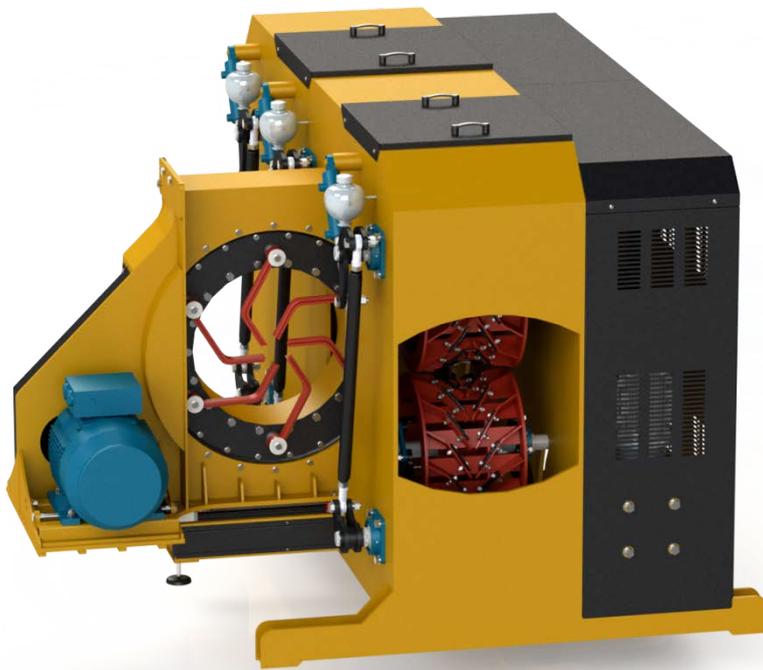


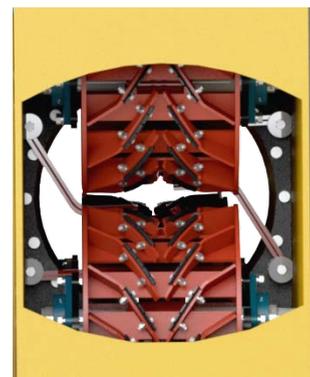
DEBARKER MACHINE SKYWOOD DB-600



Debarker machine **SKYWOOD DB600** is a new machine developed by SKYWOOD and designed to remove bark from logs with a diameter of 100 to 600 mm in the butt-log portion. This machine can be used as part of sawing line and log sorting line, as well as for preparing raw materials for further processing into fuel granules or briquettes.

In the process of developing this machine, designers paid special attention to the main criteria that affect the reliability and durability of the machine.

The machine consists of three pairs of feed rollers, one pair of pull-in rollers and two pairs of pull-out rollers. The feed roll system is equipped with hydraulic cylinders and operates in a closed circuit with a hydraulic accumulator. This system allows to easily adjust the pressure force of the rollers in order to ensure a smooth supply of logs and to avoid turnings.



For reliable long-term operation of the pressure rollers, the hardox wear-resistant steel plates are installed on each of them. If worn out, the plates can be replaced with new ones.

The rotor of the **SKYWOOD DB600** was developed in conjunction with a Canadian company that supplies forged scaffolds with interchangeable carbide cutting blades and carbide edges. Carbide itself is an incredibly strong material, whose service life is 10 times longer than that of an ordinary tool steel.



Carbide edges extend the lifespan of cutter knives, reduce wear, improve debarking quality and, most importantly, protect the cutter knives from mechanical damage.

The rotor of the **SKYWOOD DB-600** debarker has 6 cutter knives with replaceable knives. Each feeder has an individual clamp consisting of a hydraulic cylinder and a hydraulic accumulator. All cutter knives hydraulic cylinders are combined into one closed hydraulic system. The pressure in the hydraulic system and the clamping force of the cutter knives are regulated when the rotor is stopped. For easy maintenance, the rotor of the **SKYWOOD DB-600** is equipped with an automatic extension drive.



The rotor uses a high-quality ball slewing bearing with a polymer separator that does not require constant lubrication, but only periodic service. The machine case **SKYWOOD DB-600** has a welded frame made of thick sheet metal, which is quite heavy, which reduces the level of vibration and noise of the machine.

The **SKYWOOD DB-600** debarker comes with a feed basin with automatic centering of the log. The basin has its own drive. Raising and lowering the basin is carried out by a hydraulic system consisting of hydraulic cylinders and hydraulic accumulators.

TECHNICAL CHARACTERISTICS OF SKYWOOD DB-600

Minimum log diameter, mm	100
Maximum log diameter, mm	600
Rotor clearance, mm	620
Minimum log length, mm	2 200
Feeding speed. m/min	30
Number of cutter knives	6
Main rotor motor, kW	45
Feed basin drive motor, kW	5,5
1-pair of rollers drive motor, kW	5,5
2-and 3 pair of rollers drive motor, kW	7,7
Rotor extension motor, kW	0,55
Weight, kg	9 100

