

# 850

## WOODSMAN PRO<sup>®</sup>

# CONTINUOUS ROTATION TREE HARVESTER

## WOODSMAN PRO 850

The ultimate tool for mechanised harvesting in New Zealand, our “Big Woodsman” will go to work on the most demanding trees and reliably produce clean stems and high-quality logs with speed and efficiency.

The Woodsman Pro 850 has been developed specifically to perform in our challenging local forests.

This processing head weighs 5.2 tonnes and is suitable for 32+ tonne base machines.

The Woodsman Pro 850 is paired with our LOGGIC control system for superior performance and ease of operator use.

DESIGNED AND  
MANUFACTURED BY



PRECISION  
CONTROL BY

LOGGIC<sup>®</sup>



**WOODSMAN PRO<sup>®</sup>**  
**850** DESIGNED AND MANUFACTURED BY ENSIGN

[WOODSMANPRO.CO.NZ](http://WOODSMANPRO.CO.NZ)





## FEATURES

- Continuous 360° rotation for manoeuvrability.
- Well concealed yet readily accessible hosing from machine arm to the control valve mounted in the head so downtime due to damaged hydraulic lines is kept to a minimum.
- On-board fault diagnosis for head and base machine.
- Strong unyielding chassis with minimal wear to all pin connections after thousands of hours of harsh operation.
- Fabricated steel control valve bonnets providing easy access to main control valve and critical maintenance areas.
- Feed wheels feature reversible mounting to enable more even wear and prolong service life.
- Large range of service exchange parts available to minimise down-time.
- Heavy duty delimb arms - two sets (upper and lower) are individually controlled.
- Maximum delimb knife opening is 874 mm.
- Top floating delimb knife and keepers feature replaceable wear pads to help avoid expensive rebuilds.
- Replaceable delimb knife inserts using a patented single bolt-in knife tensioning system.  
*NZ provisional patent application no. 742153.*
- Replaceable bolt-in belly wear plates.
- Knuckle design allows for large swing arc and excellent grease point access.

FOR SALES ENQUIRIES CONTACT  
**ADAM ALDWORTH**  
**P: + 64 27 370 8468**  
**E: ADAM@ENSIGN.CO.NZ**

**WOODSMANPRO.CO.NZ**



### DIMENSIONS

**Weight:** 5263 kg (11603 lb) (incl. knuckle)  
**Max height:** 3653 mm (143.8 in) (incl. knuckle)  
**Max width:** 2508 mm (98.7 in)  
**Max harvest tilt:** 146 deg

### DELIMB

**Max delimb knife opening:** 874 mm (34.4 in)  
**Max delimb capability:** Ø800 mm (Ø31.5 in)  
**Max full coverage delimbing diameter:** 695 mm (27.3 in)  
**Knife edges:** Replaceable - hardened, wear resistant steel.

### DRIVE

**Feed force @ 350 bar:** 60.6 kN (13600 lbf)  
**Feed speed @ 400l/m:** 3.5 m/s (11.5 ft/s)

### MAIN SAW

**Max saw cut:** Ø930 mm (Ø36.6 in)  
**Bar length:** 38, 40, 43 in  
**Chain pitch:** 0.75 in

### TOP SAW

**Max saw cut:** Ø590 mm (Ø23.2 in)  
**Bar length:** 28 in  
**Chain pitch:** 0.75 in (0.404 in optional)



**ENGINEERING SERVICES ROTORUA LTD**

73 Biak St, Waterford Park, Rotorua, New Zealand

**P. +64 7 348 1286**

**E: INFO@ENSIGN.CO.NZ**