

## Original Equipment Manufacturer finds Competitive Advantage at GS Global Resources

**Industry:** Forestry and Logging

**Product Name:** Feller Buncher

**OEM:** TimberPro Inc. | Shawano, WI



### Technical Solutions Overview

The TimberPro TL765C is equipped with a powerful Cummins QSC8.3L engine, a technologically advanced IQAN-MD4 touch screen control system, Parker Energy Recovering Smart Valve and a dedicated dual hydrostatic swing system. The TL765C is the perfect balance of power, performance, and productivity.

Objectives for the TL 765C were achieved through an integrated hydraulic, electronic and software engineered solution ready to plug-and-play using technologically advanced Parker IQAN-MD4 touch-screen control system and a Parker energy recovering smart valve.

### Productivity = Profitability

The timber industry constantly seeks improved ability to put more wood on the ground. More wood on the ground equals improved profitability for time spent on the job site.

"The technical skills of the GS Global Resources' engineering team are beyond compare," (Read the story here)...

### Video

[TimberPro TL765-C Buncher Cutting "BIG" Wood](#)  
[TimberPro Steep Slope Logging TL765C](#)

### Challenge | Project Objective:

- :: Achieve Best-in-Class Fuel Economy
- :: Develop Energy Recovery System
- :: Save horsepower during boom operation
- :: Greater boom control

### GS Global Resources Solution:

#### Control System

- :: 10" High-resolution touch screen control system
- :: Engine management
- :: Troubleshooting diagnostics
- :: Joysticks
- :: CAN-bus switches

#### Hydraulic System

- :: Valve – Parker K220/L90LS with patented energy recovering smart valve technology
- :: Pump- Linde HPR165 load sense control

#### Software System

- :: Parker IQAN
- :: Training (collaboration among GS Global Resources, TimberPro and other suppliers)

#### Integrated Controls

- :: Plug-and-play
- :: Electronic integrate with OEMs engine (HP control, fan cooling control, safety locks)

### Results:

- :: Complexity removed
- :: Fast prototype (building during engineering process)
- :: Engineering support from start to finish (engineering, connect, test)
- :: Speed to market (nine months total)
- :: Better machine control
- :: Greater productivity putting more wood on the ground
- :: Service support for the life of the machine and those who touch it (training, continual support)

### Products and Software Used:

- :: Parker IQAN-MD4
- :: Parker K220/L90
- :: Parker IQAN software
- :: Linde HPR-02
- :: GS Global Resources Custom joystick engineered solution
- :: GS Global Custom CAN-bus switch engineered solution