

Part no. 013100

**EAGLE TRUCK 3000 Fully Automatic Buffing Machine**



(image just for illustration purpose, the machine offered may have different configuration)

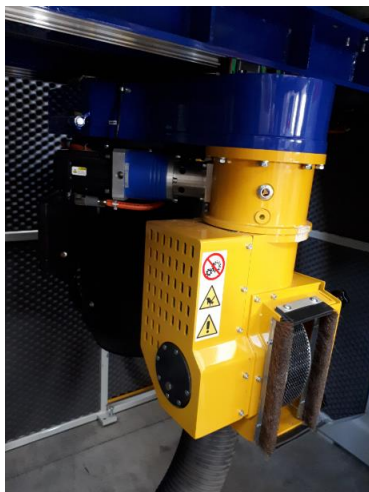
The EAGLE TRUCK 3000 buffer is a premium fully automatic machine, suitable for both cold and hot retreading, designed to remove the residual tread from truck, bus and light transport vehicle tyre casings with a high level of precision. One operator can work on two machines simultaneously.

The machine can simultaneously perform both the buffing of the tread and the brushing and grinding of the sidewalls following a symmetric or asymmetric programmed profile.

The buffing unit is always centered in a perpendicular way to the tyre spot to be buffed (real 3 axis), making the machine suitable for contoured profiles and ensuring a consistent and uniform surface texture.

**BENEFITS:**

- **Fully automatic: one operator or a handling robot can work on two machines.**
- Automatic tire lifting, bead plates closing, inflation and deflation.
- Hanging buffing unit for easier cleaning and high reliability to dust
- Maximum flexibility: both for hot and cold retreading (both sidewall brushing and grinding units)
- Solid and robust structure for no vibration that improves stability and buffing accuracy.
- Tire rotation given by rotation gearbox.
- Blade inversion to increase blades lifetime.



(buffing head)

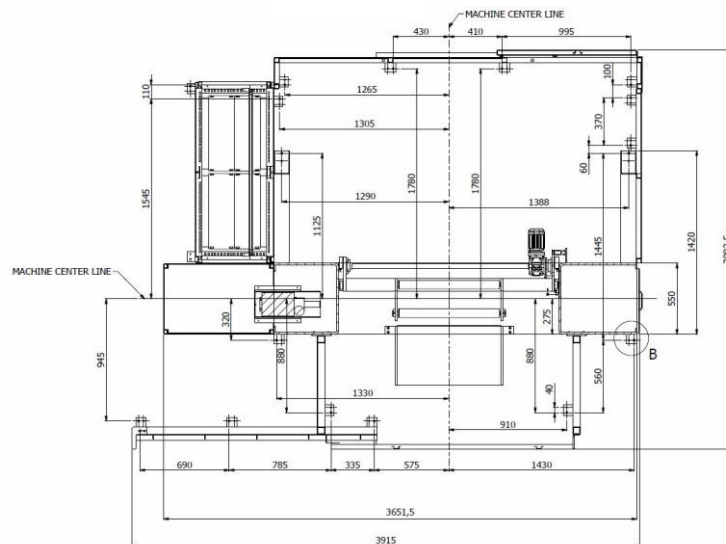


(belt detector sensor)

## MAIN FEATURES:

Rasp motor 30 kW  
 Vertical buffing head and real 3 axis movement  
 Buffing profile up to 4 radii + 1 radius for sidewalls, for very accurate buffing operation  
 Blade cooling system  
 Included Pair of bead plates 19,5 and Pair of bead plates 22,5  
 Bead plates width measuring device and automatic width adjustment  
 N.2 Automatic independent sidewall brushing and grinding units  
 Automatic blade-wear compensation  
 Automatic program to invert rotation of buffing head and brushes (cost saving for uniform wear of the blades and no need to stop production to invert the buffing head).  
 Automatic loading-unloading system.  
 Belt detector and circumference measuring device.  
 Adjustable tyre rotation speed (chuck driven on the axis)  
 Soundproof station with automatic door.  
 PC with touch screen, display showing the actual circumference of the buffed tyre

## LAYOUT:



(layout Eagle Truck 3000)

## TECHNICAL DATA:

Tyre external diameter	600 mm ÷ 1250 mm
Tyre cross section width	160 mm ÷ 500 mm
Tyre rim	17,5" ÷ 24,5"
Tyre bead to bead width	5" ÷ 14"
Total Installed Power	~ 50 kW
Air Supply Pressure	8 bar
Minimum air speed in suction duct	30m/s
Average Productivity*	20 tires/h

\* (315/80 R 22.5) The average productivity depends on recipe selected and the quantity of rubber to be removed.

Cycle time\*\* 3 minutes

\*\*Including inflation, metal detection, buffing, sidewall grinding, laser scan, deflation

## OVERALL DIMENSIONS AND WEIGHT:

Dimension (L x W x H) 3.915mm x 3.083mm x 2.963mm

Weight ~ 8000kg