

# TEKNAMOTOR

## SKORPION 500 REF



### Device description

**Skorpion 500 REF** is a stationary drum chipper designed for chipping different kinds of waste wood products, flat edgings and round timber, and - due to unique feeding system - can process a wastes from weneer production of the width up to 500 mm.

Control system of the chipper operated from the switchbox performs the functions of switching on, operation and overload control, and switching off. Cutting system includes a drum equipped with 2, 3 or 4 knives.

Screen used in the construction of this chipper ensures high regularity in size of the product. The required size of chips can be obtained by adequate configuration of suitable number of knives on the drum and the diameter of holes in the screen.

Feeding material is conveyed to the inlet by an upper, toothed feeding roll and a short chain feeder installed in the place where usually a bottom feeding roll is installed, both driven by independent gear motors. The chipper is driven by electric engine of 45 or 55 kW, and equipped with electronic system of operation control, which automatically prevents overloading of the cutting system by temporarily stopping the feeding.

Skorpion 500 REF can cooperate with both - belt and vibrating systems of loading and conveying.

Collection of chips can be done by a normal, rubber flat belt conveyor or by a suction system.

The basic set of the chipper equipment covers a chipper, a control switchbox, and - on the request - an elevating platform, a loading and collecting conveyor.

Chips obtained from Skorpion 500 REF can be used for direct burning in burners/ovens or as raw material for production of paper, furniture chipboards and, after additional disintegrating in a mill, for production of briquettes and pellets.

### Technical details

#### MODEL

Overall dimensions (length x width x height) [mm]  
Weight [kg]

#### SKORPION 500 REF

2050 x 1300 x 1300 (+400)\*  
2300

No of knives	2 cutting knives + 1 counter-knife 3 cutting knives + 1 counter-knife 4 cutting knives + 1 counter-knife
Feeding speed [running meters/min]	up to 25,5
Chipping capacity [stère meters/h]	up to 20
Chip width [mm]	from 20 to 30 from 15 to 25 from 10 to 15
Dimensions of inlet (width x height) [mm]	500 x 210
Drum diameter [mm]	450
Revolutions of cutting drum [rpm]	630
Feeding unit	belt or vibrating conveyor
Main engine power [kW]	45/55
Power of engine on feeding conveyor [kW]	2 pcs x 2,2
Power of engine on collecting conveyor [kW]	1,5
()* - suport structure	

#### Equipment included:

- control switchbox
- electronic anti-stress system

#### Additional accessories on request:

- loading conveyor
- collecting conveyor
- feeding speed regulation

**Very important remark:** inlet of the machine is 210 mm high, but WE CANNOT PROCESS A SOLID material of such thickness!!!. When working with a solid material, machie can process logs only up to 160 mm, as any other chipper of this model.