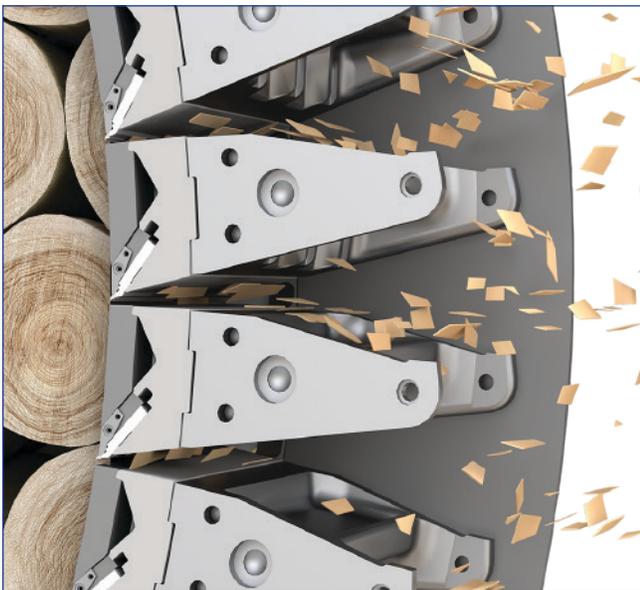
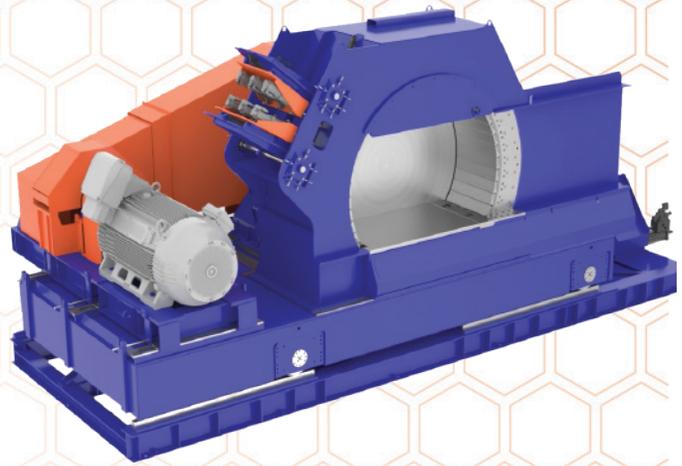


Gen 1 SmartRING Strander

Models 28/81 and 32/88

The Gen 1 SmartRING Strander cuts tree length or batch fed logs into strands for OSB production. Logs are clamped in place while the carriage mounted Strander extends into the cutting chamber. Knives mounted within the inner periphery of the ring strand the logs contained within the chamber.



Kadant Carmanah's disposable knife system (DKS) is proven to increase strander utilization by as much as 2%.



The automated nutrunner system ensures positive clamping for safe operation and consistent strand quality.

Features

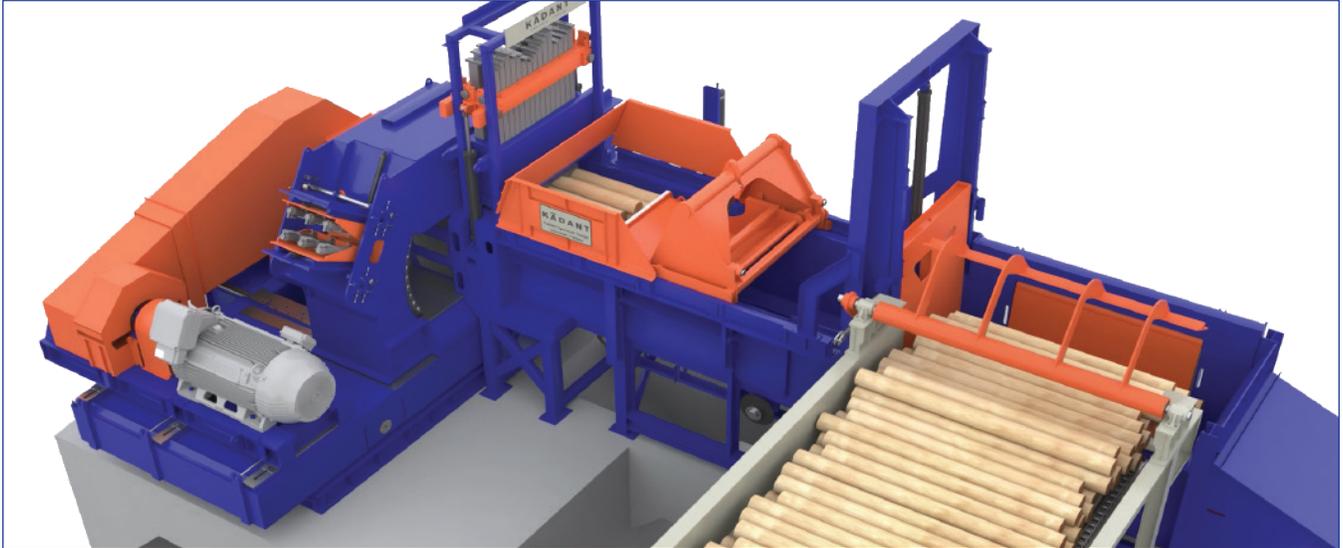
- Patented automated cutting speed feedback
- Patented ring removal method
- Automated knife clamping/release and removal
- Patented disposable knife system
- Automated safety anvil sensor

Benefits

- Consistent strand quality due to real time motion adjustment
- Ring change outs completed in less than 10 hours
- Reduce the likelihood of improperly installed knives
- Increased knife life and improved strand thickness
- Maximize the safety of the machine

Gen 1 SmartRING Strander

Models 28/81 and 32/88



Pair the Gen 1 SmartRING Strander with our double-pusher batchfeeder system to maximize throughput on cut-to-length logs.

OPERATIONAL ADVANTAGES:

- ✓ Simplified Procedures
- ✓ Automated Controls
- ✓ Long-Lasting Components
- ✓ Low Maintenance
- ✓ Built-In Safety
- ✓ Low Operating Costs
- ✓ High Fibre Recovery
- ✓ Consistent Strand Quality

PLUS:

- ✓ Fully Compatible with ARGUS Smart-Connected Technologies



Cycle Times in Seconds for 0.65mm Thick Strand

Model No.	Load & Clamp	Cutting	Return	TOTAL
28/81 Gen 1	4.1	10.2	4.0	18.3
32/88 Gen 1	4.6	11.0	4.3	19.9

Machine Specifications

	Model No.	No. of Cutting Knives	Capacity *	Ring Speed	Ring & Arbor Rotating Inertia (wk ²)	Motor Size **	Weight
METRIC	28/81 Gen 1	44 knives	27,300 kg/hr OD	370 rpm	13,200 kg-m ²	900 kW to 13,500 kW	54,000 kg
IMPERIAL			60,000 lbs/hr OD		313,200 lb-ft ²		
METRIC	32/88 Gen 1	48 knives	34,000 kg/hr OD	334 rpm	17,500 kg-m ²	1,100 kW to 13,500 kW	60,000 kg
IMPERIAL			75,000 lbs/hr OD		415,300 lb-ft ²		

* Capacity based on Aspen with SG of 0.420 and a strand thickness of 0.65mm.

** Motor size depends on species of wood; consult Kadant Carmanah for more information.

Dimensions are for reference only and subject to change

www.kadantcarmanah.com

Kadant Carmanah is a global supplier of high-value, critical components and engineered systems used in process industries worldwide

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Gen 1 SmartRING Strander-1003 (US) 05/2023
Replaces all previous versions
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