



PIERCE

# PD5500M

**PIERCE** MONOBOOM DELIMBER



PIERCE



**FORESTRY INNOVATION**

**IT'S TIME TO DEMAND MORE  
FROM YOUR DELIMBER.  
INTRODUCING THE PIERCE PD5500M.**



The new PD5500M delimitter represents the best of both worlds: the design integrity of industry leading Pierce and Denharco stroke delimitters, plus the genius of new cutting edge processing technology.

Introducing wireless communication! Instead of transmitting information through a cable that can easily be damaged, send it right to the head wirelessly. The PD5500M has even more features to help you work safely and productively. Including a safe and simple cab-operated transport system. A hydraulic wedge locking system for added engagement between tunnel and carriage. Curtain-style hose hangers minimize hose damage. And, LED work lights illuminate your work zone.

Maximum value. Minimum waste. Premium design. That's the PD5500M.



## A STROKE DELIMBER THAT'S A STROKE OF GENIUS.



### ARMS

- EXPORT QUALITY, CAST 'MONO-STEM' DELIMB ARMS AND HEAVY DUTY REAR HOLD ARMS

### HEAD

- HEAVY DUTY DELIMBING HEAD
- HEAD'S FORWARD DELIMB ARM POSITIONED ONLY INCHES FROM THE TOP SAW ELIMINATES SLABBING

### CARRIAGE/TUNNEL/TROUGH/BOOM

- 32" TUNNEL OPENING
- CARRIER SPECIFIC BASEBOOM & TUNNEL
- EXTREME DUTY JOINT BETWEEN TUNNEL AND CARRIAGE
- RETRACTABLE BUTT PLATE WITH PIVOT CYLINDER AND INTEGRATED HYDRAULICS
- HIGH-STRENGTH, 50' 12"X12" MONOBOOM
- FLOATING TROUGH WITH SUPPORT ROLLER MINIMIZES DAMAGE TO LONG VALUABLE STEMS
- INCREASED DISTANCE BETWEEN ADJUSTABLE SINGLE HORIZONTAL ROLLERS ON CARRIAGE
- 2 FIXED TANDEM ROLLERS
- 2 ADJUSTABLE, GREASABLE VERTICAL ROLLERS ON CARRIAGE
- EXPANDABLE CARRIAGE PIN COUPLING
- EXPANDABLE MAIN PIN (REPLACES OEM MAIN PIN FOR TIGHTER ENGAGEMENT)

### HYDRAULIC SYSTEM

- WINCH DRIVE SYSTEM WITH VARIABLE DISPLACEMENT TRACTION MOTOR AND AUTO-TENSIONING CABLE
- BRAKE ELIMINATES BOOM DRIFT BY SECURING LOG WHILE CUTTING
- CURTAIN-STYLE HOSE HANGER SYSTEM WITH CENTRALLY TENSIONED HEAVY DUTY SUPPORT CABLES MINIMIZE HOSE WEAR WHILE EXTENDING CABLE LIFE DUE TO UNIFORM TENSIONING
- TWIN 3 1/2" DELIMB ARM CYLINDERS WITH LOCK VALVES
- 4" HOLD ARM CYLINDERS WITH LOCK VALVES
- AUTOMATIC STROKE-END SPEED REDUCER

### SAW SYSTEMS

- 3/4" TOP & BUTT SAWS:
  - 29" TOP SAW BAR & 32" BUTT SAW BAR – EACH WITH SAW SAFETIES
- SIMPLE, MANUAL TENSIONING SAW SYSTEMS
- SAW-TO-SAW MEASURING CAPABILITY SAVES REHANDLING WITH THE BUTT SAW POSITIONED BEHIND HOLD ARMS

### TRANSPORTATION

- HYDRAULIC WEDGE LOCK (IN LIEU OF MANUAL) IN CONJUNCTION WITH HYDRAULIC SHEAVE TOWER PROVIDES EFFORTLESS TRANSPORTATION PROCEDURE – ALL CONTROLLED FROM INSIDE CAB – ONLY MANUAL ADJUSTMENT REQUIRED IS UNPINNING THE TROUGH

### ELECTRICAL

- WIRELESS COMMUNICATION BETWEEN CAB & HEAD – NO MORE CABLE RUNNING DOWN THE BOOM
- SOFT CLAMP PROPORTIONAL PRESSURE
- LED WORK LIGHTS ON CARRIAGE

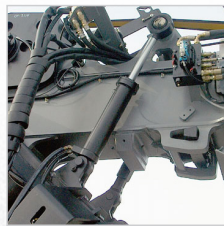
### MAINTENANCE

- GROUND LEVEL CENTRALIZED LUBRICATION SYSTEM
- SWING-OUT TOP SAW DOOR & SAW ASSEMBLY DESIGNED FOR SIMPLE SAW MAINTENANCE



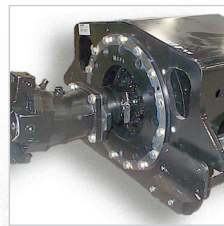


BEAUTY IS  
IN THE DETAILS.



SUPPORT ROLLER  
MINIMIZES DAMAGE  
TO LOG STEMS

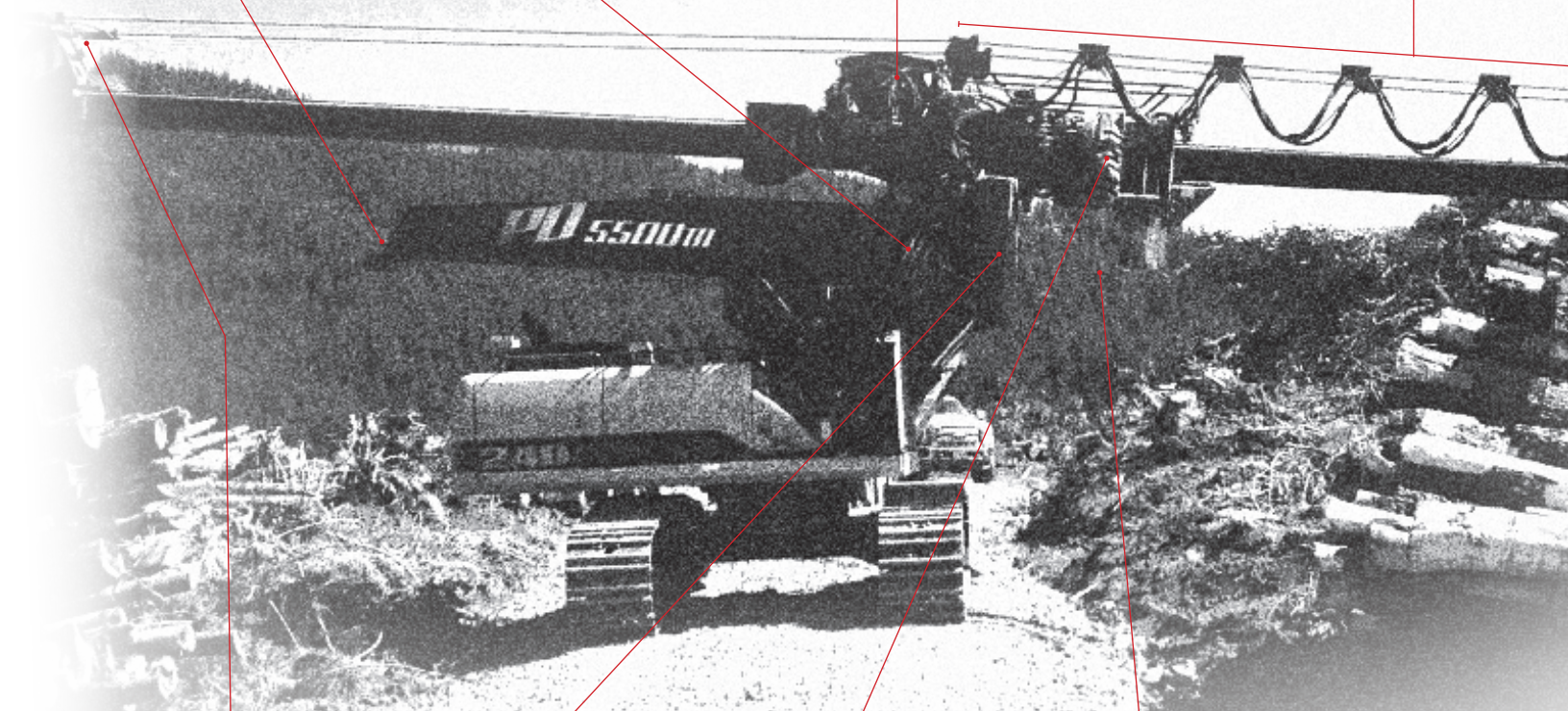
HYDRAULIC  
TRANSPORT



VARIABLE  
DISPLACEMENT WINCH DRIVE  
MOTOR WITH BRAKE



CURTAIN STYLE  
HOSE HANGERS



CENTRALIZED  
TENSIONING  
SUPPORT CABLES



TUNNEL & BUTT  
PLATE

LED WORK LIGHTS



BUTT SAW LOCATED BEHIND  
HOLD ARMS (SAW TO SAW)

# PD5500M

## PIERCE MONOBOOM DELIMBER

Thanks to its exclusive Zero 5 measuring system, the PD5500M offers superior measuring quality.

Now you can get more value—and less waste—out of each log. That's a smarter way to work, by any measure.



### MEASURING SYSTEM



## INTRODUCING THE Z5 MEASURING SYSTEM.



WIRELESS TO HEAD

### INCLUDES

- Danfoss Controller full-scale measuring system
- Durable 6.5" glare-resistant, color display
- Head controller
- Cab controller
- Suregrip control handles
- Photocells located in tunnel
- Solid state electrical components
- Wireless technology between cab and head

### FEATURES

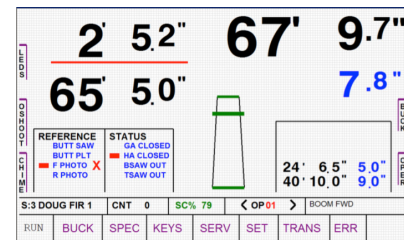
- Unobtrusive monitor size doesn't get in the way of the work ahead
- Instantaneous boot up time
- Real-time length & diameter read-out
- 'Stop-on-mark' technology eliminates searching
- Real-time tail swing display
- Measuring is initiated by either 'FIND-END', butt plate or making a butt cut
- Built-in, protected photocells for 'FIND-END' measuring
- Programmable for 3 different operators
- Easily programmable bucking lists and button functionalities
- Service menus and real-time diagnostic troubleshooting, calibrations and settings
- Simple adjustments optimize efficiency in various working conditions
- Simple and intuitive navigation throughout system
- Production Monitoring: Measure stem count and production values
- Dust and submersion protection
- 40°F – 158°F rating

**LENGTH PRESETS:** Use presets to gain speed, consistency and production by allowing the measuring system to do all the thinking. Take advantage of up to 10 different lengths for 10 different species. Simply select LENGTH and the PD5500M goes to mark. And, if necessary, change length or species on the fly.

**SOFT CLAMP:** Delimb arm pressure adjusts in both directions based on stem diameter allowing for a cleaner log. In larger stems, the PD5500M recognizes the need for increased pressure and automatically supplies the delimb arms maximum pressure.

**SCALE FACTOR:** Calibrated scale factor allows for consistent and accurate results, regardless of species.

**SAW TO SAW:** Saw to saw measuring capability saves rehandling with the butt saw positioned behind hold arms.



NO SLABBING WITH FRONT ARM POSITION

# PD5500M

## PIERCE MONOBOOM DELIMBER

SPECIFICATIONS		PD5500-M	
<b>DIMENSIONS</b>			
MINIMUM REACH	13'6"	4.11 m	
MAXIMUM REACH	49'4"	59'4"	
TAIL SWING	40'1"	12.22 m	
TRANSPORT HEIGHT	MACHINE DEPENDANT		
MAXIMUM DECKING HEIGHT	11'7"	3.53 m	
WEIGHT*	24,400 lb	11,091 Kg	
<b>DELIMBING</b>			
DELIMBING CAPACITY	22"	56 cm	
HANDLING CAPACITY (TUNNEL DIAMETER)	32"	81 cm	
<b>SAW SYSTEMS</b>			
TOPPING SAW (3/4" PITCH): CUTTING CAPACITY	25"	64 cm	
CARRIAGE BUTT SAW (3/4" PITCH): CUTTING CAPACITY	34"	86 cm	
<b>BOOM DRIVE SYSTEM</b>			
WINCH DRIVE (VARIABLE DISPLACEMENT MOTOR WITH BRAKE)			
BOOM SPEED	14 ft/sec	4.3 m/sec	
HORIZONTAL PULLING FORCE	10,000 lb	44.5 kN	
HORIZONTAL PULLING FORCE WITH POWERPULL	13,000 lb	57.8 kN	
<b>RECOMMENDED CARRIER SPECIFICATIONS</b>			
MACHINE SIZE	20-30 M.T.		
HYDRAULIC PRESSURE	4,500 PSI		
REQUIRED FLOW	2 X 50-60 GPM	2x170-225 l/min	

\*Includes: Top and butt saws, butt plate, transport positioning, hoist cylinders.  
Features and technical data may vary without notice.

### WHY A PIERCE DELIMBER IS WORTH EVERY BUCK.

If you work in various wood species, sizes, and weights, a Pierce stroke delimeter makes perfect sense. It's more efficient than a processing head in big wood applications, has a longer life span and boosts productivity with multi-stem processing and optimizes log utilization. When you factor in the rehandling time you save plus the amount of abuse it can take, a Pierce delimeter practically pays for itself.



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