

# Sawmill Equipment

By Morbark



7 x 14 Screen with belt conveyor



640 Debarker



Stationary Chipper



PSE Stationary Post Feeder



# History

## The Morbark Story

### *Where it all began...*

From a simple blacksmith shop to a 1.5 million square foot manufacturing complex. From two workers to over 600 employees. From one product to hundreds of heavy equipment designs. These are some of the important milestones in the remarkable history of Morbark.

The year was 1957 when Norval Morey, a local sawmill operator, took the first risky step into manufacturing armed with a patent for a portable pulpwood debarker. The Morbark Debarker Company was born that year, and nobody in Winn, Michigan could have predicted what would happen over the next five decades.

Morbark has not forgotten its roots in sawmill equipment. Morbark offers a full line of dependable, heavy-duty debarkers, chippers, peelers, screens, conveyors, and much more. We can also assist in the complete layout of your mill. Morbark's sawmill specialists will discuss your challenges and work together with you to create custom equipment to fit your sawmill needs.

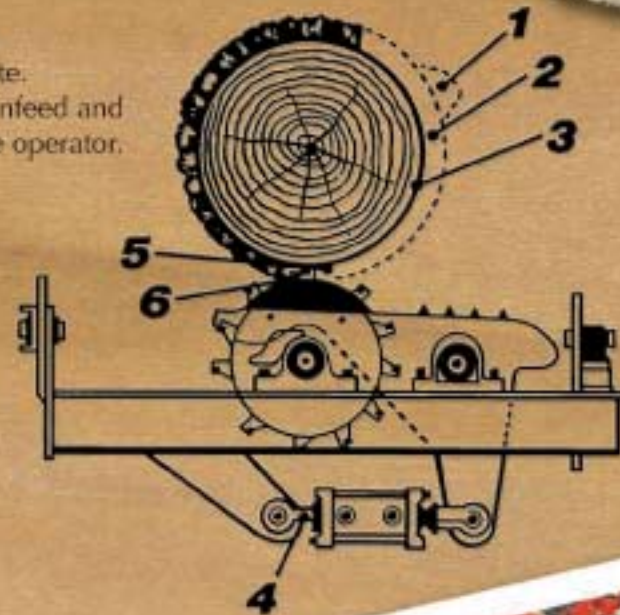




# The Morbark Debarking Principle

It's not a ring. It's not a Rosserhead. The Morbark debarker features a floating cutterhead operating beneath the log. The Morbark Cutterhead is simple and easily controlled to give an exact cutting depth. The debarker allows for positive control of bark removal to within 1/16". It is the only debarker in the industry that will remove bark, nubs and knots from the densest hardwoods or the softest softwoods and in any climate. Bark, nubs and knots are swiftly removed while spiraling the log forward on an infeed and outfeed shoe. The spiraling speed is variable and is at all times controlled by the operator.

1. Knot on log is removed by the cutterhead.
2. Outer bark of log.
3. Cambium layer (inner bark).
4. Shows position of cylinder shaft partially closed and its relative adjustment for the proper height of the radius of shoe insert.
5. Here the depth of cut is shown, which is just removing the outer bark of the log, together with nubs and knots. This is the ideally adjusted depth of cut, which leaves as much of the inner layer of bark as possible, and results in no fiber loss.
6. Shows the position of shoe insert radius in a proper height of a desirable depth of cut setting.



## Nubs & Knots removed

With knots and nubs removed, hang-ups in any mill flow system are reduced. Production is increased with all types of sawrigs, especially scrag and gangsaws. A Morbark debarked log is especially important to a veneer mill because the log has a relatively smooth surface increasing efficiency of the veneer machines.





# 640 Debarker

The Morbark 640 Debarker is a multiple purpose debarker that can be utilized in chip plants and sawmills and will accept soft woods, hardwoods, small and large logs. The 640 has speed to debark small logs and power to debark large logs.

The Morbark principle of debarking spirals the log across a carbide-tipped cutterhead. Since logs vary in diameter, Morbark has incorporated a spiral adjustment on the back feed wheel. This allows the operator to reduce the degree of spiral on large logs and increase the spiral on small logs to achieve maximum production.

Additional speed can be obtained if the 640 is debarking material less than 20" in diameter. If only material below 20" is to be debarked, the degree of spiral can be changed to 16" increasing the lineal feed rate to range from 60 lineal feet to 95 lineal feet per minute.

## Auxiliary Hydraulic System

The 640 is equipped with a 50-HP motor base and belt drive to accommodate an auxiliary electric motor to operate the hydraulic system. The infeed and outfeed conveyors, feed wheels, log kickers and adjustable cutterhead shoe are all operated from the debarker's hydraulic system. It may also be used to operate a live deck with stop and loader feeding the debarker, a deck carrying material away from the debarker and a bark conveyor to remove bark and debris from underneath the cutterhead. The cutterhead is powered with a separate motor.

## Features

**Power:** 50 & 100 HP electric motors (diesel power available)

**Production:** up to 95 feet/minute

**Capacity diameter:** 6" - 40" (640)

**Capacity Length:** up to 50' in length

**Conveyors:** Trough type infeed and outfeed - std 25' conveyors (640)

**Debarker:** Patented Morbark system floating cutterhead

**Operator's Console:** Standard (640)

**Length:** With 25' infeed and outfeed: 53'1" (640)

**Weight:** Debarker center section 10,000 lbs. (640)





## Trough-Type Outfeed

The trough-type outfeed conveyor is variable in length up to 80'. Multiple automatic or manual operated kickers are available to kick in either direction to provide for sorting of peeled logs or feeding more than one headrig. Fabricated from 5/8" formed plate steel with 3/8" gussets, additional trough can be furnished, so the outfeed of the debarker can be used to feed directly into a chipper in roundwood chipping applications.

## Features

An important feature of the 640 Debarker is that both the front and back yoke assemblies are adjustable, allowing the operator to properly center either large or small diameter sawlogs on the center of the cutterhead. This means the log will turn easier, increasing debarking efficiency for large and crooked material. The back yoke assembly hinges and is operated hydraulically from the operator's cab. Two hydraulic cylinders can move it forward or backward.

10,000 series Char-Lynn hydraulic motors power the feed wheels assuring the debarker plenty of power to turn big and rough material. The hydraulic system has been engineered with proper reliefs to reduce or eliminate shock load to all working parts of the machine. This will keep downtime and maintenance costs to a minimum.

## Trough-Type Infeed

A trough-type all steel infeed conveyor fabricated from 5/8" formed plate steel with 3/8" gussets is equipped with Morbark's exclusive all-steel welded track-type chain which carries the logs to the cutterhead. The infeed can be fed from either side of the debarker. Length of infeed is variable up to 80'. The standard Morbark debarker is equipped with a 25' infeed.





# 628 Debarker

The 628 Debarker was developed to debark logs from 6" to 28" in diameter. Using the patented Morbark Debarking Principle, the 628 features a floating cutterhead and variable speed feed rate that not only removes bark, but nubs and knots from both hardwood and softwood.

The 628, like other models, will also debark stringy-barked species, such as cedar and cypress, with ease. Frozen or dirty logs are also effectively debarked by the 628, making it ideal in northern freeze/thaw, and other less than ideal conditions.



## Features

**Power:** 50 & 100 HP electric motors (diesel power available)

**Production:** up to 100 feet/minute

**Capacity diameter:** 6" - 28" (628)

**Capacity Length:** up to 40' in length

**Conveyors:** Trough type infeed and outfeed  
- std. 20' conveyors (628)

**Debarker:** Patented Morbark system floating cutterhead

**Operator's Console:** Optional (628)

**Length:** With 20' infeed and outfeed: 44' (628)

**Weight:** Debarker center section 9,000 lbs. (628)





# Rosserhead Debarkers

## Models 642 & 648

Morbark's Rosserhead Debarker incorporates the best features found on the market today, all in one heavy-duty unit. Among those features are hydraulically controlled down pressure on the debarking head, hydraulically controlled carriage, deluxe operator's cab and tapered depth shoes.

The hydraulic system is capable of handling additional equipment such as live decks, waste conveyors, log troughs and metal detectors. The Morbark Rosserhead Debarker is controlled with an operator console that is separate from the debarker, which reduces operator fatigue. The TEFC double-ended motor offers better control of the head and the motor-to-head arrangement offers easier belt changing and keeps debris out of the belts.

## Features

**Log diameter range:** 6" to 48" (648), 6" to 42" (642)

**Maximum log length:** 20' long will pass 24'

**Debarking head drive motor:** 50 HP TEFC double end

**Log rotation wheels:** 6 sets, 25" diameter, 2" thick

**Log rotation shafts:** 3 7/16" with Anson bearings

**Log kicker arms:** (6) 1 1/2" thick on a 3 7/16" shaft

**Hydraulic unit:** 30 HP TEFC with 112 gallon tank and double pump with variable speed control for log rotation and carriage traverse

**Debarking head control:** hydraulic raise and lower with accumulator and adjustable down pressure

**Hydraulic adjustable depth control:** dual tapered depth shoes

**Machine weight:** 26,320 lbs. (648)

**Machine weight:** 24,060 lbs. (642)





## PSP Post & Pole Peeler

Morbark builds four distinct models of peeling machines for the post and pole market. All of these peelers utilize a split peeling head with carbide tipped cutterhead teeth to first remove bark and knots; planer knives provide a smooth surface with only one pass through the machine. All Morbark peelers debark stringy barked material such as cedar and cypress.

One operator controls the entire peeling operation including the infeed, the infeed decks, the peeling mechanism, the outfeed and the outfeed kickers.



### Features

**Power:** Electric, diesel, or PTO

**Production:** Up to 40 fpm

**Capacity diameters:** 3" to 12", length: 6' to 25'

**Weight:** 11,000 lbs. (approx.)

**Length:** 25' infeed + outfeed will accommodate 30' material

**Width:** 10'

**Height:** 8' w/blower, 7'2" w/o blower

**Discharge options:** bark auger and blower, barn sweep

**Debarker type:** split cutterhead debarks, then planes surface

Peels logs from 6' to 25' in length and from 3" to 12" in diameter



# PS8 Post Peeler

The PS8 is available in either stationary or portable models and will peel posts from 3" to 12" in diameter and 6' to 12' in length.

The PS8 is a productive machine and will peel up to 2000 eight foot posts in an eight hour shift. This unit can be made to accommodate longer lengths by providing infeed and outfeed supports. The portable unit is equipped with an auger and blower for bark disposal. An automatic outfeed is available for the stationary units to transfer and index posts onto a transfer chain or bunk.

## Features

**Power:** Electric, diesel, or PTO

**Weight:** 4,200 lbs.

**Transport:** stationary or portable

Peels posts from 3" to 12" in diameter and 4' to 12' in length

**Production:** Peel up to 2000 - 8 foot posts in an 8 hour shift

**Discharge:** bark auger and blower

**Debarker type:** split cutterhead debarks, then planes surface





# C Series Debarkers | Long Pole Peelers

The Constellation "C" series debarker will debark logs from 4" to 24" in diameter and up to 70' in length. Using the Morbark principle of debarking, the "C" series is effective in debarking hardwood and softwood, including stringy, barked species, making it a popular machine in cedar mills.

The "C" Debarker uses the straight line Morbark debarking approach. To process logs end to end, a unique infeed rollcase allows the operator to load a log onto the infeed table while another log is being debarked. This Debarker is built with hourglass rollcase type infeeds and outfeeds. The length of infeed and outfeed varies depending on the length of material needing to be debarked. The infeed and outfeed are hydraulically driven with 2-way kickers being provided in the outfeed. Pegged wheels on the infeed side of the machine grip the log before the bark is removed. A rubber tire-type feed wheel is provided on the outfeed side of the machine to protect the finished surface. All functions are controlled from the operator's cab. The machine's hydraulic system is sufficient to provide auxiliary power for most infeed decks and debarker waste conveyors.

This unit is generally used in barn pole, fence post and log home industries.

## Long Pole Peelers

The LP Series is a high speed long pole peeler that peels at approximately 30' per minute. One operator controls the entire peeling operation including the infeed, the peeling mechanism and the outfeed. The LP will peel poles from 5" to 22" in diameter and up to 75 feet long.

**Optional Equipment:** Electric or diesel drive • Hydraulic adjustable infeed post • Pole assistors with and without power • Operator's console • Operator's cab

## Features

### C-Series Debarkers

**Power:** 75-100 HP electric (diesel power available)

**Production:** 30 feet/minute (peeling)

**Capacity (diameter):** 4" to 24"

**Capacity length:** 8' to 70'

**Infeed/outfeed:** 8' to 70' lengths

**Debarker:** patented Morbark System floating cutterhead

**Operator's console:** optional

Constellation "C" series Peeler will debark logs from 4" to 24" in diameter and peel logs 4" to 16" in diameter.

**Series includes:** C-8, C-12, C-16, C-24, C-40, C-50, C-60, and C-70



## Features

LP-50 - for up to 50' poles with 45' infeed/50' outfeed

LP-60 - for up to 60' poles with 55' infeed/60' outfeed

LP-70 - for up to 70' poles with 65' infeed/70' outfeed

### Standard Equipment

- Split cutterhead - carbide tipped cutter teeth on first half of head. Planer knives on the second half.
- Peeler mechanism including planer type cutterhead with rubber tired outfeed wheel
- Support legs
- 10,000 series Char-Lynn hydraulic drive
- Infeed roll 67" long solid roll with infeed groove with 2-7/16 shafts
- Outfeed 42" long hourglass roll with 2-7/16" shafts on 5' center with 2 way manual infeed and outfeed built in 30' kicker section



# Chip-Pacs

## 48" & 58"

The Morbark Chip-Pac combines screening, chipping and chip loading into one self-contained "package". Morbark chip screens are proven high capacity machines that separate overs and fines from acceptable chips. The Morbark chip screens employ steel torsion rods for the oscillating action versus ball joint and tie ends used by other manufacturers. Ball joint and tie rods tend to be costly replacement items. Morbark screens utilize only three (3) bearings compared to eleven (11) bearings used by other manufacturers. The flexible rods on the Morbark screens rarely fail, whereas the knuckle joints on competitive screens need to be replaced periodically.

Morbark offers a 10-HP, 30-HP and 40-HP chip blower with 48" or 58" chip-pacs. The heart of the Morbark Chip-Pac is the rugged Morbark chipper. The Morbark Chip-Pac is extensively used to chip sawmill waste.

The Morbark chip screen is located over the chipper and takes up very little floor space. This also allows overs to slide on a fixed pan back to the chipper spout. The fixed pan is attached to the chipper spout, not to the screen. The chip discharge can be located either on the

left or right side of the unit, allowing the fines blower and chip loading unit to be located accordingly on either side. An optional 3-HP fines blower is also available.

### Features Rotary Screens

	5x5	6x6
HP	2@1200/RPM	2@1200/RPM
Screen RPM	220	220
Capacity (Tons Per Hour)	6	9
Width	70"	87"
Depth	101"	120"
Height	92"	105"
Weight (Lbs.)	3,900	4,400



### Features

#### 58" Chip-pac

**Power:** electric or diesel  
**Horsepower:** 75 HP to 250 HP  
**Capacity (dia.):** 15"  
**Knife options:** 3, 4 or 6 knives  
**Weight:** 15,640 lbs.  
**Width:** 88" **Depth:** 87"  
**Height w/cyclone:** 146"  
**Space required:** 155" to 110"  
**Screen size:** 6' x 6'  
**Foundation:** Cement slab

#### 48" Chip-pac

**Power:** electric or diesel  
**Horsepower:** 75 HP to 150 HP  
**Capacity (dia.):** 11"  
**Knife options:** 3, 4 or 6 knives  
**Weight:** 11,200 lbs.  
**Width:** 76" **Depth:** 70"  
**Height:** 92"  
**Space required:** 123" to 110"  
**Screen size:** 5' x 5'  
**Foundation:** Cement slab





# Stationary Chippers

The stationary chipper is designed for chipping sawmill waste, slabs, edgings and roundwood for pulp and paper and a variety of other markets. Morbark stationary chippers produce quality, dimensional chips in a variety of sizes ranging from 1/2" to 2" in length. Chips up to 4" can be produced for specialized applications.

With the exception of bearings and bolts, all chipper components are fabricated and precisely machined to exact tolerances by Morbark. Wear parts are easily replaced and readily available, keeping maintenance and down time to a minimum. Precision manufacturing techniques ensure optimum chip quality even in two and three-knife chippers. A variety of discharge configurations, leg packages, feed systems, customized chipper bases and discharge spouts are available.

## Features

### 96" Stationary Chipper

**Capacity:** 30" roundwood  
**Length:** 104"  
**Weight:** 30,000 lbs.  
**Width:** 75"  
**Height:** 104.5"

### 83" Stationary Chipper

**Capacity:** 27" roundwood  
**Length:** 92"  
**Weight:** 19,000 lbs.  
**Width:** 63"  
**Height:** 90"

### 75" Stationary Chipper

**Capacity:** 22" roundwood  
**Length:** 83"  
**Weight:** 15,600 lbs.  
**Width:** 81"  
**Height:** 84"





# Stationary Chippers

The reason that Morbark is so meticulous about precise machining of the chipper disc and wear plates is that the disc surface is critical to ensure uniform chips. Holding close tolerances in the machining of the disc is the reason why Morbark was one of the first manufacturers to successfully produce two and three-knife chippers. The wood rides smoothly on the disc providing for an exact cut with every knife. By being able to reduce the number of knives, Morbark made it possible to chip with less horsepower. This reduces capital investment cost and power consumption.

## Leg Packages

Morbark offers a variety of leg packages for both bottom and end discharge chippers to accommodate the height of the infeed conveyor. Also available are powered feed wheel assemblies to assist the flow of material into the chipper.

## Customized Chipper Bases

Morbark offers chipper and motor bases for all of its chippers which include a base for either an electric motor or a diesel power unit complete with guards to cover the drive mechanism.

## Discharge Options

All Morbark chippers are available in bottom, end or top discharge models.

## Discharge Spouts

A hydraulically powered swivel discharge spout is available in addition to a rail loading spout.



## Features

### 66" Stationary Chipper

**Capacity:** 18" roundwood  
**Length:** 82"  
**Weight:** 11,000 lbs.  
**Width:** 68"  
**Height:** 74.5"

### 58" Stationary Chipper

**Capacity:** 15" roundwood  
**Length:** 67"  
**Weight:** 8,200 lbs.  
**Width:** 58"  
**Height:** 65"

### 48" Stationary Chipper

**Capacity:** 15" roundwood  
**Length:** 67"  
**Weight:** 8,200 lbs.  
**Width:** 67"  
**Height:** 65"



# Chip Screens | Resaw Runaround Systems



7 x 14 SCREEN WITH BELT CONVEYOR

## Features

	5x10	7x14	10x20
HP	100@1800	15@1800	20@1800
Screen RPM	300	300	300
Surface (SQ. Feet)	50	95	196.2
Capacity (Tons per hour)	25	37	82

## Chip Screens

Morbark offers three chip screens varying in size depending on your application. The screens have a rotary motion and are fabricated out of strong rigid steel and suspended by heavy duty u-joint suspenders. Suspenders require no maintenance except for lubrication. The 6 3/16" counter weight bearing provides a smooth glide from the balanced center axis of the drive unit providing high performance for years. All screens have been designed to simplify maintenance with easy belt changing & screening plate removal. Drive components are also easily accessed.

## Resaw Runaround Systems

Morbark's extensive line also includes resaw infeed and outfeed rollcase systems. These heavy-duty units require minimal maintenance and can be custom fitted to any sawmill operation.



RESAW RUNAROUND SYSTEM



# HD 30 Mulch Hog

The HD 30 Mulch Hog is manufactured for the purpose of converting low value slabs, bark and sawmill waste to saleable premium mulch product. At the heart of this machine is an electric or diesel powered hammermill. The heavy duty Mulch Hog creates end products of many desirable sizes which is accomplished by changing the screens. There is easy access to the mill through a large double door opening. Hammermill rods can be configured to be removed from either side. The stacking/discharge conveyor can be lengthened to allow top loading of vans.

## Features

**Power:** 200-300 HP electric motor, 250-350 diesel

**Length:** 180"

**Height:** 76"

**Width:** 70"

**Infeed opening:** 10" x 31"

**Discharge height:** 3' to 15'

**Drive system:** belt and sheave drive, 8 groove

**Hydraulic oil tank capacity:** 25 1/2" gallons

**Bearings:** taper-lock from Dodge

**Hammers:** (18) 2" wide fixed hammers with 3" side viper inserts.

2 usable edge, replaceable anvil

Optional 20' vibrating infeed conveyor





# V-Mills | Live Decks | Green Chains

**V-mills:** V-mills are perfect for grinding pallets, sawmill scrap, short wood and regrind material. A wide range of design configurations are available with electric power options of up to 800 HP. Various options are also available including an infeed conveyor, outfeed conveyor, tilt hopper, self-contained pump stand, magnetized end pulley, infeed roller, leg package and diesel power.

**Live Decks:** These heavy-duty material handling units are constructed with 3/4" thick UHMW wear strips for the chain to ride on saving wear and tear on the chain and tube.



## Features

### Medium Duty Live Deck

- 20' long
- Constructed of 10" x 4" tubular frame
- WR 78 chain
- Adjustable tail shafts
- Optional UHMW Duralite for chain to ride on

### Heavy Duty Live Decks

- 20' long
- Constructed of 12" X 6" tubing
- C-131 chain

### Green Chains

- Built with 2, 3, 4 or 5 strands
- Hydraulic jackshaft drive
- C-55 roof top chain
- H-78 roof top chain
- BTX roof top chain
- Built of 10" rectangular tubing
- 3 and 5 HP drives with gear reducers
- Steel panning between strands available
- Leg packages

## Features

### Model 1300

- Power • Up to 500 HP
- Hammers & Screens • (24) 2" Thick T•1
- Steel Fixed Hammers with double-edged, replaceable teeth inserts
- 1" thick wear form steel screens
- 20' long
- Hammermill opening • 31" x 55"
- Rotor dimensions • 20" Diameter with (8) 2 1/4" hammer retaining rods mounted on a 7" diameter rotor shaft

### Model 1500

- Power • Up to 800 HP
- (30) 2" Thick T•1 steel fixed hammers with double-edged, replaceable teeth inserts
- 1" thick wear form steel screens
- Hammermill opening • 37" x 62"
- Rotor dimensions • 23 1/2" diameter with (6) 2 1/4" hammer retaining rods mounted on a 8 1/4" diameter rotor shaft



**Green Chains:** Morbark green chains are constructed from 10" x 4" x 3/8" rectangular tubing. This heavy duty material handling equipment is available with an electric motor or a hydraulic drive. Optional rooftop chains are also available.





# Stac-Trac | Log Turners | Chip Blowers

**Stac-Tracs:** Designed for mechanically sorting and stacking lumber, ties and cants. The stac-trac can do the work of two to five men on a green chain, especially when handling heavy material like cants and ties. This unit will lift and stack timbers that are difficult or impossible to do by hand. Reduces labor costs, decreases workmen's compensation and results in fewer lost man hours from injuries associated with handling lumber, cants and ties. One operator easily controls travel along the track, the lumber grapple, extension and up and down motion of the boom and the swinging motion of the unit from a comfortable, adjustable operator's seat.

## Features

### Stac-Trac 1000

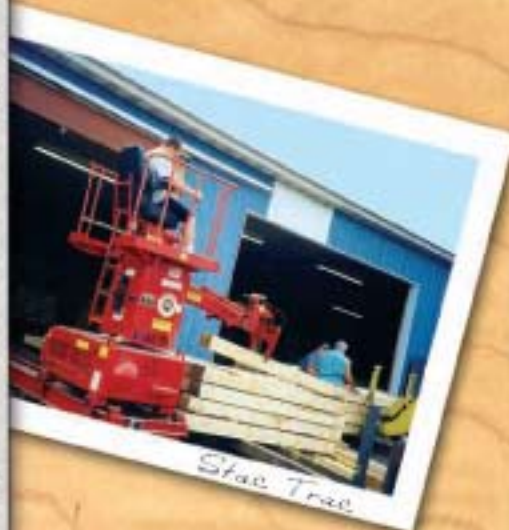
**Power:** 15 HP electric or 25 HP gas  
**Track speed:** 211 feet per minute  
**Grapple opening:** 3" to 15"  
**Weight:** 2,650 lbs.  
**Boom swing:** 360 degree  
**Manpower required:** one operator  
**Standard track:** 30' (additional track available)  
**Lifting capacity:** 1800 lbs.

### Stac-Trac 2000

**POWER:** 15 HP electric or 25 HP gas  
**Track speed:** 190 feet per minute  
**Grapple opening:** 3" to 15"  
**Weight:** 3,850 lbs.  
**Boom swing:** 360 degree  
**Manpower required:** one operator  
**Standard track:** 40' (additional track available)  
**Lifting capacity:** 1800 lbs

**Log Turner:** A log turner is an essential part of any sawmill operation. Morbark's heavy-duty log turner uses dual lift cylinders, a 2-15/16" pivot shaft and a turn arm constructed of 3/4" steel plate making log turning a snap.

**Chip Blowers:** If you need to load your chips into a chip van you can't be without a Morbark chip blower. The 10-HP and 30-HP models have a single S-pipe and a swivel base while the 40-HP comes with dual S-pipes and a Y valve for dual loading.



## Features

### 10 HP Chip Blower

Single "S" pipe on a swivel base  
Fan speed 1800 rpm  
7 tons per hour  
Self aligning ball type pillow block bearings

### 30 HP Chip Blower

Single "S" pipe on a swivel base  
Fan speed 1680 rpm  
20 tons per hour  
Self aligning ball type pillow block bearings

### 40 HP Chip Blower

Dual "S" pipe with "Y" valve  
Fan speed 1840 rpm  
20 tons per hour  
Self aligning ball type pillow block bearings

## Features

### Log Turner

Dual lift cylinders  
2-15/16" pivot shaft with Anson 2500 series urethane bearings  
15 cu. 2000 series drive motor  
Double 120 roller chain & shock absorbing system





# Conveyors

## Trough-type Conveyor

These heavy-duty log conveyors are used in a variety of applications, including sawmills, chip plants and log merchandising systems. The standard trough conveyor is formed of  $\frac{1}{2}$ " steel with gussets every four feet. The heavy-duty model is formed of  $\frac{5}{8}$ " steel with gussets every two feet. Standard models are equipped with W-110 mill chain or 13" track type chain, while the heavy-duty unit is constructed with 19" track type chain. Several different drives are available as well as automatic or manual kickers. Standard length is 25'. Wider two or three strand conveyors are also available.

## Vibrating Conveyor

Morbark vibrating conveyors are used primarily in sawmills to move slabs, edgings and trim blocks to a chipper. These rugged units are practically maintenance free and are available in 5' and 10' sections, 17" and 22" widths and in any length up to 60' to fit specific applications. One-piece transitions, incorporated into the conveyor panning, can be custom fitted for most any chipper infeed configuration. With the vibrating action, slabs, edgings and trim blocks move quickly and easily, with very little hang up, into the chipper.

## Paddle Type Conveyor

A very versatile conveyor used for moving chips, bark, fines and sawdust in a number of applications, including sawmills, chip plants, post and pole operations and wood fired power plants. These heavy duty units can be fabricated in widths of 14", 24" and 48" and in lengths from 10' to 80'. Standard equipment includes steel reinforced hardwood paddles on 15" centers and a number of electric or hydraulic drives, depending on the application. Morbark also offers optional plastic paddles.

## Barn Sweep Conveyor

Every sawmill needs to transfer sawdust, bark and/or chips from one place to another. Morbark's Barn Sweep Conveyor is perfect for such a task. It is ideal coupled with our Rosserhead Debarker. Standard at 30' long we can customize it by adding or removing lengths. A hydraulic drive is also an option.



BARN SWEEP CONVEYOR

## Features

### Barn Sweep Conveyors

5' to 150' level, 5' to 100' upright barn sweep style conveyor

5/8" oval link chain with flites on 2" centers (standard) other options available

Constructed from 10 gauge formed steel pan and 5" x 5" square tubing

2 7/16" head shaft, tail shaft and idler shaft

Heavy duty tubular steel leg package available with optional discharge heights Roserford gear reducer 25 to 1 reduction

Chain speed approx. 30 fpm

3 HP, 1800 RPM electric motor

Ratchet type chain tensioner

### Trough-type Conveyors

25' long conveyor (standard) with W-110 conveyor chain or (optional) heavy duty track type chain

Adjustable idler and drive sprockets

2, 3 or 4 arm kickers, automatic or manual can be installed to kick either right or left

Leg packages available to meet customer's requirements

Hydraulic or electric drive

Operates at a constant 120 feet per minute

1/2" or 5/8" formed steel pan

### Vibrating Conveyors

20" X 17" wide or 22" wide with transition to accommodate chipper

Available in lengths from 12' to 70' (one drive, one piece) or over 70' (additional drives, bolt together sections)

5" H beam frame, 1/4" thick pan, 3/8" thick at drive section

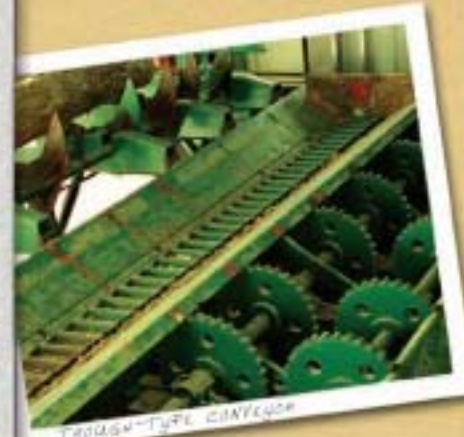
Pan sides 30 degrees (standard), straight sides or other angles optional

One piece transition incorporated into the conveyor panning

Springs are 1/4" thick, doubled around the drive



VIBRATING CONVEYOR



TROUGH-TYPE CONVEYOR

## Features

### Paddle Type Conveyors

Pan bed width: 14" & 24"

Overall pan width: 24" & 34"

Height: optional

Length: from 10' to 100'

Weight: 1,236 lbs. & 1,394 lbs. (20' long)

Recommended maximum slopes: 35 degrees

Wooden paddles on 15" or 30" centers

2,000 series Chur-Lynn hydraulic drive

Available in lengths to 100'

A number of electric and hydraulic drives are available to handle short and long conveyors as well as light and heavy loads

STANDARD 20' - 14"

20' long • 14" wide

Drag chain conveyor complete with hydraulic drive

STANDARD 20' - 24"

20' long • 24" wide

Drag chain conveyor complete with hydraulic drive



PADDLE TYPE CONVEYOR



# Misc Equipment



## ALSO AVAILABLE

- Roll Cases
- Metal Detectors
- Outfeeds
- Jump Chains
- Slab Dumps
- ...and more.

Call our sawmill specialists for a quote on your custom sawmill needs.



# Testimonials



800-831-0042  
989-866-2381  
www.morbark.com  
inquire@morbark.com



Jerry McCormick (center) & family

"I've been running Morbark equipment since 1990 and am impressed with the longevity of their equipment. This, combined with the good customer service, keeps us coming back."

Jerry McCormick  
McCormick sawmill

"If you are a serious sawmiller you want a supplier that is constantly improving. Morbark keeps improving the quality of their equipment and builds it to last. The heavy-duty construction of their equipment reduces down time and maintenance costs".

-Asher Tourison  
Acme Pallet, Inc. and  
Acme Sawmill, Inc.



Asher Tourison

"THE BEST THING ABOUT MORBARK EQUIPMENT IS THE SERVICE I GET FROM THE COMPANY REPRESENTATIVES. THEY ARE VERY HELPFUL AND KNOWLEDGEABLE ABOUT THIS BUSINESS. I BOUGHT MY FIRST USED MORBARK DEBARKER IN 1983 AND I'VE BOUGHT A LOT OF EQUIPMENT FROM MORBARK SINCE THEN. THEIR MACHINE DESIGNS KEEP GETTING BETTER ALL THE TIME AND THEIR SERVICE IS EXCELLENT."

LESTER HOUSLER  
HOUSLER SAWMILL



Lester Housler, Lee & Aaron Housler

"The customer support at Morbark is better than any I've ever dealt with. They go the extra mile for us. Our company isn't as large as some of the others, but they always treat us like we are".

-Ron Kamps  
Kamps, Inc.



Ron Kamps