

# Fixed Rotor Debarker for Small and Medium-sized Logs

VK5048

VK5048HD

VK5062

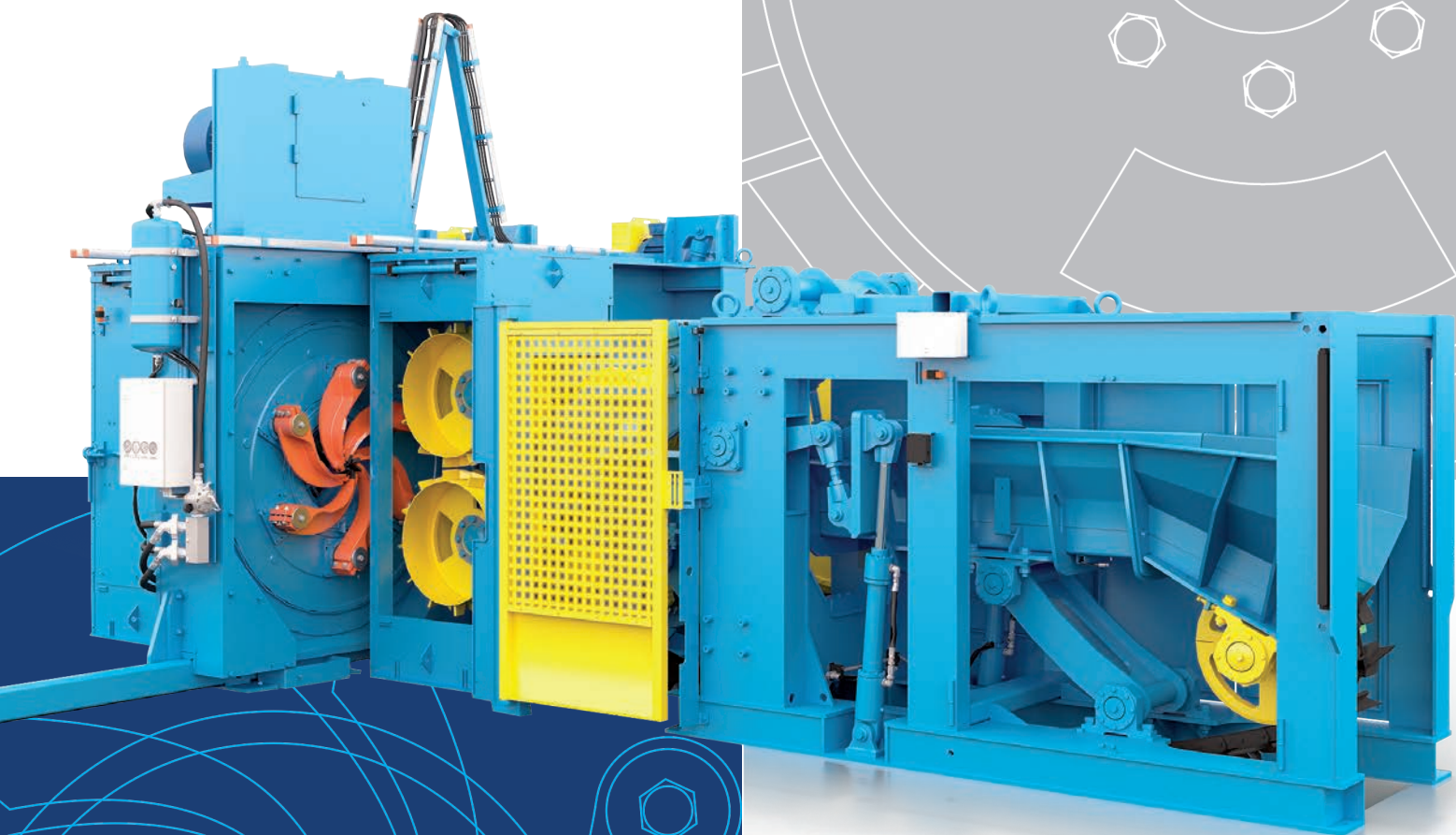
VK5062HD

VK5044HD

VK5056HD

VK5068HD

SL-VERSIONS

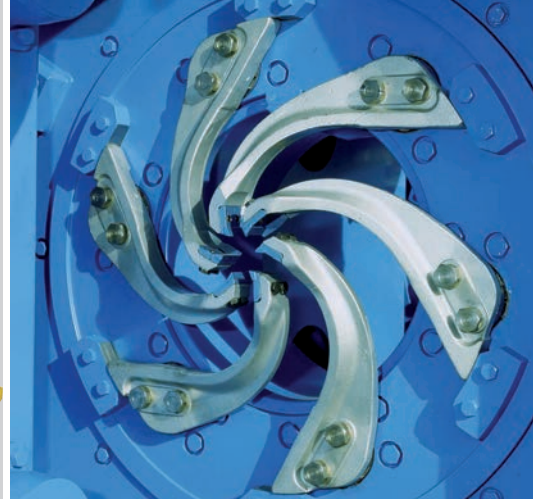
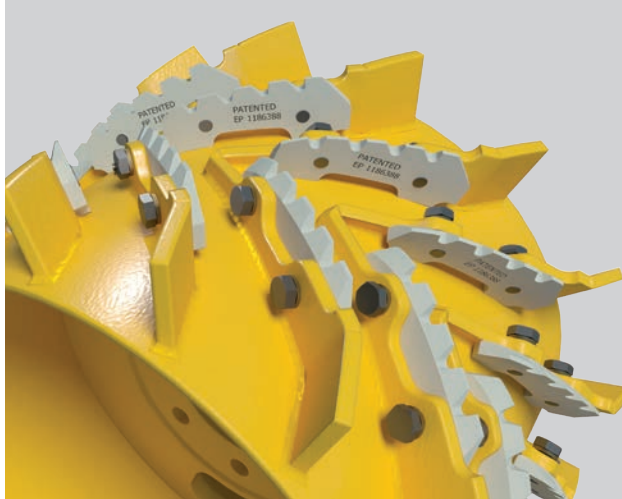


## VK5000-Series

Single-Rotor Debarking



*debarker specialist*



### Debarker for small and medium-sized logs

- New generation VK debarker, designed for modern production needs – VK5000 with a compact frame size (feedroll Ø 58 cm)
- Standard design with 6 feedrolls – a short log version (SL) with 8 feedrolls
- Modular construction allows step by step investment – start with one and complete with two debarking rotors and an inline butt-end reducing rotor
- Rotors with a hydraulic pull-out system – allows easy and safe maintenance

### Basic or Heavy Duty equipment category

- The critical components of power transmission either in Basic or Heavy Duty (HD) category
- Secured log feeding with Basic category components in lower speeds
- HD-versions for high-speed lines – extra strong components as standard
- Two feedroll hydraulic systems available – closed circuit (Basic) or active hydraulic system (HD)

### Centring infeed conveyor

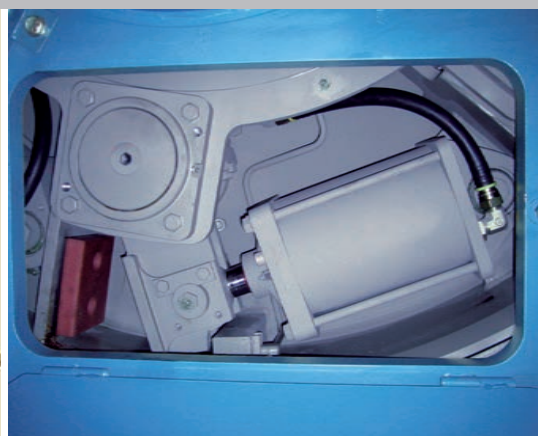
- The conveyor centers logs both in vertical and horizontal and guides them smoothly between the feedrolls – minimal fibre loss
- Equipped with a hydraulic pre-opening system of the pressure roll - improves the log feeding

### Feedrolls with replaceable inserts (FibreMax)

- Three insert models available: flat, and sharpened teeth or spiked
- Allows easy maintenance of feedrolls
- Better grip with no cutting effect on the log surface

### Hydraulic feedroll pressure

- The closed circuit hydraulic system designed for lower speeds comes with a designated cylinder and a pressure accumulator for each roll pair – the working pressure is continuously maintained (Basic)
- High speed debarking requires the active hydraulic system of feedrolls with a dual pressure and Soft Opening – the working pressure starts as the log enters the feedrolls (HD)
- A feedroll pre-staging system is available with the active hydraulic system – guarantees the lowest possible load on the machine and minimal fibre loss (HD)



### Debarking tool pressure

Debarking rotor can be alternatively equipped with:

#### A) Hydraulic tool pressure

- The pressure is created by stretching the rubber spring hydraulically – the pressure level is controlled by a separate pump unit
- Tool arms are made of forged steel – replaceable carbide tool tips

#### B) Pneumatic remote controlled tool pressure

- The pressure is created with compressed air
- The "Air Seal" system enables remote control of the tool pressure during operation
- Automatic opening of debarking tools, when the feeding stops
- Tool arms with a welded construction – replaceable carbide tool tips
- Extra strong components allows high-speed debarking with minimum down-time and operating costs



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