



PALLET RECYCLING EQUIPMENT & SYSTEMS

Wood-Mizer®



DISMANTLE & TRIM

PALLET RECYCLING SYSTEMS - ALL SYSTEMS GO



Livengood Pallets Relies On Wood-Mizer Pallet Equipment

By Chase Warner

Located in Frankfort, Indiana, the 35-year-old family owned Livengood Pallet Service has found recent success by investing in a range of pallet recycling and manufacturing equipment including three Wood-Mizer Pallet Hawg dismantlers, trim saw, pallet notcher, and a semi-automated pallet assembly line. Today, the company operates with 8 full-time employees that **dismantle on average more than 700 pallets per day and**

is achieving the same production with half of the operators. "One-man operation has been a lot better with less labor without less production," said Jerry. **"The conveyor system takes the lumber right to the trim saw so you don't have to off load it."**

Approximately 90% of pallets are sent to the dismantling line with two Pallet Hawgs and conveyor system while the remaining 10% are sent to a third Pallet Hawg dismantler with a rear drop and adjustable table height. With the pneumatic table lift, larger pallets from 8' to 16', pallets with bottom boards or solid decks, block pallets, and other specialty pallets are dismantled without difficulty. Having the third Pallet Hawg allows the flexibility to dismantle uncommon sized pallets without disrupting the production flow of common sized pallets on the first dismantling line.



manufacture a semi-load of 546 pallets per day. The centerpiece of the operation are two Wood-Mizer Pallet Hawg pallet dismantlers with a center drop and conveyor that automatically moves dismantled boards to the trim saw. "The Pallet Hawgs have very minimal maintenance and don't lose power in the cut like the other machines we've used," said Jerry Livengood, Owner of Livengood Pallet Service. **Each dismantler is operated by one person and dismantles upwards of 350 pallets per day per person.** Compared to previous two-person dismantlers the company has used, the Pallet Hawg and conveyor system

Due to lower RPM of each Pallet Hawg dismantler, Livengood Pallets has also experienced up to double the blade life compared to previous dismantlers they've ran. **"Three to five days is average, depending on the type of pallets and nails,"** said Jerry. **"With the previous machines we were lucky to get two days of blade life as the RPMs were twice as fast at 4500 RPM versus 2200 RPM of the Pallet Hawgs."**

After pallets are dismantled at one of the two lines, deck boards are cut to length at the trim saw, stringers are notched at the pallet notcher, and pallets are assembled. For the future, Livengood Pallets has positioned themselves for continued growth and success in the pallet industry. "I owe a great deal of gratitude and a big thank you to our employees for the success of Livengood Pallet Service," said Jerry.



Layout Sample #1

Operated by four people, this pallet recycling system layout features **three Pallet Dismantlers that can be set up with any combination of center drop or rear drop, belted conveyor, cross transfer deck, and one PC200 Pallet Trim Saw.**



Layout Sample #2

Operated by two people, this pallet recycling system layout features **one Pallet Dismantler with center drop, cross transfer deck, and one PC200 Pallet Trim Saw.**



Layout Sample #3

Operated by three people, this pallet recycling system layout features **two Pallet Dismantlers (center drop is required at the end of the transfer chain and either center or rear drop can be chosen for the other dismantler), belted conveyor, cross transfer deck, and one PC200 Pallet Trim Saw.**



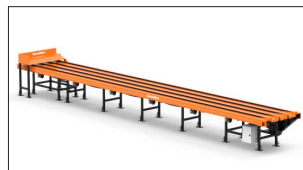
Pallet Hawg® PD200 Pallet Dismantler

Dismantles pallets into boards and stringers for additional processing. Features 60", 66", 72", 84", or 96" wide table options and rear or center drop table options to fit your needs.



PC200 Pallet Trim Saw

Trims boards and stringers for further processing or assembly. Features overhead blade design for reduced board kickback, electronic variable feed speed for optimum production, and a gravity-assist incline feed system for efficient material flow.



Cross Transfer Deck

Transfers material for staging or processing with configurable deck options including length and incline. *Call For Pricing.*



Belted Conveyor

Transports material for staging or processing with configurable conveyor options including length, height, and incline. *Call For Pricing.*

DISMANTLE MORE PALLETS PER BLADE. **PERIOD.**

Wood-Mizer®

PD200

PALLET DISMANTLER

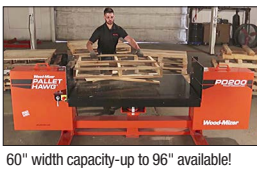
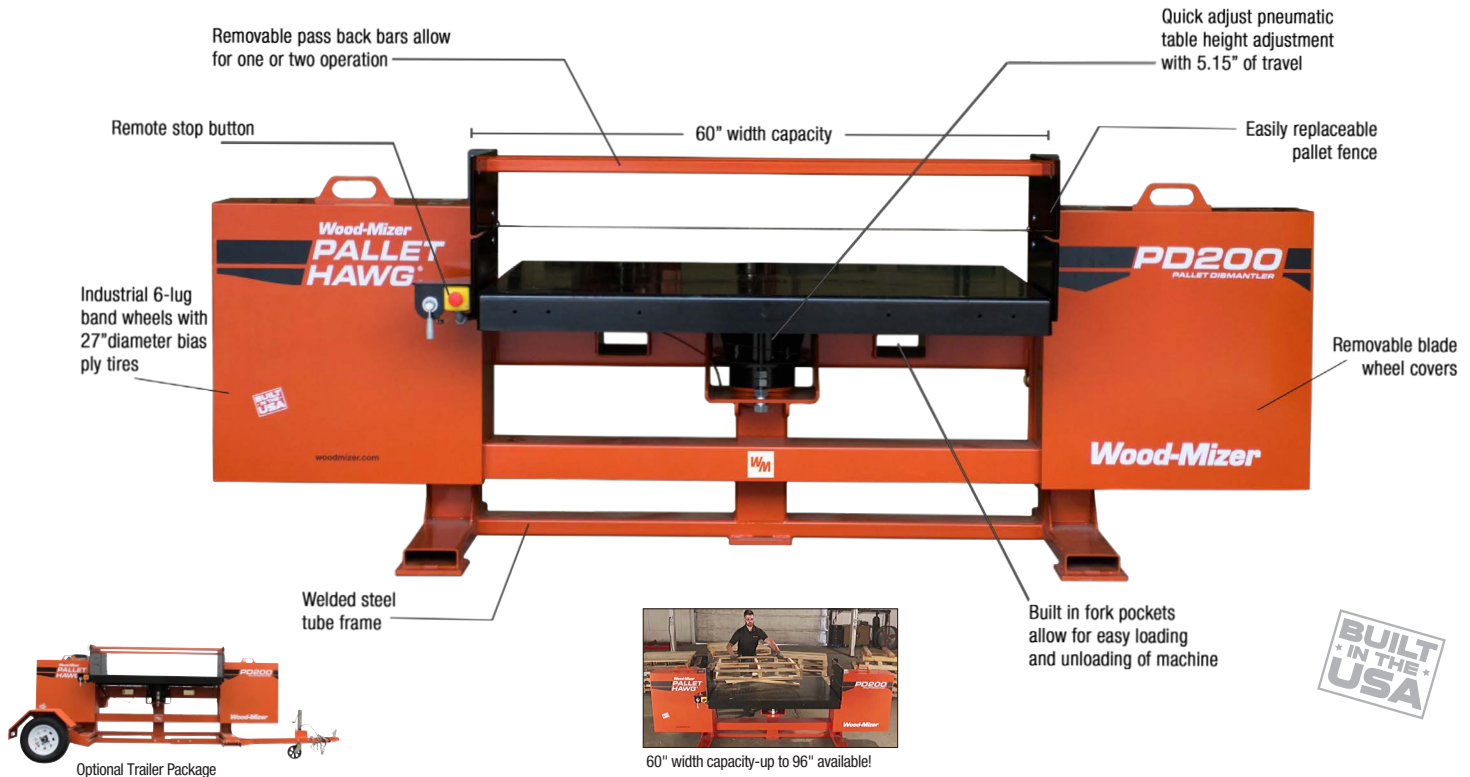
PD200 Base Price

\$14,600*

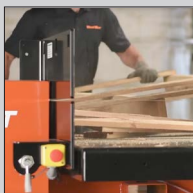
The Wood-Mizer Pallet Hawg® PD200 Pallet Dismantler is designed for a **full range of pallet recycling** including pallet prep, repair, dismantle, and recovery. Due to the unique combination of high torque and low RPMs, the PD200 pallet dismantler has an expected blade life of 1,000 to 1,500 dismantled pallets per blade which is nearly **double the blade life** of competitive pallet dismantling saws.

ONE-MAN OR TWO-MAN PALLET DISMANTLER

Designed for one or two operators, the PD200 features a **sturdy welded steel tube frame** that firmly supports two pneumatic wheels. The bi-metal blade that cuts the nails to dismantle the pallet is powered by a 10HP electric motor with a gear reduction drive. A pneumatic table lift has preset heights to enable **quick and convenient shifting** between upper and lower cut points to **easily remove** stringer boards, blocks, and deck boards of a pallet.



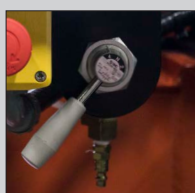
FEATURES



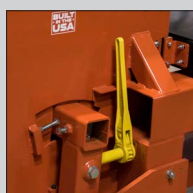
Adjustable table height with 5 1/4" travel



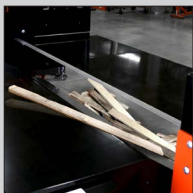
10 HP motor with gear reduction drive



Pneumatic hand valve moves table up and down



No fail mechanical blade tension system



OPTIONAL Center Drop Table



OPTIONAL Rear Drop Table



OPTIONAL Front or Rear Board Catch



OPTIONAL 19 HP Gas Engine

PD200 SPECIFICATIONS*

Power	10 HP Electric 240V/60HZ 10 HP Electric 400V/60Hz 10 HP Electric 480V/60Hz 10 HP Electric 575V/50Hz 10 Hp Electric 220V/60Hz 1-Phase (Add'l \$500) 19 HP Gas
Length	10.5' (3.2 m)
Width	5' (1.5 m)
Weight	1,800 lbs (820 kg)
Material Width	60" - \$14,600 66" - \$15,100 72" - \$15,350 84" - \$15,850 96" - \$16,350 Drop Option - Add'l \$500
Top Blade Speed	2,200 fpm (670 m/min)
Blade Material	BiMetal
Blade Size	22" 4" x 1-1/4" x 0.042 thick (6.8 m x 31.75 mm x 1 mm)
Blade Life Expectancy	1,200 pallets or 3 days production
Blade Teeth	5-8 variable teeth per inch
Air Pressure:	min: 80 psi (5.6 kg/cm) max: 120 psi (8.4 kg/cm)
Drive Wheel Hub Size	15" (381 mm) - 6 lugs x 5.5 bolt circle inch
Drive Wheel Tire Size	ST205/75D-15 bias ply only

* Prices are in U.S. Dollars. Prices and specifications are subject to change without notice.

PALLET NOTCHER WITH TOP-NOTCH FEATURES - COMPACT

Wood-Mizer®

PN100 PALLET NOTCHER

PN100 Base Price

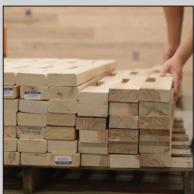
\$11,495*

Compact single pallet notcher with top-notch features including industry-leading carbide-tipped cutter head, **up to 300 double-notched stringers per hour production**, single or three-phase electric power, ergonomic clamping system, push feed and return table, safe user-friendly design, and more!

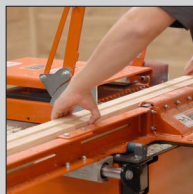
Notch up to two stringers at a time with the PN100 pallet notcher! Available in single or three-phase electric power, the PN100 features an industry-leading carbide-tipped cutter head for consistent and accurate notching with a production rating of up to 300 double-notched stringers per hour. In addition, the ergonomic clamping system reduces material re-alignment needs while the push feed and return table is safe and user-friendly for clamping or reloading material. **Combine these top-notch features with the industry-leading reliability and durability of Wood-Mizer equipment for a pallet notcher you and your business can depend on.**



FEATURES



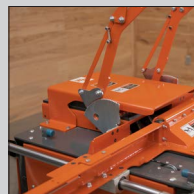
Produce up to 300 double-notched stringers per hour



Efficiently single notch one 4" x 4" or two 2" x 4" stringers up to 96" long



Safely secure stringers with the ergonomic handle bar



The unique counterbalance table is pushed over the cutter head for notching



Industry-leading carbide-tipped cutter head with replaceable blade inserts



Powerful 1ph or 3ph, 10HP or 15 HP electric motor



Convenient 10" dia. dust collection port connects with a dust collection system



The table and frame are built with premium quality steel to withstand continuous production demands

PN100 SPECIFICATIONS*

Power	10 HP Electric 240V/60HZ 10 HP Electric 480V/60Hz 10 HP Electric 240V/60Hz 1-Phase (Add'l \$500) 15 HP Electric 240V/60Hz 15 Hp Electric 480V/60Hz
Cutter Head	10" dia. x 9" wide x 2" dia. arbor
Blade Type	Carbide-tipped insert
Notch Dimensions	1-1/2" deep x 9" wide
Capacity	(2) 2" x 4" or (1) 4" x 4" stringer up to 96" long
Production Rate	300 double-notched stringers per hour
Dust Collection Port	10" Diameter
Dust Collection Rate	2,000 cfm recommended
Dimensions	43" L x 45" W x 42" H (108" wide with extension arms)
Weight	760 lbs.

SINGLE END POWER FEED TRIM SAW - EFFICIENT

Wood-Mizer®

PC200 POWER FEED TRIM SAW

PC200 Base Price

\$14,600*

The PC200 Single End Power Feed Trim Saw is engineered to efficiently trim the ends of deck boards and stringers for manufacturing recycled pallets. Ideal for pallet recycling and remanufacturing operations, the PC200 trims the ends of boards from 21" to 66" long, up to 2" thick and 10" wide at rates of up to 12,000 boards per 8-hour shift. The PC200 features an **overhead blade design for reduced board kickback, electronic variable feed speed for optimum production, and a gravity-assist incline feed system for efficient material flow.**

A typical pallet recycling system will include 2 or 3 Pallet Hawg® Pallet Dismantlers for each PC200 Single End Power Feed Trim Saw in order to dismantle a pallet and trim boards into smaller material for assembly of a recycled pallet.



21" to 66" long material capacity

FEATURES



Nail-resistant carbide-tipped saw blade is able to be resharpened



Three heavy-duty #2060 roller feed chains with lugs and 12" spacing



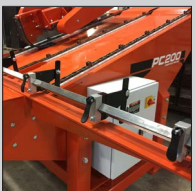
Gravity-assist incline table feed system with 58" drop height for efficient material flow



Overhead blade design for reduced board kickback and easy blade changes



½ HP Power feed motor with gear reduction drive



4 quick-adjust board stops with scale



10 HP Electric Motor Single phase and 3-phase electric motor options



21" to 66" long material capacity up to 2" thick and 10" wide

PC200 SPECIFICATIONS*

Power	10 HP Elec 240V/60 Hz - 3 Phase 10 HP Elec 480V/60 Hz - 3 Phase 10 HP Elec 220V/60 Hz - 1 Phase
Min. Material Length	21" (0.5 m)
Max Material Length	66" (1.7 m)
Max Material Thickness	2" (50 mm)
Mx Material Width	10" (254 mm)
Blade Design	Overhead 18" (457 mm) diameter carbide-tipped circular blade
Table Design	Gravity-assist inclined with 58" (1.45 m) drop height
Board stops	18" (457 mm) diameter
Feed System	3 x #2060 roller feed chains with lugs and 12" (304 mm) spacing
Feed Speed	Variable from 0 - 1 foot/second
Feed Motor	½ HP with gear reduction

*Specifications are subject to change without notice.

CENTER LOADING UPCUT SAW - CONVENIENT

Wood-Mizer

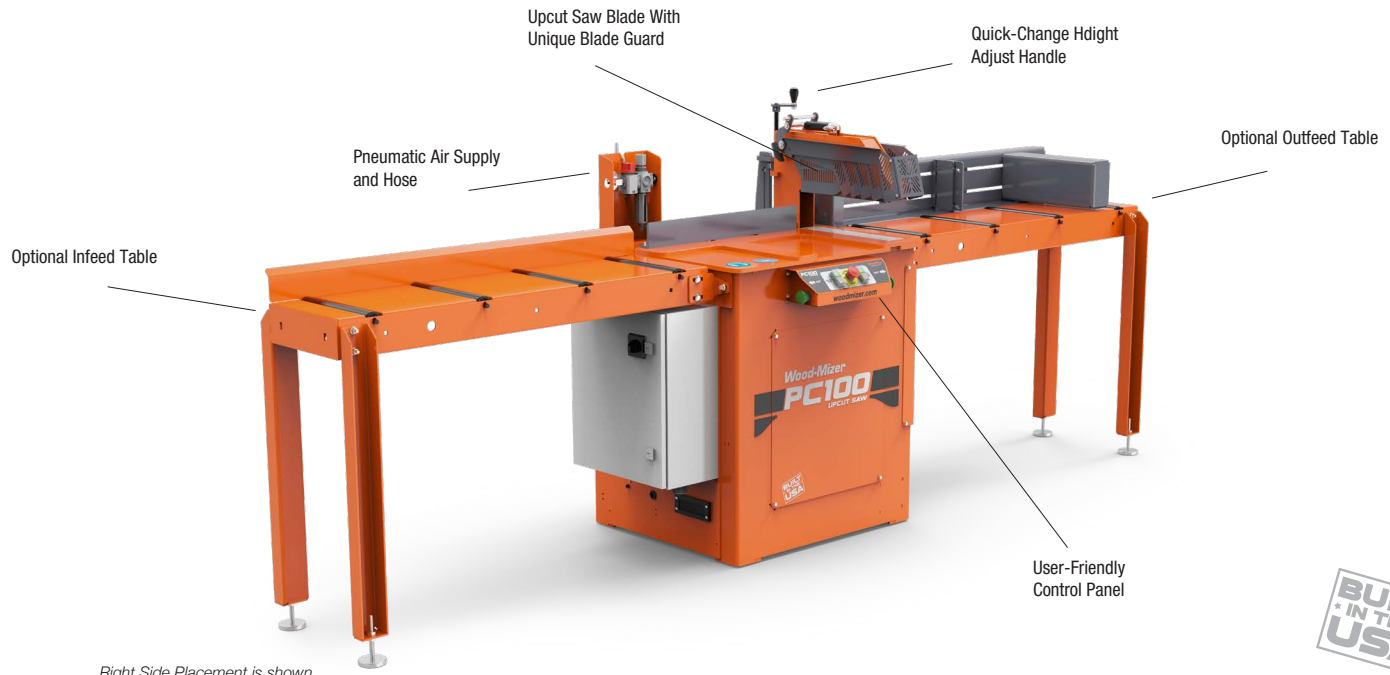
PC100 UPCUT SAW

PC100 Base Price

\$11,695*

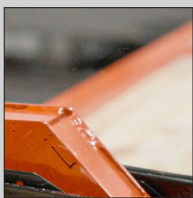
Available in left or right-side blade options, the PC100 features convenient center material loading for longer material with a uniquely designed segmented blade guard. When the two-hand no-tie down cutting cycle is activated, the upper blade guard automatically lowers and covers the front and sides of the blade during the cutting cycle. **Comparable machines with a mounted blade guard only allow material loading from the left or right side which makes processing longer material more difficult and time consuming.**

Additional features include up to 20 cut cycles per minute, 1-phase or 3-phase electric power, one 18" diameter 60 tooth carbide-tipped circular saw blade, optional infeed/outfeed tables, optional gang stop, and more. Combine these features with the industry-leading reliability and durability of Built in the USA Wood-Mizer equipment for an upcut saw you and your business can depend on.

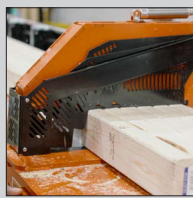


Right Side Placement is shown

FEATURES



Crosscut Boards from 1" x 13" up to 4" x 9"



Upcut Saw Blade up to 20 Cut Cycles Per Minute



Left or Right Side Placement



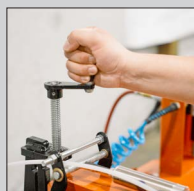
Convenient Center Material Loading with Unique Blade Guard



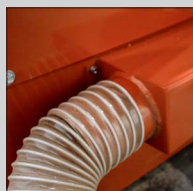
Powerful 10 HP (7.5 kW) Electric Motor



User-Friendly Control Panel



Quick-Change Height Adjust Handle



Convenient 4" Diameter Dust Collection Port

PC100 SPECIFICATIONS*

Power	10 HP Elec 240V/60 Hz - 3 Phase 10 HP Elec 480V/60 Hz - 3 Phase 10 HP Elec 220V/60 Hz - 1 Phase
Circular Saw Blade Design	18" x 60T (included) 18" x 80T (optional) 18" x 120T (optional)
Material Thickness x Width	1" Thick x 13" Wide 2" Thick x 12" Wide 3" Thick x 10" Wide 4" Thick x 9" Wide
Optional Accessories	Infeed/Outfeed Tables (Available in increments from 4' - 16' long) Gravity Activate Board Stops Gang Stop

*Specifications are subject to change without notice.

Pioneer Packaging operates with more than 20 Pallet Hawg machines and is able to dismantle up to 5,000 pallets per day and produce up to 10,000 pallets per day from their main location in Portland, Indiana.



“The bulk of our equipment by far in terms of quantity and usage are the Pallet Hawgs. All of our machines run eight hours per day and half of them run sixteen hours per day. We have dismantlers here with more than 30,000 hours on them. The Pallet Hawg product itself is excellent and very durable.”

— Wade Kohler
President of Pioneer Packaging

