

MV Ring Debarker

MV stands for Modular Versatility!

Feedworks

- ▶ Two triple infeed and outfeed feed roll sets
- ▶ Self-feeding feed rolls linked together in a triangular arrangement and tensioned by individually adjustable pneumatic cylinder
- ▶ Variable speed hydraulic feed roll drive
- ▶ Close-coupled setup for short logs
- ▶ Infeed/outfeed guide rolls accommodate chain or belt conveyors
- ▶ Stress-proof feedworks arms constructed with precisely machined welded steel housing, high-capacity roller bearings, steel drum feed rolls with welded steel spikes
- ▶ High-torque/low pressure hydraulic drive that easily compensates for a log's momentum when it reaches the feed rolls - shock load transfers to the hydraulic fluid, not the mechanical components

Rotor

- ▶ Conventional rotor (adjustable bearing) has 3 tensioning options:
 - Air bags with canisters: one piece standard double-convoluted air bags combined to low inertia actuator components
 - Spider: tool tensioning with rubber bands
 - Hydraulic cylinders: tool tensioning uses combined hydraulic cylinders and rubber bands
- ▶ Air-seal rotor (adjustment-free bearing) with full remote control tool tensioning system
- ▶ Regular configuration with single or double rotors of identical or different diameters
- ▶ Extended configuration with double, triple or quadruple rotors of identical or different diameters.

Frame

- ▶ Fatigue resistant and perfectly aligned modular assembly consisting of CNC-machined heavy steel plates and high-strength steel tubing
- ▶ Debris-containing frame with large access doors
- ▶ Left or right sliding box-type rotor module for easy access

MV Debarker Model	18"	24"	30"
Maximum feed rate ⁽¹⁾	325 fpm	260 fpm	200 fpm
Minimum log diameter	1¾"	2½"	3"
Feedworks drive type	hydraulic	hydraulic	hydraulic
Feedworks drive (hyd.)	2 x 25 HP	2 x 25 HP	2 x 25 HP
Rotor drive (TEFC)	60 HP	75 HP	100 HP
Approximate weight	21,000 lbs 9,500 kg	35,000 lbs 15,900 kg	40,000 lbs 18,200 kg

(1) Feed rate varies with conditions (species, temperature, etc.).

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Sliding rotor drawer



Air bag canister tool tensioning system



Pneumatic tensioning of feed rolls

Rugged – Dependable – Economical

Millwide. Worldwide.

USNR

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