

Power & accuracy that's right on the money, every time.

Built strong to handle the big timber, other processing tools just don't measure up to the superior design of Pierce monoboam and telescopic delimiters. Measuring from the lineal steel boom assures you precision accuracy — and greater efficiency —time after time. The Intellitac Measuring System is the industry's most accurate system. Consistent within the complete family of Pierce & Pierce Denharco delimiters and processing heads, now you have a common system for all your processing machines. GPS, digital topographical mapping, wireless communication & data transmission, E-mail and internet connectivity are just a few of the possibilities Intellitac is capable of achieving. And all from the safety and the convenience of your cab.

INTELLITAC MEASURING SYSTEM

SPECIFICATIONS	
OPERATING SYSTEM	WINDOWS XP
PROCESSOR	PENTIUM M 1 GHZ
LEVEL 2 CASH	256 Kb
MEMORY	512MB
VIDEO MEMORY	32MB
HARD DISC	30 GB
CAN BUS CONTROLS	3
LANGUAGE	ENGLISH OR SWEDISH
MEASUREMENTS	IMPERIAL OR METRIC
KEYBOARD/ROLLER BALL	SEALED, PROTECTED AGAINST DUST & MOISTURE
CAB MOUNTED PRINTER	OPTIONAL

OUTPUTS	
ETHERNET	1
PARALLEL	1
SERIAL	2
SERIAL	1
USB	6
COMBINED	1
AUDIO	MIC, LINE IN, LINE OUT
POWER SUPPLY OUTPUTS	5V, 0.5 A PER OUTLET
SPECIAL CONTROLS	ON/OFF, RESET
EXTERNAL VIDEO SCREEN	1

SCREEN	
SIZE	12.1" COLOR TOUCH SCREEN
RESOLUTION	800 X 600 SVGA
COLORS	262,000
BRIGHTNESS	500 Cd/m2 (AUTOMATIC ADJUSTMENTS)
CONTRAST	500:1

OTHER FUNCTIONS	
USB MEMORY BACKUP	INTERNAL
USB HARDWARE LOCK	INTERNAL



OPERATION

- Easy to use system can easily be customized for one, or multiple operators.
- Operator has specific login. After boot-up, preset values and settings, language and authority for that operator are populated.
- Shift activity information (such as uptime, idle time, piece count).
- Simple display for real time operating data.
- "Soft clamp" feature adjusts delimb arm pressure, depending on recognized diameter of each stem.
- PC-based system easily integrates into customer's own business system.
- Add hydraulic & electrical schematics, help files & complete Operations, Service & Parts Manuals to the desktop for quick/easy reference.
- Automatic timed interval information/file backup.
- Built-in system for safe controlled shut down.

MEASURING & COMMUNICATION

- "Stop-on-mark" technology eliminates searching for the cut location, thus maximizing accuracy, throughput and productivity.
- Real time length, diameter and sort details are always visible with numeric readouts and visual log representation. (See operating screen above).
- Optimization: priority bucking manages lengths, diameters and other information needed to locate optimum cut location(s) maximizing each stem's value. This translates into maximum value with minimum waste.
- Priority Builder builds and maintains bucking instructions for priority bucking logic. The instructions contain a table with the required lengths in priority order. The table also contains information on minimum and maximum diameters per length, and other relevant information for optimum production.
- Optimization Builder builds and maintains optimization instructions for delimiter bucking systems. The program manages information containing identification, tree species, grades, assortments, demand & limitation matrices, etc.

TROUBLESHOOTING AND HELP

- Color-coded modules allow for quick troubleshooting with L.E.D. indicators for easy isolation of function, fault and warnings.
- Help text is available at the push of a button throughout the system. Have a question? Simply click on the help icon for a description/procedure for that specific function.
- Real-time diagnostics and troubleshooting keeps operator updated on operational events and faults.

REPORTING

- Powerful information center for statistics, instructions, analysis and processing information.
- Production values are calculated and can be displayed on the screen, printed, saved and copied to storage devices (disk, thumb drive, etc.), or transmitted via wireless communication back to business office.
- Operation Report and Operation Monitor are used to read production files and present the statistics, volumes and active production time on the screen or printout. Different windows with information for identification, total volumes, idle time and log records. The totals can be shown per operator, or as a total for all operators.



Pierce Delimiters

Pierce Pacific Mfg.: Additional Forestry Products



FORESTRY BOOMS



DELHARCO DELIMITERS



FORESTRY GUARDING



FELLING ATTACHMENTS



PROCESSING/HARVESTER HEADS



FORESTRY GRAPPLES



BRUSH RAKES



PARLIFT



MILLYARD/SORTYARD BOOMS



YARDING/WINCH PACKAGES

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Denharco

GET A PERFECT FIT

Finite Element Analysis (FEA), combined with computer-aided motion analysis software, allows our design team to eliminate structural "hot spots" where structural strength is critical to the long-term integrity of the product. These tools, used by all the major excavator manufacturers, allow us to design, build, assemble, simulate and test our Delimiter structures prior to any manufacturing taking place.

All high load concentrations have been eliminated during the design process, allowing us to provide structures and fabrications that will flourish while operating in the rigors of North American timber and climate conditions.

In addition, fully associative drafting allows for a precision fit of every part and component we fabricate, allowing for a consistent/superior tolerance product to be manufactured each and every time.

And, as an Allied Equipment Manufacturer, our engineering team works directly with excavator manufacturers to assure complete and error-free integration of all OEM/ Pierce equipment.

THE PIERCE PROMISE

Like all Pierce products, once it's delivered we stand by it all the way. Our unparalleled product support and customer service includes on-site training and troubleshooting, stocked warehouses, after hours pickup and overnight delivery. Emergency orders are routinely shipped the same day, and our professional service technicians are available 7 days a week, after business hours and weekends, to make sure your jobs stay on track and on schedule. Quality from the drawing board to the bottom line. That's what "Pierce built, Pierce backed" is all about.



PIERCE
Denharco

Pierce Pacific Manufacturing, Inc.
Pierce Denharco, Inc.

Pierce Delimiters

Monoboam
Telescopic

PMD3348
PTD2856

PMD 3348 MONOBOOM DELIMBINATOR

Our popular **PMD 3348** is designed to work harder, perform more efficiently, and deliver accurate, high quality logs under the most punishing conditions. The powerful boom drive motor and 140D drive chain offers unrivaled pulling power. "Stop-on-mark" measuring technology eliminates searching for the proper cut location. A forward front grab arm positioned only inches away from the top saw virtually eliminates slabbing by positively securing the log. And, a centralized lubrication system means easier maintenance and a longer work-life. Together with its superior designed delimiting head, high strength single piece monoboom and efficient hydraulic system, the **PMD 3348** adds up to one powerful package that produces more processed timber at the end of the day, even in the extreme timber and conditions of North America.



PTD 2856 TELESCOPIC DELIMBINATOR

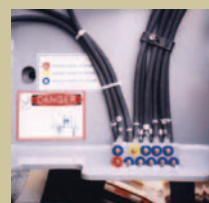
The **PTD 2856** combines the finest elements of our **PMD 3348** Monoboom Delimitator with features such as minimal tail swing and rugged, heavy-duty inner and outer booms. The result is a delimiting force that consistently produces quality logs with pinpoint accuracy.

The **PTD 2856** and **PMD 3348** share the same electrical and hydraulic systems. This unique quality makes for component commonality, ease of maintenance and support, as well as operational resemblance.

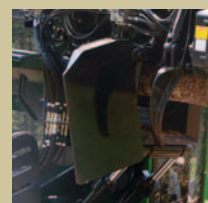
Pierce monoboom & telescopic delimiters shine in large diameter timber, heavy limb applications, irregular logs, multi-system processing, and multiple sorting requirements, guaranteeing that you get the most value out of every stem. When it comes to working in challenging forest conditions, it pays to have the right equipment for the job. And of course North American made, as is all Pierce equipment. Got a tough job? These delimiters can hack it.



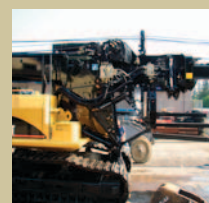
DRIVE CHAIN: 140D



CENTRALIZED LUBRICATION



BUTT PLATE



TRANSPORTATION MODE
(PTD2856 SHOWN)



NO SLABBING WITH
FRONT ARM POSITION

DELIMBER FEATURES	PMD3348	PTD2856
MECHANICAL High strength, heavy duty 12" x 12" monoboom. High strength, heavy duty 6" x 8" inner boom. Maintenance free floating trough. Retractable butt plate with pivot cylinder and integrated hydraulics: optional. Tunnel-style base boom designed specifically for each carrier model. Adjustable roller on outer and inner booms. 2 Fixed tandem rollers and adjustable vertical rollers on carriage. Adjustable horizontal rollers on carriage. Single roller and adjustable vertical rollers on main boom. Expander main pin used at interface between carrier & delimeter.	<ul style="list-style-type: none"> • • • • • • • • 	<ul style="list-style-type: none"> • • • • • • • •
ARMS Cast arms optimum for large diameter stems, as well as multi-stem handling. Forward front gram arm positioned only inches from the top saw virtually eliminates slabbing. Front grab arms properly position log in trough. Locked or independent front grab arms. Locked front grab arms.	<ul style="list-style-type: none"> • • • • 	<ul style="list-style-type: none"> • • • •
TRANSPORTATION Mechanical system for transportation. Hydraulic system for transportation: optional.	<ul style="list-style-type: none"> • • 	<ul style="list-style-type: none"> • •
DRIVE SYSTEM Chain driven for optimum measuring characteristics: 140D. Cable driven inner boom. Fixed displacement drive motor. Heavy duty drive cables.	<ul style="list-style-type: none"> • • 	<ul style="list-style-type: none"> • • • •
SAW SYSTEMS Swing out top saw door/saw assembly for easy saw maintenance. 3/4" pitch top and butt saw with manual tensioning.	<ul style="list-style-type: none"> • • 	<ul style="list-style-type: none"> • •
HYDRAULIC SYSTEM "Soft clamp" proportional pressure. Protected, enclosed delimiting head hydraulics. 4" diameter delimb arm cylinders & hold arm cylinders. 4 1/2" diameter delimb arm cylinders & 4" hold arm cylinders. Lock valves on delimb and hold arm cylinders. Simple and proven.	<ul style="list-style-type: none"> • • • • • • 	<ul style="list-style-type: none"> • • • • • •
MEASURING SYSTEM Intellitac Measuring System. Initiate measuring with photocells or butt plate. 'Stop-on-mark' measuring eliminates searching for correct cut location.	<ul style="list-style-type: none"> • • • 	<ul style="list-style-type: none"> • • •
SERVICEABILITY Swing out top saw door for easy saw maintenance. Ground level centralized lubrication system for easy maintenance and longer working life. All hose and cable tensioning in one central location.	<ul style="list-style-type: none"> • • • 	<ul style="list-style-type: none"> • • •



SPECIFICATIONS	PMD3348		PTD2856	
DIMENSIONS **				
Tail swing	40' 1"	12.22 m.	28'	8.53 m.
Minimum reach	13' 6"	4.11 m.	14' 10"	4.52 m.
Maximum reach	49' 4"	15.04 m.	59' 4"	18.08 m.
Operating height	16' 10"	5.13 m.	16' 10"	5.13 m.
Transport height	12' 11"-13' 6"	3.9 m.-4.1m.		
Maximum decking height	11' 7"	3.5 m.		
WEIGHT**				
Weight in operating mode	23,026 lb.	10,444 Kg	20,000 lb.	9,071 Kg
DELIMBING				
Delimiting capacity	27"	69 cm.	24"	61 cm.
Handling capacity	33"	84 cm.	28"	71 cm.
SAW SYSTEMS				
Maximum Top Saw Capacity				
Top saw (3/4" pitch)	25"	64 cm.	22"	56 cm.
Maximum Butt Saw Capacity				
Carriage but saw (3/4" pitch)	34"	86 cm.	29"	74 cm.
BOOM DRIVE SYSTEM:140D CHAIN DRIVE				
Speed	11 ft./sec.	3.4 m./sec.	14 ft./sec.	4.3 m./sec
Horizontal pulling force	10,000 lb.	44.5 kN	10,000 lb.	44.5 kN.
RECOMMENDED CARRIER SPECIFICATIONS: ALL BRANDS				
Size		22-30M.T.		20-24M.T.
Hydraulic Pressure	3,600 PSI		4 ,500 PSI	
Required flow	2 x 50-60 gpm	2 x 170-225 l./min.	2 x 50-60 gpm	2 x 170-225 l./min.

Characteristics and technical data mentioned can be modified without prior notice and may vary depending on carrier.
**May vary according to options and base carrier.