

# Vertical Loader Assembly

## SPECIFICATIONS

### 1. Up and down motion

- Driving device: Air cylinder (100Dia x 1280st)
- Ascent/decent stroke: 1280mm
- Stroke adjustment: Adjust the lower limit position  
(Margin lift for adjustment: 400mm)
- Remove the bolt and adjust the stopper position at a 40mm pitch.
- Make a fin adjustment using an adjust bolt, within 40mm.
- Position detection: Two-position detection with a proximity sensor

### 2. Swing

- Driving device: Air cylinder (63Dia x 250st)
- Position detection: Two-position detection with a cylinder sensor
- Swing adjustment: Swing can be adjusted by controlling the swing stopper position.

### 3. Contraction and expansion of shoe

- Applicable tire size: 13 to 17inchs
- Paddle: Quantity: 8 pcs  
Minimum diameter: 270mm  
Maximum diameter: 485.8mm
- Driving device: Air cylinder (50Dia x 50st)
- Position detection: One-position detection with a cylinder sensor

### 4. Green tire detection

- Detection method; Proximity sensor (Three places)

### 5. Centering adjustment:

- Adjustment in the swing arm direction: Use an adjust bolt.  
(Adjustment range: +/-5.5mm)
- Adjustment in the direction of the swing arm: Adjust the lock nut of the Stopper.  
(Adjustment range: +/-7mm)
- Adjustment of parallelism with platen: Use the adjust bolt.  
(Adjustment range: +/-5mm)

