

# A. DETAILS

## 1. NCK-500 HAUL-OFF+CUTTING UNIT(1 pc)



Min. Length (mm)	Speed(m/min)
180 mm	35 m/min
300 mm	60 m/min

### General Features

- Haul-Off System : Bant type
- Contact length : 500 mm (special PU coating)
- Contact width : 80 mm
- Haul-off motor power output : 2 pcs EMF Torque ( for each band)
- Working range : 5-90 mm
- Operating speed : 60 m/min (Operating speed can be adjustable as you desire.)
- Cutter motor output: 1 kW(Siemens V90 series servomotor and Siemens servo driver)
- The working range can be adjusted according to the thickness of the material taken.
- **The lower and upper band will be separately controlled by torque motors and will move synchronously thanks to this system. There will be no belt-pulley in the system to control the tractor belts; The bands will be controlled separately with torque motors.**



- SICK brand 1024 pulse Encoder will be used for line speed control.
- The lower pallet system is fixed, the upper pallet system movable.



- The pulling bands shall be coated with linateks rubber raw material.
- The haul-off unit is controlled by **PLC** controller.
- The circular saw's servo motor will be PLC controlled 1 kW servo motor (Siemens V series).
- The upper and lower covers of the water tank with knife shall be made entirely of stainless material.
- Cutting sensibility **+/- max. 2 mm.**
- Haul-off covers and cutting blade housing cover are equipped with Pilz brand safety magnetic door sensor.
- Pilz brand safety relay is standard in the electrical control panel.
- Electrical control panel is manufactured in accordance with Category 4 class norms.
- Electricity supply is compatible with 380-400V / 50Hz.
- Complies with CE/uL norms.

#### **PLC System Features**

- 7" Weintek touch screen operator panel will be used. Thanks to this panel, the machine will be fully controlled.

#### **From the touch screen on the unit operator panel;**

- **Length to cut**
- **Pieces to be cut**
- **Line speed reel view**
- **Dancer reel position**
- **Cutting blade magnitude adjustment**
- **Reel length information**
- **Order list**
- **Breakdown information**

- Fault informations are clearly displayed.
- There will be **ENG** language option.
- The unit keeps the number of cuts in its memory since the first operation.
- Special menus which are suitable to your current system can be added on the operator panel.

#### **Buttons on the Unit**

- Haul-off Start/Stop
- Cutter Start/Stop
- Caterpillar move Up/Down
- Safety reset
- Man/Auto
- Speed +/-

- Emergency Stop

**Inter-Bands Distance Adjustment. :**

The lower band system is controlled manually, the upper band system is controlled with a 0.37 kW gearmotor and up and down movement is controlled via the HMI screen. The desired range can be adjusted on the screen with the help of a linear ruler.

