

HR1000 Horizontal Resaw

Choose from one to six heads on this high-end resaw with potential to produce up to seven boards at once. This machine easily integrates into existing systems and has a small footprint so you can maximize your space. The powered hold-down rollers ensure tight tolerances for the most precise requirements. An optional board return system can be added to automate the entire process of breaking down larger cants.



Standard Features

- Spiked feed rollers
- Steel belt conveyor
- Power transfer system
- Pressurized blade guides
- Hydraulic blade tensioner
- 11kW or 15kW electric motor

Performance:

- **Productive** – saws up to seven boards in one pass using thin-kerf technology
- **Tough** – tackles any species from frozen to kiln dried
- **Accurate** – Steel track conveyor keeps cuts accurate

Key Specs:

- Feed rate of 0-33m/min
- 300mm wide x 300mm height maximum capacity
- Hydraulic feed with air assist
- Customizable resaws available with 1 to 6 cutting heads
- Available with cant return system

Standard features:



Feed rollers

Feed almost any species for a wide variety of applications with our hydraulic driven feed rollers.



Steel Belt Conveyor

The durable hydraulic driven steel belt provides longer life and less downtime than rubber belts.



Hydraulic Blade Tensioner

Tightens blades on all heads in one place.



11 kW Electric Motor

Extra horsepower for increased production.

HR500 Horizontal Resaw

Choose from one to six heads on this mid-range resaw which has a modular design for future expansion. The HR500 features a steel track for maximum durability. An optional return table is available to bring cants for a second pass.



Standard Features

- Modular design, add up to 6 heads as you require
- Steel belt conveyor
- Integrated E-stop & lock-out
- Hold-down rollers
- 11kW electric motors

Performance:

- **Efficient** – saws up to seven boards in one pass
- **Accurate** – uses thin-kerf technology to produce precise cuts and higher yields
- **Affordable** – perfect for the economically-sound business
- **Proven** – currently in use by sawyers around the world

Key Specs:

- Feed rate of 0-20m/min
- 300mm width x 400mm height maximum capacity
- Designed to add heads (up to 6) for increased capacity

Standard features:



Modular Design

Let the machine expand with your business by adding 2 head modules to the base system.



Steel Belt Conveyor

The durable steel belt provides longer life and less downtime than rubber belts.



Hold-Down Rollers

Keep cants securely on the conveyor track.



Integrated Blade Lubrication

Keeps all your blades running sap-free.

HR1000 SPECIFICATIONS

Power

18.5kW per head, Electric (non CE)
15kW per head, Electric
11kW per head, Electric

Power Supply: 400V/50Hz, 3 Ph

Blade

Length 5.20m
Width 32mm - 38mm

Blade Wheel

Diameter 863mm
Type Belted Cast Steel

Feed System

Conveyor Steel, 190mm
Feed Rate 0-33m/min

Cutting Capacity

Max. Length Unlimited
Max. Length w/ MGR 2.40m
Min. Length 710mm
Max. Material Height 300mm
Min. Cut Height 6mm
Max. Material Width 300mm
Max. Material Width w/MGR 200mm
Min. Width 25mm

Dimensions & Requirements

	1 Head & 2 Head	3 Head & 4 Head	5 Head & 6 Head
Length	4.20m	5.10m	7.10m
Length w/ MGR	9.60m	11.10m	12.50m
Width (1-6 heads)	2.80m	2.80m	2.80m
Width w/ MGR (1-6 heads)	3.10m	3.10m	3.10m
Height (doors open, 1-6 heads)	2.90m	2.90m	2.90m
Table Height (1-6 heads)	0.90m	0.90m	0.90m

Weight Required Amps/Head (for 15kW Electric)

1-head	1374kg	35Amp
2-heads	1760kg	63Amp
3-heads	2245kg	90Amp
4-heads	2631kg	120Amp
5-heads	3116kg	150Amp
6-heads	3502kg	180Amp

Shop Air Pressure 80 - 125 psi
Air Volume 142 liters/min

Hydraulic System

Motor 3kW 400V/50Hz
Pump 15LPM

HR500 SPECIFICATIONS

Power

11kW per head, Electric

Power Supply: 230V - 400V/50Hz, 3 Ph

Blade

Length 4.01m
Width 32mm - 38mm

Blade Wheel

Diameter 600mm
Type Belted Cast Steel

Feed System

Conveyor Steel, 190mm
Feed Rate 0 - 20m/min

Cutting Capacity

Min. cant height 10mm
Max. cant height 400mm
Min. cant length 900mm
Max. cant length Unlimited * (for more than 3.6m material length, additional tables required)
Min. cut width 75mm
Max. cut width 300mm
Min. cut height 6mm
Max. cut height 200mm

Dimensions & Requirements

	1 Head & 2 Head	3 Head & 4 Head	5 Head & 6 Head
Length	3.50m	6.35m	8.60m
Width (1-6 heads)	2.05m	2.05m	2.05m
Height (1-6 heads)	1.90m	1.90m	1.90m
Table Height (1-6 heads)	0.90m	0.90m	0.90m

Required Amps per Head	1-head	25Amp
	2-heads	45Amp
	3-heads	70Amp
	4-heads	90Amp
	5-heads	120Amp
	6-heads	140Amp



"The situation was that we won an urgent order for British customer. We did not have sufficient capacity. But the MultiHead (HR1000) helped us. We can make four cuts in a three sided cant in one pass and, in addition, the sawn recovery increased by 20% compared with circular blade. Thus we get 120 cubic instead of 100 before."

*– Aldis Drikis, Toto
Tauren, Latvia*

European Headquarters & Manufacturing Facility
Wood-Mizer Industries Sp. z o.o.
Nagórna 114, 62-600 Koło, Poland
tel.: +48 63 26 26 000 fax: +48 63 27 22 327
www.woodmizer.eu

Optional Merry-Go-Round

The optional Merry-Go-Round really allows you to benefit from the high production levels that are achievable with the HR1000s.

The infeed and outfeed operators are able to keep the MultiHead sawing butt to butt for the full shift with minimum effort. The Merry-Go-Round system was designed with shorter length pallet wood in mind, but has also been used with longer cants for resawing building timbers and long boards.

Merry-Go-Round automatically feeds uncut cant portions through the HR1000. Reduces labor costs by eliminating up to two men. Makes true one-man operation possible. Individually matched to each HR1000 unit.



Optional "Merry-Go-Round" automatically feeds uncut cant portions through the HR1000, reduces labor costs by eliminating up to two men, and makes true one-man operation possible.

2 Head HR1000 shown with MerryGo-Round

