

# TimberRite

MEASURING CONTROL SYSTEMS



**When you rely on a Waratah harvester/processor** for day-to-day operations, you need to know you're getting maximum productivity for your investment. TimberRite measuring control systems — designed to complement the Waratah 200-, 400-, and 600-Series — let you manage your workload through intelligent control systems, real-time information access, and wireless data transfer. The TimberRite 30Lite and 30H can send and receive production information, machine settings, and harvesting instructions to and from virtually any professional system in the forestry business — all from the cab of your machine.

After its seamless installation on any carrier, TimberRite helps you monitor your harvester/processor head to ensure maximum productivity. It provides you with work and repair statistics so you can monitor uptime and operating costs. And with the optional color printer you can print production reports, worksite instructions, log tables, and more.

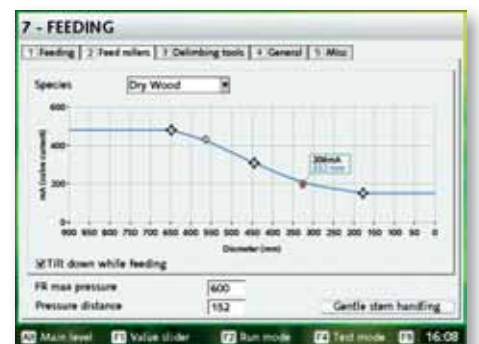
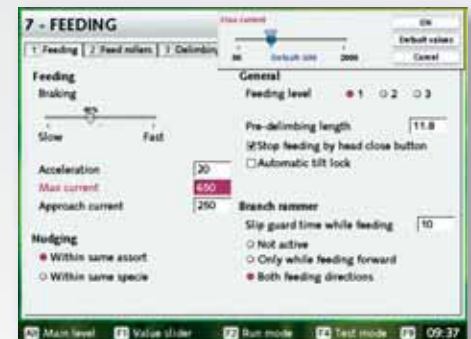
Offering you everything from email and a color printer to USB sticks, TimberRite turns your harvester into a high-tech office in the woods.

## TimberRite 30Lite

Imagine having a fast, powerful control system — right in the middle of the forest. The TimberRite 30Lite is a PC-based system integrating the control of the harvester/processor head with the measuring and bucking of timber. It displays all the information you need on a large color monitor, so with one glance you can see lengths, diameters, and assortments. And you can navigate menus faster and more easily using the keyboard or touchpad mouse.

In addition to its user-friendly features, the TimberRite 30Lite has enough memory for an unlimited number of sites and personal settings for up to six different operators. That means operators can customize the system to suit their individual needs — and more work can be done with the help of one flexible system.

With its unique versatility, the TimberRite 30Lite enables you to specify eight preselected species and 40 preselected lengths per species to streamline your mixed-timber stands and large cutting lists. It also provides multiple levels of soft clamping for the drive arms and delimiting arms for each species. The new length-stepping feature replaces “Nudge.” With these automatic settings, you can focus less on your cutting lists and more on what’s really important: getting the job done right.



**On-screen access to real-time information keeps you working hard — and smart.**



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## TimberRite 30H

Even if you're miles away from the office, the TimberRite 30H system brings technology to you. Everything from email — which allows you to receive and send production information, machine settings, and harvesting instructions regardless of your location— to conveniences like CD-ROM and a USB stick. Likewise, StanForD files ensure that data can interchange with virtually any professional system in the forestry business; data transfer is easy with a GSM or GPRS connection, a satellite phone, or a USB stick.

The TimberRite 30H system also optimizes the stem in terms of value bucking (dollar values per log sort) or using a limitation matrix. Creating estimates on total stem diameter, the system quickly learns the typical stem profiles within the tree stand and makes the most merchantable bucking choices for the mill.

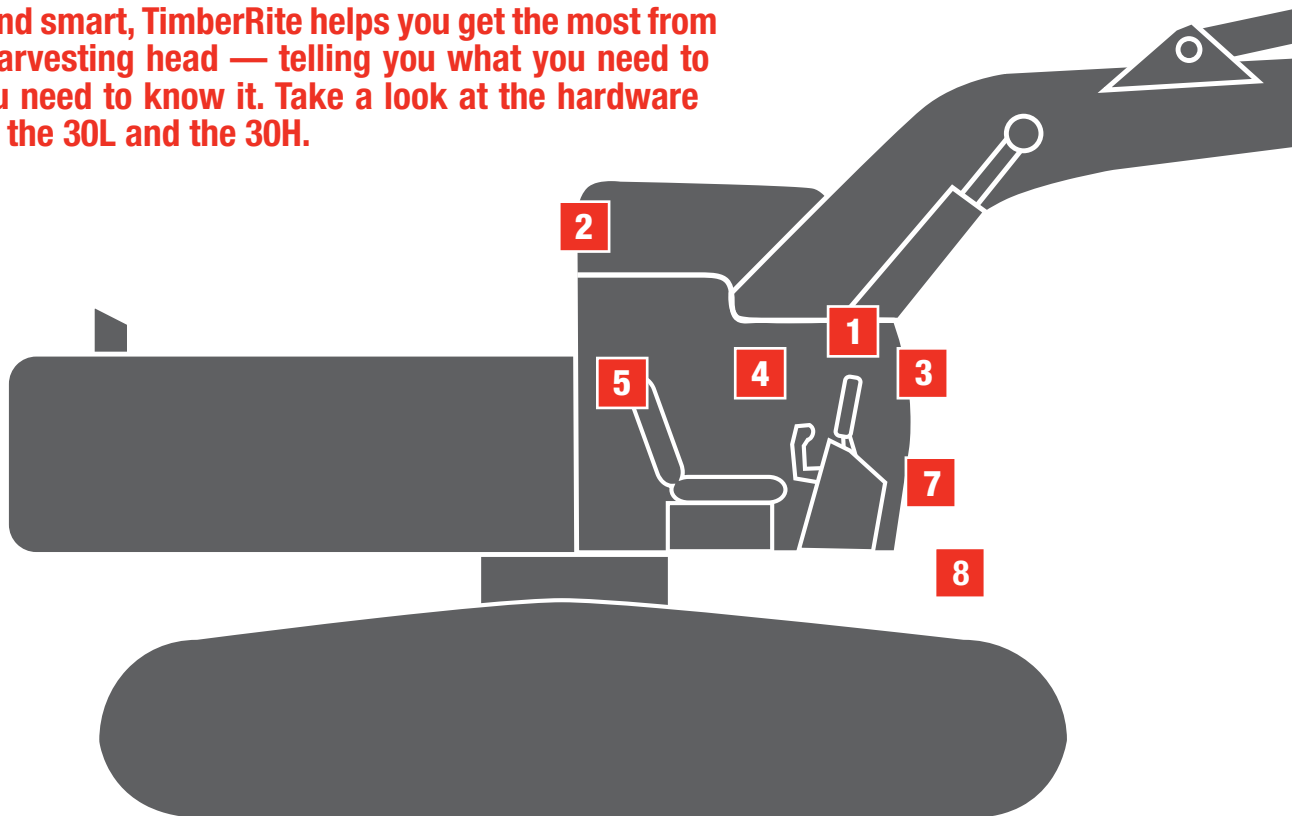
The TimberRite 30H features work and repair statistics to help you monitor uptime, productivity, and operating costs. And for easy data and information collection, you can plug a memory stick into the USB port and download all your production reports, worksite instructions, repair follow-ups, calibration history, log tables, and more — for information always at your fingertips.

Additionally, the TimberRite 30H system makes diagnostic tests on inputs, outputs, or sensors much simpler. It's all part of Waratah's effort to keep you updated and in charge — you don't have to wonder whether your machine is working to full capacity, and you can rest assured you're getting the most productivity for your time.

## TIMBERRITE PROPERTIES, DEVICES, AND OPTIONS

<b>Hardware:</b>	<b>TimberRite 30Lite</b>	<b>TimberRite 30H</b>
Harvester PC (HPC07) with 1.6-GHz processor and 1-GB RAM	Yes	Yes
Windows® XP Professional operating system	Yes	Yes
Hard-disc backup on DVD	Yes	Yes
Color TFT 10.4-in. display with 1024*768 resolution	Yes	Yes
Connections: CAN (2 pcs.), USB (4 pcs.), DMI (1 pc.), and Audio (1 pc.)	Yes	Yes
Keyboard and touchpad (with USB connection)	Yes	Yes
Memory-stick capable	Yes	Yes
Ink-jet printer	Optional	Optional
Electronic calipers	Optional	Optional
DVD drive (USB connection)	Optional	Optional
GPRS modem	No	Optional
GPS antenna (USB connection)	No	Optional
<b>Software:</b>		
Optimization with external application for cutting instructions	No	Yes
Preselection-based system with internal tool for cutting instructions	Yes	No
Multiple worksite handling	No	Yes
Production handling per operator	Yes	Yes
Work and repair statistics	Yes	Yes
Production reporting (file saving and printouts)	Yes	Yes
Email	No	Yes
Settings backup	Yes	Yes
Sound settings	Yes	Yes
Multi-language	Yes	Yes
Support for external applications (SilviA, TimberNavi, TimberLink, etc.)	No	Yes
Harvester-head settings	Yes	Yes
Diameter and length calibration	Yes	Yes
Diagnostics	Yes	Yes
Capability for manually switching off sensors	Yes	No
Support for both metric and imperial systems	Yes	Yes
Versatile top-saw features	Yes	Yes
Software-controlled filter indication	Optional	Optional
Capability for manual control of base machine leveling	Optional	Optional
Software support for heel-rack feature	Optional	No

Hard-working and smart, TimberRite helps you get the most from your Waratah harvesting head — telling you what you need to know, when you need to know it. Take a look at the hardware components for the 30L and the 30H.



### 1 Display Module

- 26.4-centimeter monitor
- Colorful and clear graphical user interface
- PC keyboard and touchpad mouse



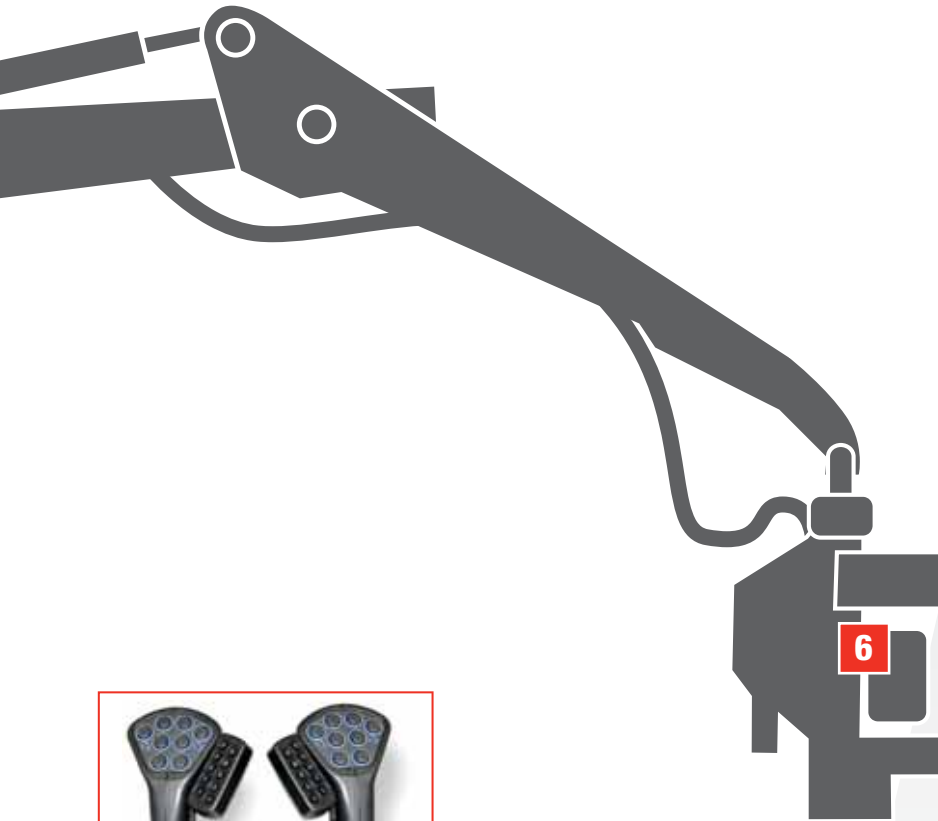
### 2 CPU Module and Key Switch

- CPU (Central Processing Unit)
- PC-based system (with key switch)
- Windows operating system
- Intel® Pentium 1.6-GHz mobile processor
- Compact Flash (512 MB to 8 GB) or rotating hard disc (2.5 inches, < 40 GB)
- 2 x CAN connections
- 3 x data-transfer ports
- Connections for keyboard, mouse, and printer
- 4 x USB ports
- 2 x Video-In connections
- Email and GPS (option)



### 3 Joystick Module

- Module for SureGrip and Danfoss joysticks
- Converts key signals into CAN Bus signals



#### **SureGrip or Danfoss Joysticks**

- For comfortable control of harvester head functions
- Harvester head control switches
- Preselection keypads
- Programmable joystick buttons



#### **CrossFire Module**

- Controls base machine pumps
- 24-volt power supply



#### **Harvester Head Module (HHM)**

- Processes and conveys control signals to the harvester head and measuring data from the harvester head



#### **Color Printer (option)**

- Color printouts for production, calibration data, work statistics, etc.



#### **USB Stick**

- Enables convenient data storage and file transfer between machines and worksites