



# THE MOST EFFICIENT SOLUTIONS FOR HIGH SPEED LOG DEBARKING



VALON KONE – DEBARKER SPECIALIST



## TRUST IN OUR EXPERIENCE AND KNOWLEDGE GAINED OVER MANY YEARS

Valon Kone Oy (VK) is a well-established Finnish company who specializes in the development and production of ring debarkers, along with butt reducing equipment. Our customers are located worldwide and are mainly LVL and plywood manufacturers and sawmills.

VK offers a solution for all debarking projects in locations where the logs can be fed into the debarker one at a time. Whether it concerns a small plant or a high-speed production plant, VK can deliver a suitable machine from its extensive product range for our customers' needs, regardless of conditions and wood species. This is proven by thousands of satisfied customers worldwide.

Over 60 years' experience in developing ring debarkers guarantees that Valon Kone is today's world leader of ring debarkers. Behind the success is a skilled workforce and continuous investments in quality, research and development, as well as modern manufacturing technology. A close relationship with our customers enhances product development. VK is known as a pioneer in the ring debarking technology.

VK's worldwide sales and agent network enables close cooperation with customers ensuring that they receive the best possible support from Valon Kone and the most efficient solutions in all situations – no matter where the customer is located.

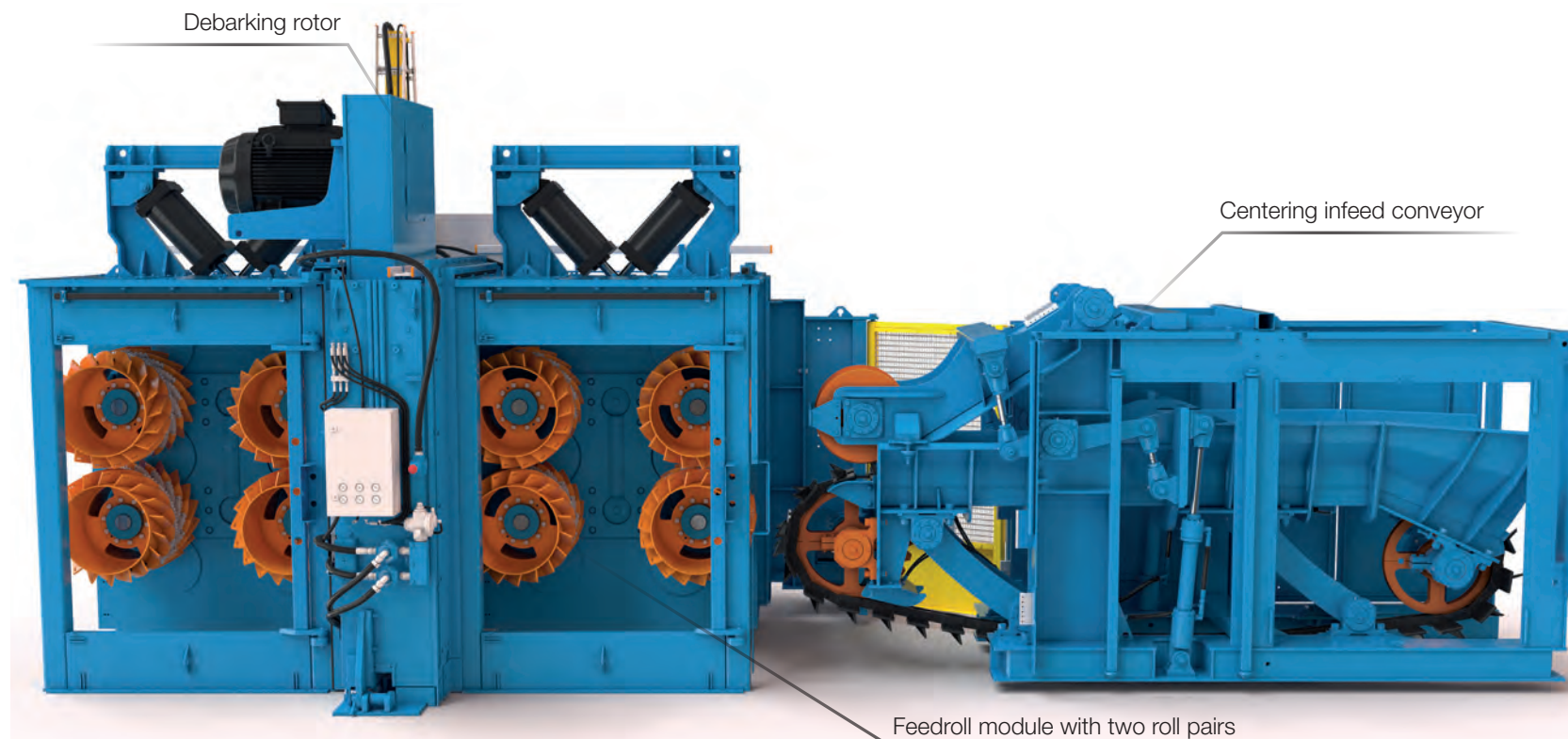


# KODIAK DEBARKER HIGH SPEED DEBARKING WITH UNPARALLELED UPTIME

The high speed **Kodiak Debarker** produces the results that our customers demand.

Our design philosophy focuses on safe operation, robust construction, maximum uptime and excellent debarking results.

- Kodiak debarkers are capable of removing bark from various log species in North America.
- Kodiak debarkers offer feedspeeds up to 600 ft/minute for high speed sawing lines.



## Rotor

- Five rotor sizes available: 17", 22", 27", 32" and 36"
- Debarker tool arms are fabricated from Astralloy® for strength and durability
- Straddle mounted 4-inch tool shaft - eliminates overhung loading
- Bellcrank machined out of solid steel - no breakage
- Valon Kone unique Air Seal design for high speeds and fast response times
- Rebuildable carbide tool tips - available in 3", 3.5" & 4" widths
- High quality tool arm cylinders for fast response time and durability - can be rebuilt over time
- Dual row rotor bearing for high speeds and long life

## Feedworks

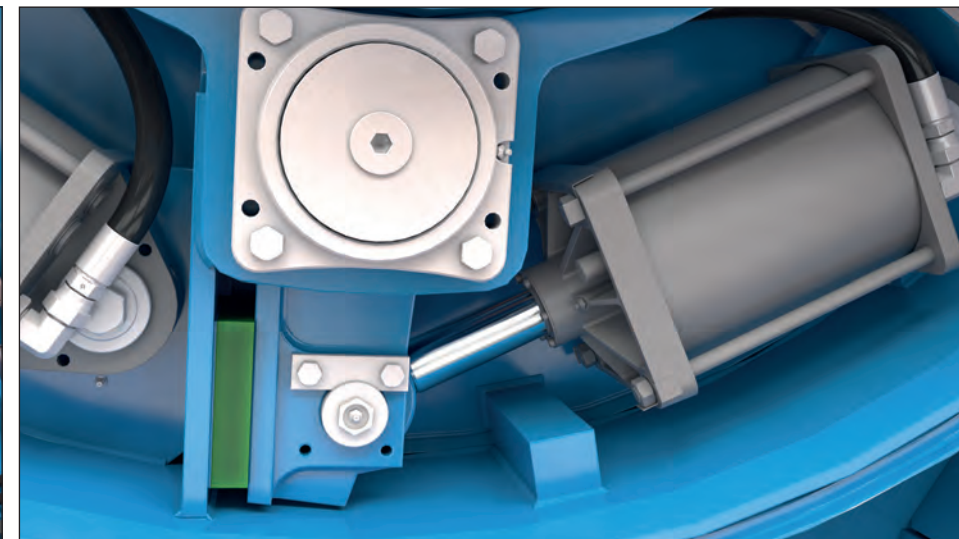
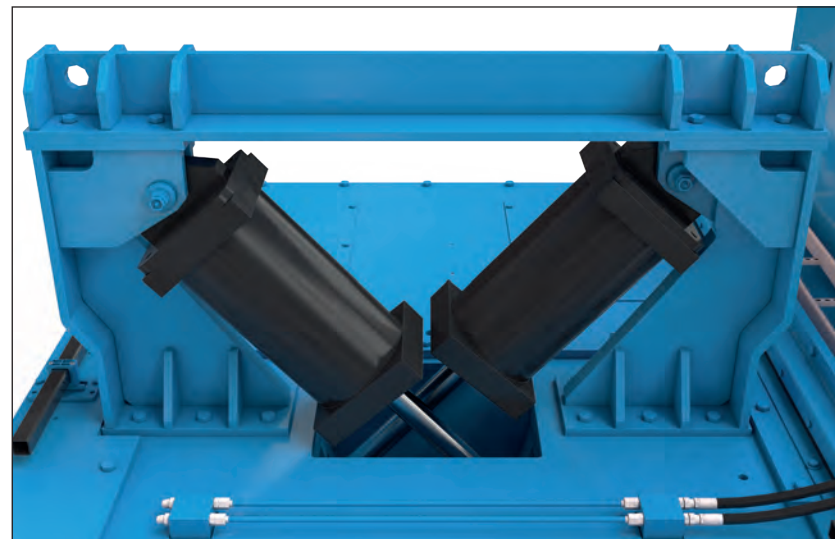
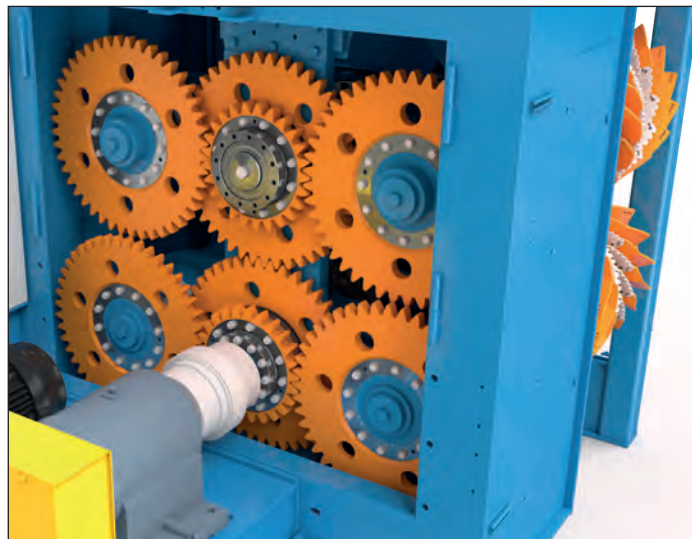
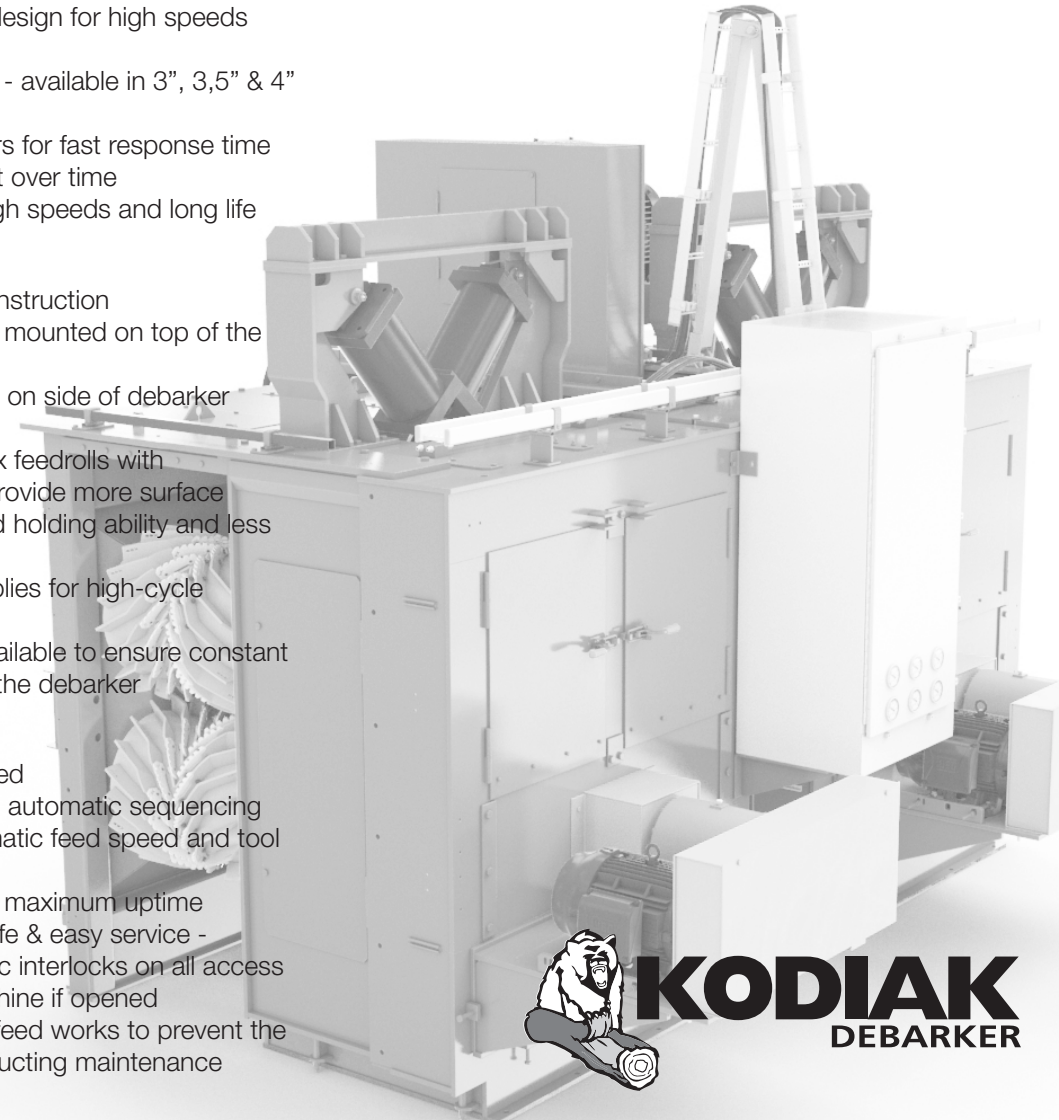
- Durable high quality plate construction
- Feedroll pneumatic cylinders mounted on top of the frame - safe access
- Direct feedroll drive mounted on side of debarker frame - safe access
- New large diameter FibreMax feedrolls with replaceable bolt-on inserts provide more surface contact on the log. Increased holding ability and less damage to log fibre
- Robust feedroll pivot assemblies for high-cycle applications
- Automatic grease system available to ensure constant lubrication without stopping the debarker

## Controls & Safety

- Sample PLC program supplied
- High speed applications with automatic sequencing
- Diameter scanning for automatic feed speed and tool pressure selection
- Smooth control functions for maximum uptime
- Large access doors allow safe & easy service - proximity sensors and electric interlocks on all access doors to shut down the machine if opened
- Manual locking bolts on the feed works to prevent the rolls from moving while conducting maintenance

## Centering infeed conveyor (Optional)

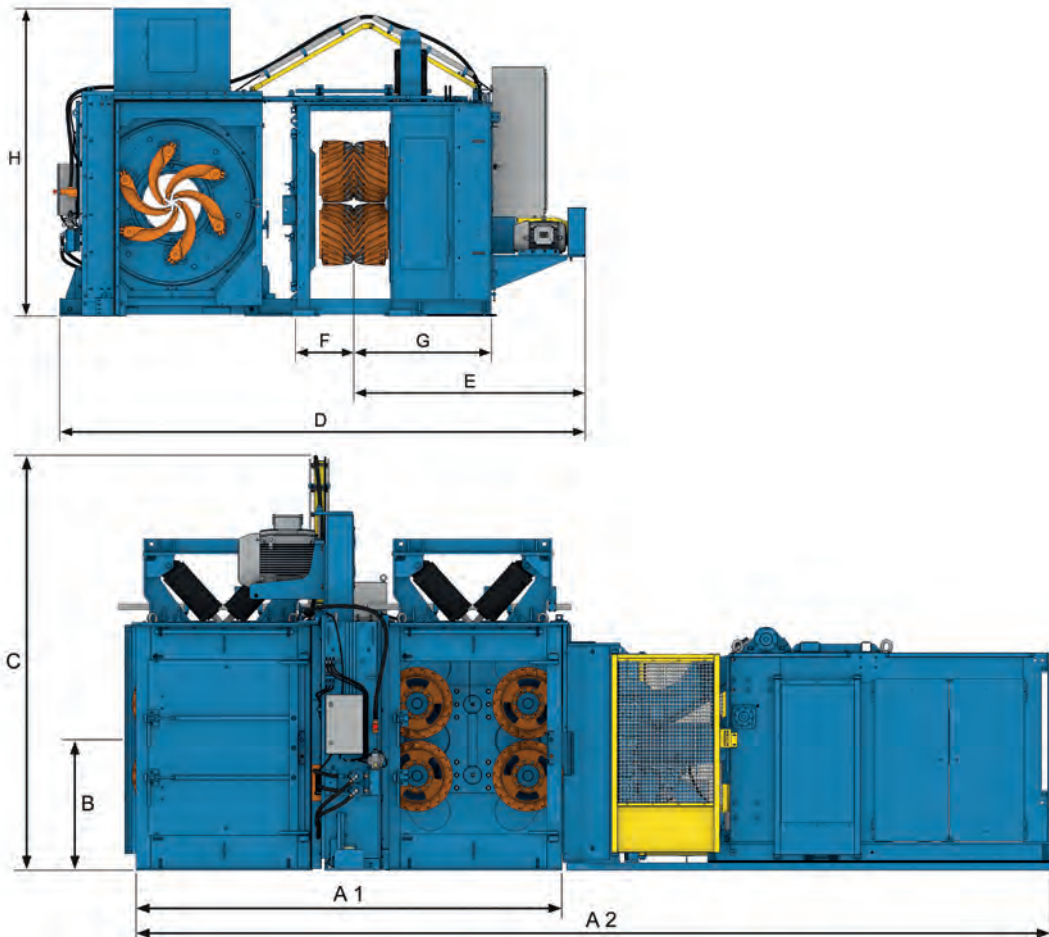
- The self-centering VK-centering infeed conveyor feeds logs smoothly to the center of the debarker on both X and Y axis - allows for ribbon feeding
- New generation VK-conveyor with even more robust construction for high speeds - access doors on both side for safer operation





# KODIAK DEBARKER

## TECHNICAL SPECIFICATIONS



MACHINE SIZE	617	622	627	632	636
A1	140	150 1/2	169	174	202
A1 (Tandem)	222	240 1/2	268	273	318
A2	316	343	363	368	424 1/4
A2 (Tandem)	398	433	462	467	540 1/4
B	45 1/4	48 3/4	51 3/4	51 3/4	60 1/2
C	121	153 1/2	163	163	192
D	199 1/2	219 1/4	241	244	273
E	90 1/2	93 3/4	106 1/4	106 1/4	111
F	25	25 1/4	28 1/4	28 1/4	36 1/2
G	51 1/2	55 3/4	65 1/4	65 1/4	69 3/4
H	121	132	140 3/4	144	165
Diameter range	3"-17"	3"-22"	3 1/4"-27"	4"-32"	4"-36"
Min. log length	6'	6'9"	7'	7'	8'2"
Rotor HP	75	100	100	125	125
Feedworks HP	2 x 20	2 x 25	2 x 25	2 x 25	2 x 30
Weight Lbs.	39,050	53,473	71,187	73,855	92,225
Weight Lbs. (Tandem)	64,771	89,045	116,139	121,475	135,969

Specifications subject to change without further notice.



## AFTER SALES GUARANTEES THE PERFORMANCE

Valon Kone's worldwide After Sales service network helps to ensure trouble-free operation of your debarker at all times. Valon Kone have offices worldwide and, through its agents, ensure customers receive the best after sales care possible. Thanks to this widespread network, quick spare part deliveries and solutions for trouble shooting can be ensured all over the world.

**VK's maintenance services cover everything your debarker may require:**

- Machine optimization (debarking quality and machine operation)
- Diagnostics, repair advice and machine repairs
- Tool arm and tip maintenance and repairs
- Preventative maintenance programs and training
- Annual and periodical service programs
- Personnel training (maintenance and operation)

Valon Kone supplies spare parts for new and old VK debarkers. In addition, different kinds of retrofit packages are available for many machine models. We want to provide the best care for your VK debarker throughout its entire lifespan.

## CONTACT US.

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