

## 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.

**T-MAR**  
INDUSTRIES LTD.

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

5791 Duncan Bay Road,  
Campbell River, BC, Canada V9H 1N6



Designed for high speed and multi-stem capacity to move wood as quickly as possible; in hand and machine felled settings.



  
**LOG-CHAMP  
YARDERS**

**LC550**

31,750kg Pull

455m Reach

One Piece Move

**LC650**

43,100kg Pull

560m Reach

Two Piece Move

# MOVE WOOD

QUICKLY • SAFELY • EFFICIENTLY

**T-MAR**  
INDUSTRIES LTD.

MAKING OUR CUSTOMERS  
MORE COMPETITIVE



NEW ZEALAND SALES

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# MOVE WOOD SAFELY & EFFICIENTLY WITH T-MAR INDUSTRIES LOG-CHAMP YARDERS

## LOG-CHAMP 550 & 650 Features

### WINCH

- Efficient right-angle drive eliminates chain case
- Regenerative braking in both directions
- Side by side drum arrangement with large diameter drums
- Equal speed drum reversing
- Splined shafts for easy maintenance
- Aerospace quality heat treated alloy gears for maximum efficiency and durability

### HYDRAULICS

- Dual Piston pumps and valving provide flow for travel, swing, boom hoist, guylines
- Variable speed hydraulic auto-reversing cooling fan
- Hydraulic constant speed cooling pump
- Hydraulic 60 CFM rotary vane air compressor

### CAB & CONTROLS

- Rear entry forestry style cab with tall front window
- Parker IQAN electronic control system with electronic joystick controls
- Touchscreen gauge cluster with on-screen diagnostics
- Electric over hydraulic / air for smooth, tight winch control
- On-screen distance readout with audible proximity alert



Easy relocation with a self folding boom and gantry, power tilting cab on both models. In addition the 550 can be moved in a single load.

CAT Tier 3 and Tier 4 engines and transmissions offer excellent power, reliability and fuel economy.



## LC550

### POWER

Caterpillar C9 Tier3  
350 HP @ 2200 RPM  
860 Litres Fuel Capacity

### TRANSMISSION

Caterpillar CX28  
Lockup Torque Converter  
5 Forward Speeds

### SWING

L&S Planetary Drive  
139,650Nm Swing Torque  
1918mm Bearing

### MAIN DRUMS

Capacity: 455m (3/4") Swaged Rope  
Maximum Line Pull: 31,750Kg  
Hydraulically Actuated Main Pulling and Drum Clutches  
New Generation Wichita 225  
Water Cooled 25" Slip Clutch  
Lebus style Lagging Standard

### HAULBACK DRUM

Capacity: 945m Swaged Rope  
Maximum Line Pull: 31,750Kg  
Hydraulically actuated Pulling Clutch  
New Generation Wichita 225  
Water Cooled 25" Slip Clutch  
Lebus style Lagging Standard

### STRAWLINE DRUM

Capacity: 1372m (3/8") Rope  
Line Pull: 6800Kg

### BOOM

15.3m with Swivel Fairlead for Haulback  
508mm Diameter, Wide Mainline Sheaves  
508mm Diameter Haulback Sheave  
Staggered Fairleads Reduce Line Wrap  
Live Boom

### GANTRY

11m High Walking Fairlead Design  
3 Guylines, Cab and Wireless Controls  
Capacity: 76m (1" Dia.) Swaged  
Gantry Raising / Lowering Package Std

### UNDERCARRIAGE

CAT Track Frames and Components  
203mm Pitch Excavator Rail  
c/w 610mm Pads  
10 Heavy Duty Excavator Rollers  
L&S Final Drives c/w 2 Speed Motors

### SHIPPING

Operating Weight: 47,625Kg  
Shipping Width: 3.8m  
Height: 3.35m

## LC650

Caterpillar C15 Tier3  
475 HP @ 2200 RPM  
1300 Litres Fuel Capacity

Caterpillar CX31  
Lockup Torque Converter  
5 Forward Speeds

Dual L&S Planetary Drives  
237,250Nm Swing Torque  
1918mm Bearing

Capacity: 560m (7/8") Swaged Rope  
Maximum Line Pull: 43,100Kg  
Air Actuated Main Pulling Clutch  
Hydraulically Actuated Drum Clutches  
New Generation Wichita 136  
Water Cooled 36" Slip Clutch  
Lebus style Lagging Standard

Capacity 1200m (7/8") Swaged Rope  
Maximum Line Pull: 43,100Kg  
Air Actuated Pulling Clutch  
New Generation Wichita 136  
Water Cooled 36" Slip Clutch  
Lebus style Lagging Standard

Capacity: 1372m (3/8") Rope  
Line Pull: 6800Kg

18.3m with Swivel Fairleads All Lines  
508mm Diameter, Wide Mainline Sheaves  
610mm Diameter Haulback Sheave  
Staggered Fairleads Reduce Line Wrap  
Live Boom

12.8m High Walking Fairlead Design  
3 Guylines, Cab and Wireless Controls  
Capacity: 92m (1 1/8" Dia.) Swaged  
Gantry Raising / Lowering Package Std

CAT Track Frames and Components  
216mm Pitch Excavator Rail  
c/w 710mm Pads  
11 Heavy Duty Excavator Rollers  
L&S Final Drives c/w 2 Speed Motors

Operating Weight: 63,500Kg  
Shipping Width" 4.27m  
Height: 3.90m