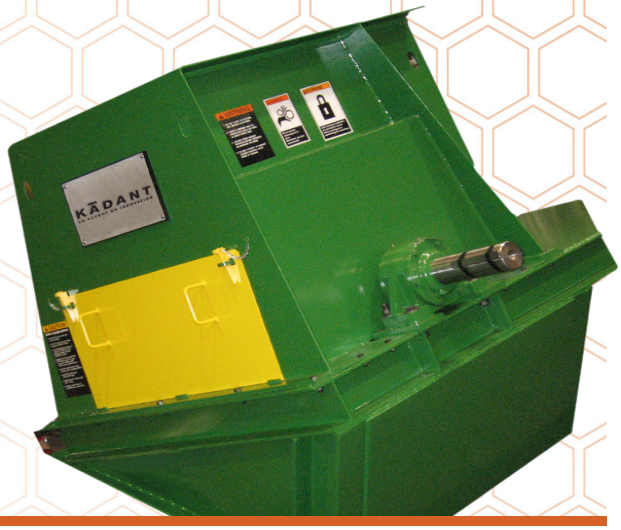
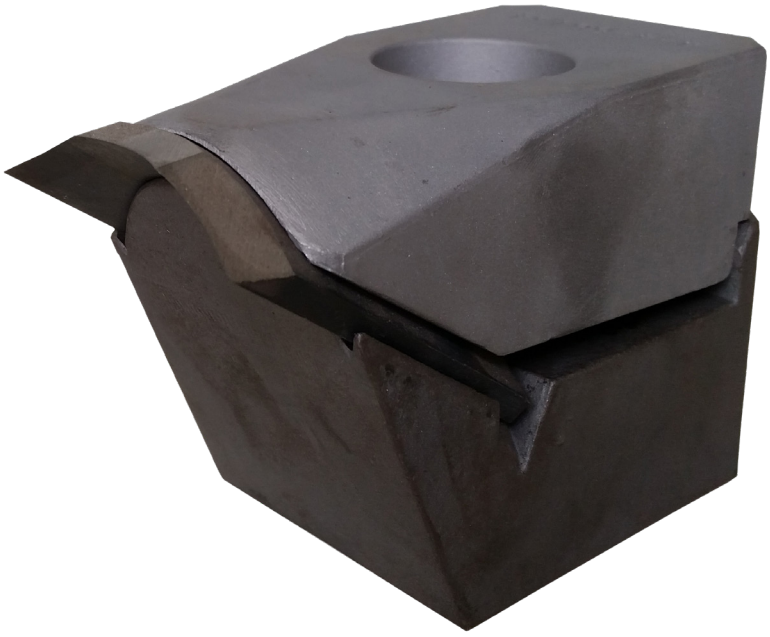
Lily Pad Chipper

The Kadant Carmanah Lily Pad Chipper is designed to achieve high chip recovery when processing log ends where the diameter is greater than the overall length – this material is also known to some as lily pads.





Unique, 3-edged knife yields a clean cut chip on all 4 edges.

Engineered to Perform

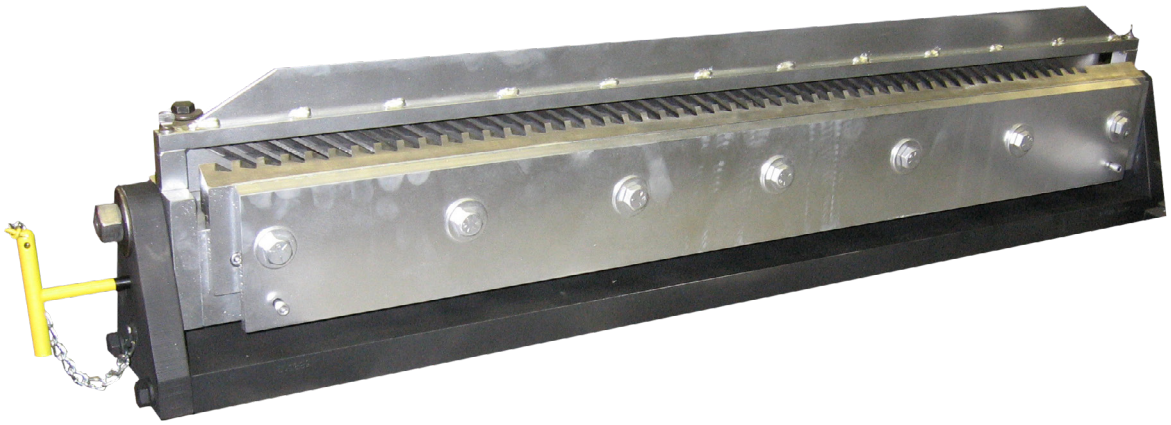
The drum and spout assemblies of the Kadant Carmanah Lily Pad Chipper are inclined 30-degrees toward the infeed flow. Incoming lily pads, laying flat on the infeed conveyor, ride over the conveyor end and slide down the inclined inside wall of the hopper. This orientation provides a stable position for the chipping to begin which yields high recovery rates from lily pads.

Efficient, Clean Chipping

The Kadant Carmanah Lily Pad Chipper utilizes many small individual knives arranged in a spiral around the drum surface. The knife cutting edge is basically parallel to the wood grain, similar to the cutting done by a veneer lathe. With this type of cut, the energy required to produce a given volume of chips is up to one-half of what is normally required by conventional disc chippers. Further, cutting parallel to the grain results in lower chipper noise level.

Features	Benefits
• Inclined Drum	• Provides stable position for lily pads to be processed
• Strong, rigid steel fabrication	• Designed to last
• Chipping is substantially parallel to the grain	• Less HP required than disc chippers or knife hogs
• 3-edge knife cuts chip cleanly on all 4 surfaces	• No Chip bruising

Lily Pad Chipper



Knife grinding fixture supplied with every Lily Pad Chipper.

	Model No.	Drum Dia.	Speed	No. of Knives Single Spiral		Normal Average Capacity	Normal Power Required			Rotating Inertia (wk^2)	Weight
				19 mm (3/4 in) Chip	25.5 mm (1 in) Chip		Soft Wood	Hard Wood	Max.		
METRIC	38x1-8	965 mm	335 rpm	27	20	10 m^3/hr	45 kW	55 kW	75 kW	740 kg/m^2	2,175 kg
IMPERIAL		38 in				353 ft^3/hr	60 hp	75 hp	100 hp	4,400 lb/ft^2	4,800 lbs
METRIC	38x2-6	965 mm	335 rpm	41	30	15 m^3/hr	75 kW	90 kW	110 kW	1,100 kg/m^2	3,175 kg
IMPERIAL		38 in				530 ft^3/hr	100 hp	125 hp	150 hp	6,600 lb/ft^2	7,000 lbs
METRIC	55x2-3	1370 mm	335 rpm	36	27	16 m^3/hr	90 kW	110 kW	150 kW	3,700 kg/m^2	5,000 kg
IMPERIAL		54 in				565 ft^3/hr	125 hp	150 hp	200 hp	22,000 lb/ft^2	11,000 lbs
METRIC	55x3-6	1370 mm	335 rpm	56	42	25 m^3/hr	110 kW	150 kW	185 kW	4,500 kg/m^2	7,250 kg
IMPERIAL		54 in				883 ft^3/hr	150 hp	200 hp	250 hp	26,900 lb/ft^2	16,000 lbs
METRIC	72x3-6	1830 mm	335 rpm	56	42	32 m^3/hr	150 kW	185 kW	225 kW	8,400 kg/m^2	10,425 kg
IMPERIAL		72 in				1,130 ft^3/hr	200 hp	250 hp	300 hp	50,000 lb/ft^2	23,000 lbs

Capacity and power figures are guidelines only; consult Kadant Carmanah Design for accurate and site-specific figures.

Dimensions are for reference only and subject to change

KADANT CARMANAH DESIGN
Unit #8 - 15050 - 54A Aveune
Surrey, BC, Canada V3S 5X7

KĀDANT | Carmanah

Tel: +1 604-299-3431 Email: info.carmanah@kadant.com

Lily Pad Chipper-1001 (US) 04/2022
Replaces all previous versions
©2022 Kadant Carmanah Design