

FOREST MACHINE INFORMATION SYSTEMS

THE MOST DIVERSE INFORMATION
TECHNOLOGY IN THE FOREST

DPF

PONSSE





HARVESTER SYSTEMS

PONSSE OPTI 4G

Creates seamless teamwork between operator and machine

PONSSE harvesters use the Opti 4G information system, which is the most advanced and easiest to use on the market. Opti 4G is the operator's user interface with the machine control system. In addition, it handles all of the operations required for cutting from data transfer to optimising and reporting.

The Opti system's easy-to-use programs offer convenience in managing optimising files and calibrating the machine. The system not only makes it easier to adjust the machine and its software, but it also includes reporting, data transfer and work management tools. The intelligent system produces other harvesting information, such as tracking operator working hours, production, machine operation and fuel consumption.

Because of the Windows operating system, data transfer and map applications can easily be installed in the forest machine. The optional PONSSE Opti Map 2 map program is a versatile map positioning program which has been designed for forest machines and supports the comprehensive Opti 4G information system.

Felling is easier with intelligent automation

The needs of the end-user of the timber determine how logs are cut on-site. Opti's automation makes the operator's work easier by controlling the cutting of logs according to the requirements stored in the system. The Opti Control system combines all machine controls in a single entity by making the measurement values, settings and adjustments easily available. Combined with a Ponsse harvester head, the efficient information system guarantees quick wood processing during logging, accurate measurements and high productivity.

Automatic time and efficiency tracking

PONSSE harvesters and forwarders with a PC are equipped with time and efficiency tracking as a standard feature. Once the driver has logged into the system, the program automatically collects information on time distribution, production, machine operation and fuel consumption. The operator can view all the reports on the display. The program also produces report files that can be read using the Opti Report program in the machine and the office.

FORWARDER SYSTEMS

PONSSE OPTI CONTROL

New level of forwarder management and accuracy

PONSSE forest machines feature outstanding performance, based on the Opti Control machine control system and an electronically controlled diesel engine. Opti Control makes machine control easier, with the crane, handles and buttons, drive transmission and diesel engine operating as a single easy-to-use entity.

PONSSE ECO DRIVE FOR FORWARDERS AND HARVESTERS

The PONSSE Eco Drive function makes it possible to monitor the productivity and work phases of an individual machine in detail. Momentary productivity can be compared to the productivity of the shift with the application. Work phase-specific indicators make it possible to develop working methods to be more productive and economical and ensure the functionality of adjustments. PONSSE Eco Drive is a system that instructs the user and gives measured feedback. Eco Drive can measure the effect of servicing on the productivity of the machine, for example.

OPTI FORWARDER

Opti PC accelerates wood procurement

PONSSE forwarders can be seamlessly linked with the wood procurement management system with the high-performance Opti PC system and Opti Forwarder software. This enables forwarding to be planned and implemented and roadside storages monitored almost in real-time. The software includes the Opti Control machine control system with operator profiles and data transfer and reporting programs to follow up forwarder productivity and fuel consumption. A map program with GPS positioning and a data transfer application can also be added to the system.

PONSSE LOAD OPTIMIZER

Getting the loads right on the scale

PONSSE Load Optimizer load scale is available to forwarders as optional equipment. The scale weighs and reports on the assortments transported to the roadside by driver and load. The calibration method, based on random weighing, has been developed to make it easier to track the measuring accuracy of timber during the driver's work. Ponsse Load Optimizer produces PRL and FPR files according to the StanForD standard, which can be read with the Opti Report reporting application.



BEST FEATURES OF INFORMATION TECHNOLOGY THAT HELPS THE OPERATOR

User friendliness is the guiding thought behind Ponsse's continuously evolving Opti forest machine systems. The design takes into account the wishes of operators along with the requirements of forest companies. The PONSSE Opti product family consists of machine control and work management systems for harvesters, forwarders and track-based applications.



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