

## STEEP-SLOPE LOGGING EQUIPMENT DESIGN & MANUFACTURING

At T-MAR we are dedicated to making our customers more competitive. That means higher operating efficiency, higher reliability and superior customer support.

We do that by designing and building modern, efficient, fast and reliable machinery. Our purpose-built machines work harder and run faster than anything else on the market. Our machines are built to last with, current components, innovative technology and quality workmanship.

We do it in a state of the art shop, with dedicated people and innovative engineering. With a deep understanding and years of experience in cable equipment and logging grapples, we design and build the best equipment possible. Our skilled staff and updated tooling provide the high quality and availability that our customers demand.



[www.tmarequipment.com](http://www.tmarequipment.com)

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T-MAR Grapple Sales & Service

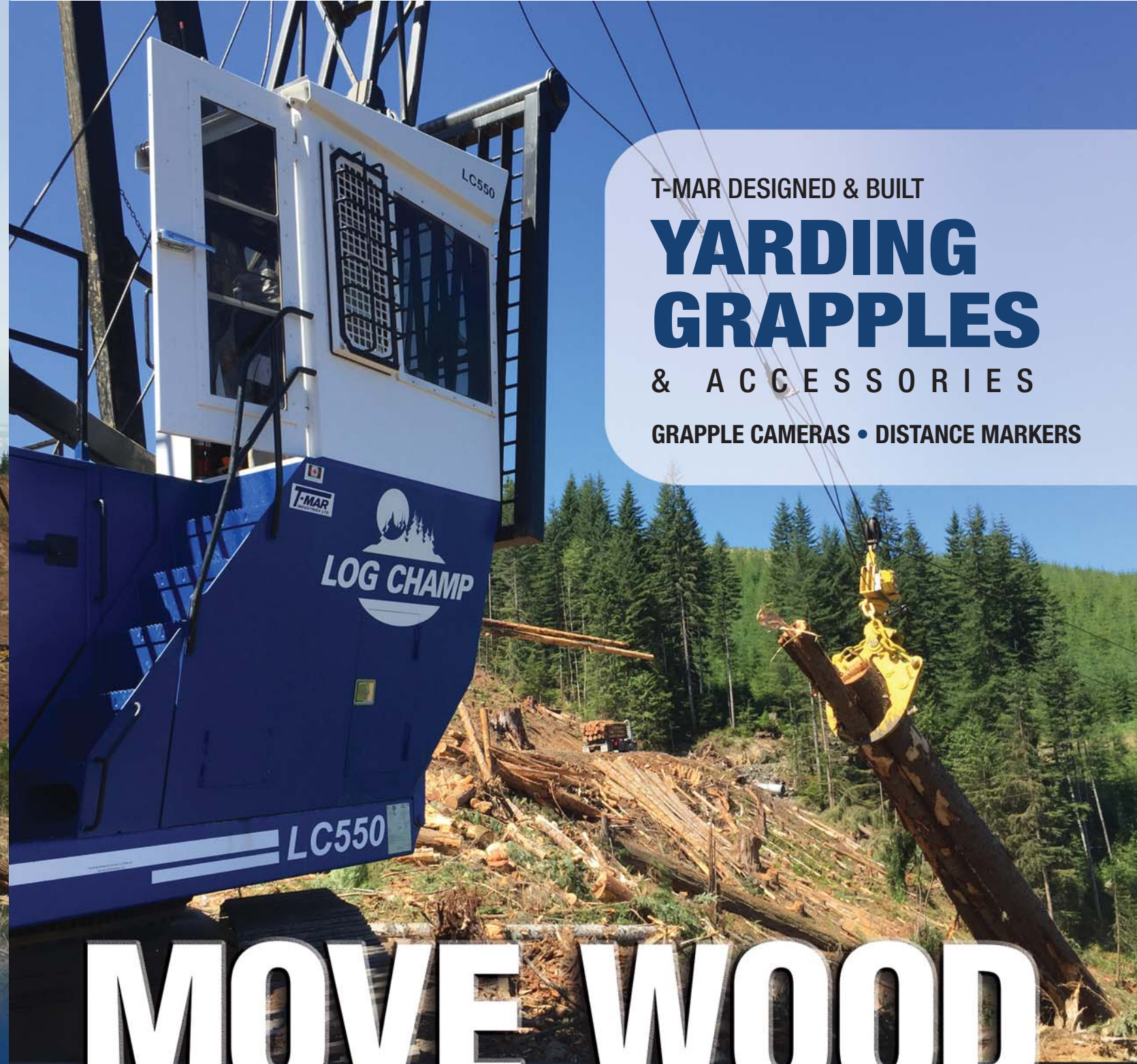
**1-800-208-2217** [www.tmarequipment.com](http://www.tmarequipment.com)



*Designed and manufactured  
in Campbell River, BC Canada*



Grapple Camera technology is revolutionizing safety by allowing the machine operator to move logs quickly and efficiently without the need for ground crew.



T-MAR DESIGNED & BUILT

# YARDING GRAPPLES

& ACCESSORIES

GRAPPLE CAMERAS • DISTANCE MARKERS

# MOVE WOOD

QUICKLY • SAFELY • EFFICIENTLY



MAKING OUR CUSTOMERS  
MORE COMPETITIVE



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# MOVE WOOD SAFELY & EFFICIENTLY WITH T-MAR BUILT YARDER GRAPPLES

Using the latest 3D Modeling Software we were able to optimize the leg design to achieve maximum usable volume and superior balance. We designed the leg profile using computer models of various logs and bundles to ensure a positive hold on single logs and bundles for a grapple that's fast, efficient and productive. The grapple opens easily without flipping over, even when empty. You can count on our 30+ years of design, repair and manufacturing experience to deliver a quality Swing Yarder Grapple that helps make you and your company successful!



T-MAR Yarding Grapples incorporate a new, innovative design for holding bundles, grabbing tops and minimal line pinching and abrasion.

## YARDING GRAPPLE FEATURES

- Innovative leg hanging arrangement provides excellent opening action and resistance to inverting.
- Can be reeved single or double
- Hangs onto bunches
- Small closing width for grabbing tops
- Replaceable manganese steel wear buttons

## MODELS & SPECIFICATIONS

### 86" Heavy Duty

- 2" QT100 Legs
- Weight: 2435 lbs.

### 98" Heavy Duty

- 2 1/2" QT100 Legs
- Weight: 2931 lbs.

*\*All weights are for grapple and carriage.  
Due to on-going product review and improvements specifications may change without notice.*

## GRAPPLE CAMERA

T-MAR's Grapple Camera features excellent HD picture quality while Increasing Safety and Productivity.

Keep production going on foggy days or low light / poor visibility days. The Grapple Camera allows for faster grapping in blind spots and long distances, giving operators a birds eye view of Hook Tenders and the hillside. The camera works great in broken ground conditions, over breaks and "fishing" in brush piles without losing contact. Keep the Hook Tender out of harms way and REDUCE RISK associated with crew on the hillside. Frees up time for him to go change the back end to keep production going.

**RANGE:** 1500 ft. / 500 meters (Normal condition)  
3000 ft. / 1000 meters (Direct Line Of Sight)

**WEIGHT:** 63 lbs. / 30Kg

- 19 Inch LED Monitor with HD quality, displays the grapple / area operation in real time
- Rugged 100QT (T1 steel) housing with O-Ring seal cover plate
- Replaceable scratch resistant MARGUARD™ Lens
- Transmitter is potted and mounted in aluminum housing with shock absorbing mounts
- Two long life, high density lithium polymer batteries with 10~12 hour run time per battery
- Universal 12V or 120V battery charging station
- In-cab receiver has two antenna inputs and allows recording of operation onto USB Stick
- Two mounting bolts for simple installation and removal

## DISTANCE MARKER

MARK your LAST STOP, so you can FLY BACK OUT to GRAB another load.

- Simple & Reliable
- Suits any Machine - YARDER or TOWER
- Remote Push Button to Mark "HOME"
- Bright LCD Touch Screen Display is EASY to read in any light
- Customizable audible alarm alerts you as you approach your target



Grapple Camera and Distance Marker technologies allow machine operators to work safely and efficiently without the need for ground crews.

### CARRIAGE

- Roller Bearings • 12" Sheaves
- QT100 Construction
- Manganese Rope Guide
- Swivel for Block Hook-up

### SHACKLES

- Innovative shackle style pivot keeps legs upright in all positions

### SINGLE OR DOUBLE SHEAVING

- Sheaves: 14" Centre | 10" Legs
- Closing Line: 3/4" - 1" Wire Rope

### LEGS

- QT100 Construction
- Manganese Rope Guide
- Induction Hardened Pins
- Aluminum Bronze Bushings
- Designed with maximum useful openings to gather in logs