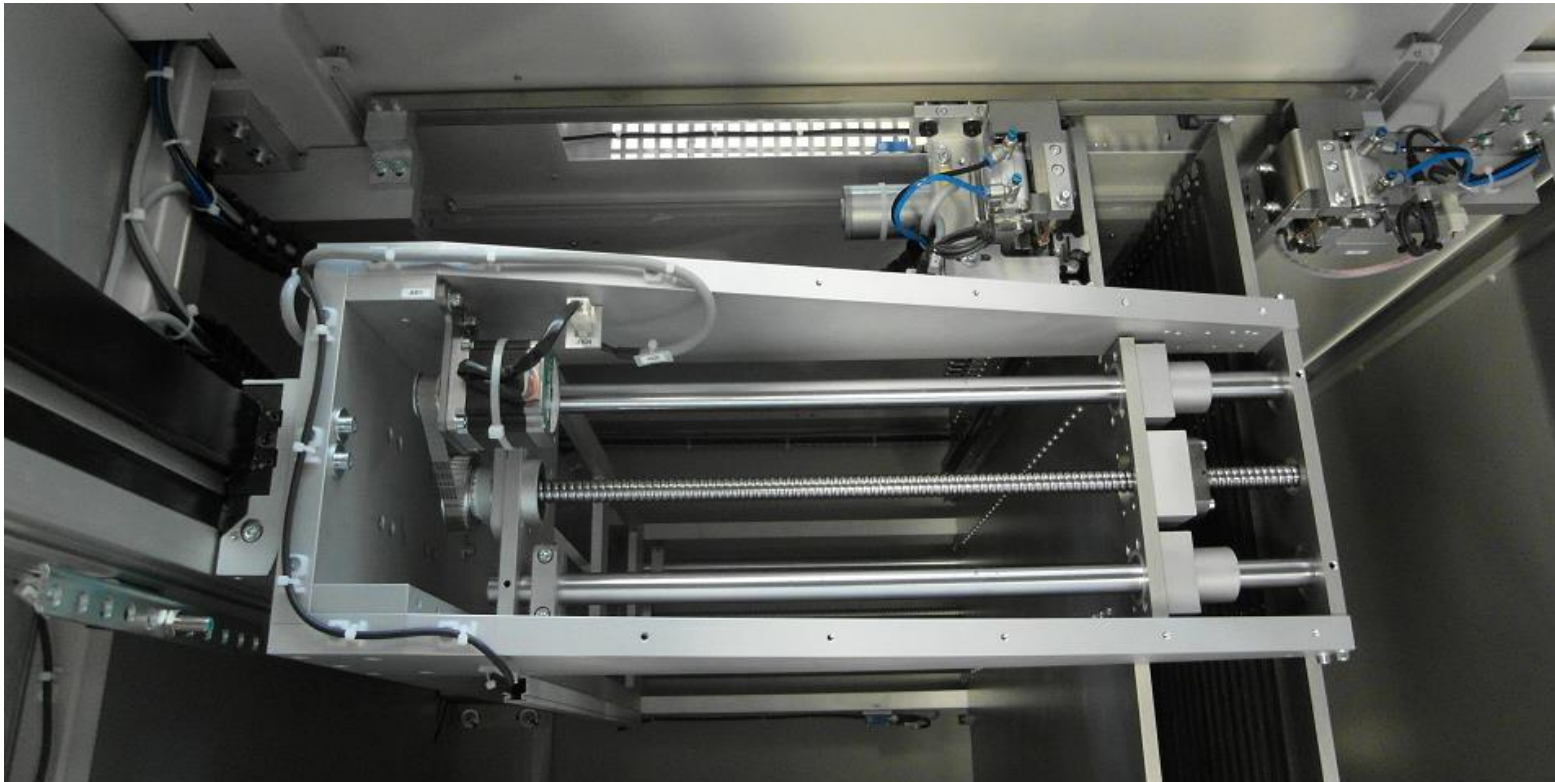
## Frame

- › Robust steel frame
- › Completely ESD powder coated



## Mechanic

- › Mechanic 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



## Lift axis

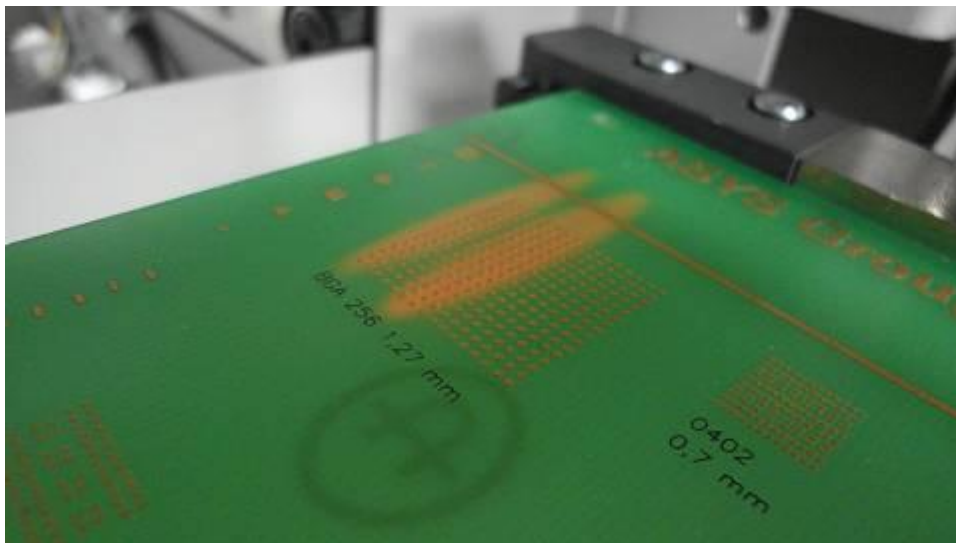
- › Servo- drive; controlled via CAN-bus system
- › Closed spindle axis for quiet and maintenance-free operation



**Closed spindle axis**

## 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**

## Option: In-/ outlet conveyor

- › Mounting option for additional in-/ outlet conveyor conveyors on both sides of the machine
- › In- / outlet conveyor controlled by main machine



## Option: Shutter

- › Safety- shutter on the handover positions allows to run the machine without additional covering



## Option: Cooling function

- › Cooling by fans in the buffer and on inlet conveyor
- › Timer separately adjustable
- › Cooling on inlet conveyor from top and bottom

