

PONSSE



BUFFALO PLANTER

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THE ALL-IN-ONE SOLUTION FOR EXCEPTIONAL, HIGH-QUALITY PLANTING

Ponsse delivers sustainable harvesting solutions by listening closely to customer needs and continuously driving innovation in forest machine technologies. As a committed partner in sustainable forestry, Ponsse ensures that every tree harvested in regeneration felling's creates an opportunity for new growth. With the PONSSE Buffalo Planter, this vision becomes reality. Thanks to this solution, Ponsse offers a truly 360° service in the forestry sector, combining harvesting and replanting to maintain healthy, productive forests. This supports long-term forest regeneration.



Buffalo Planter is Ponsse's innovative solution for mechanized reforestation. It prepares the soil, plants seedlings, and irrigates, all in one seamless process. Built on the reliable Ponsse Buffalo forwarder, the Buffalo Planter addresses the growing market demand for mechanized forest planting and supports efficient, large-scale reforestation efforts driven by environmental, economic, and technological factors. As forestry planting transitions from traditional manual labor to advanced mechanized methods, Buffalo Planter leads the way toward a more sustainable future.

THE BENEFITS OF THE PONSSE BUFFALO MECHANIZED PLANTER

- One machine, full planting process
- Constant, high planting quality
- Total planting cost-effectiveness
- Safer and easier working conditions
- Higher planting volumes
- Planting automation and reporting

PLANTING PROCESS

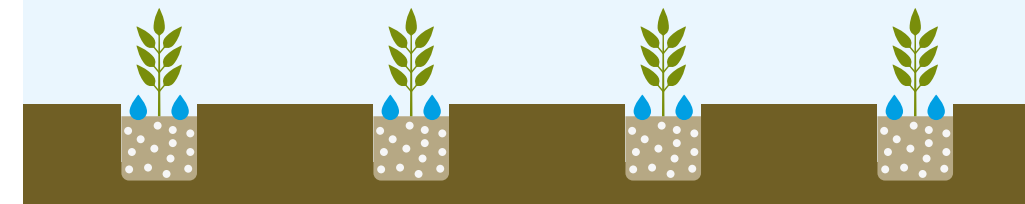


Capital letter P required

The Ponsse Buffalo machine combines soil preparation by pitting, irrigation, planting, and soil compaction into one efficient, streamlined process. Soil preparation can be included or omitted depending on site conditions. Compared to traditional planting methods, the Buffalo planter saves energy and reduces fertilizer and water consumption. By regulating fertilizer and water use, weed growth is minimized, providing planted seedlings with a better growing environment.



PONSSE BUFFALO PLANTER

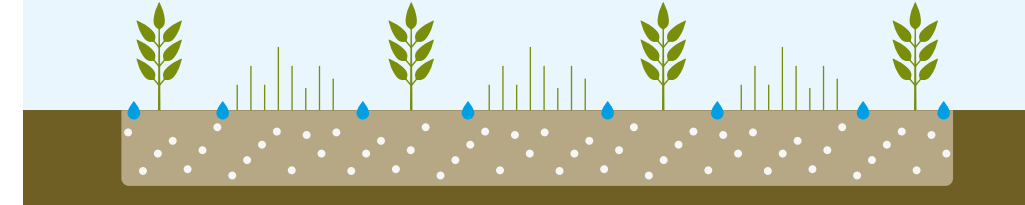


Soil is prepared only when needed, which saves energy.

Fertilizer and water are applied only directly at the seedlings.

Weed growth is minimized by preparing soil only when needed and applying fertilizer and water only at seedlings.

TRADITIONAL PLANTING METHOD



OPERATIONAL EFFICIENCY

The Buffalo Planter is designed to deliver exceptional planting performance with unmatched efficiency. In just about 95 minutes a full planting cycle is completed. When it's time to replenish, the process takes only around 15 minutes, minimizing downtime and keeping operations running smoothly.

PERFORMANCE

With soil preparation: ~750 seedlings/hour
Without soil preparation: ~1 300 seedlings/hour



SOIL PREPARATION & PLANTING
about 95 minutes



REPLENISHMENT
about 15 minutes

STRUCTURE

PONSSE BUFFALO FORWARDER
AS A BASE MACHINE

ERGONOMIC CABIN
AND A MODERN,
USER-FRIENDLY
INTERFACE

REQUIRES ONLY
ONE OPERATOR
TO PERFORM THE
WORK

FULLY ELECTRONICALLY CONTROLLED PLANTING

The machine relocates autonomously between planting spots, while the operator supervises driving and planting

SEEDLINGS STORED IN EASILY RELOADABLE RACKS

Reloading by base machine's loader

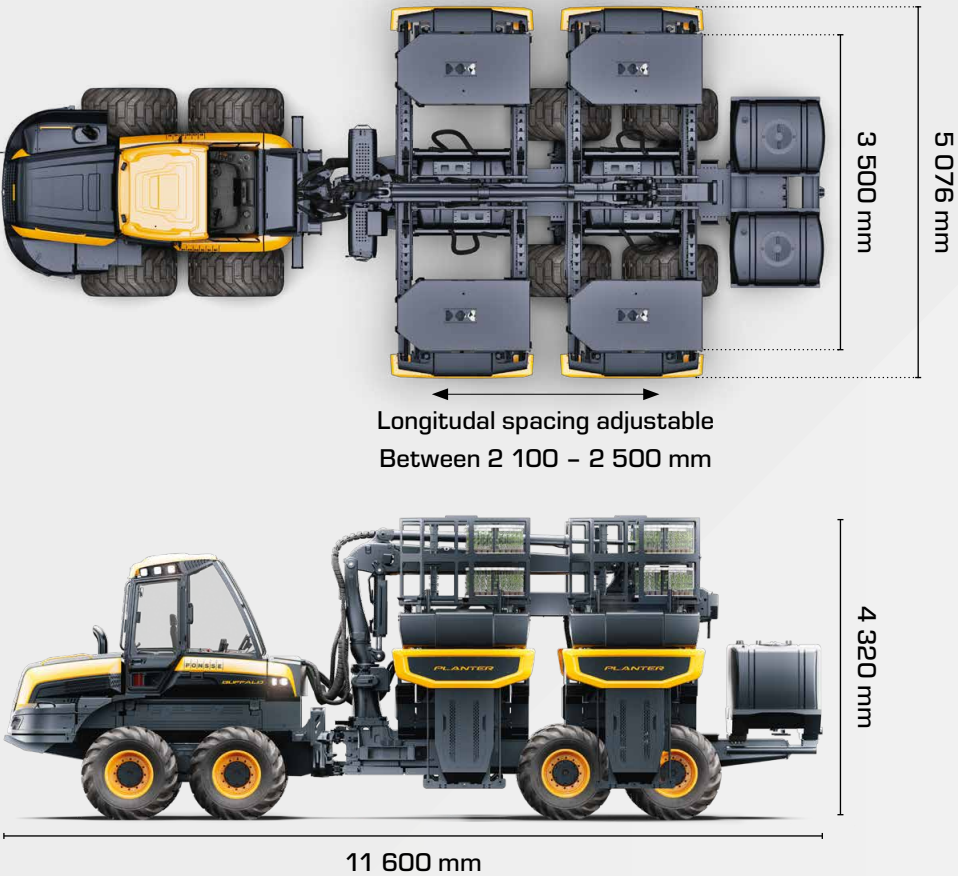
INTEGRATED TANK
FOR IRRIGATION

- 4 800 l of water
- Adjustable irrigation with water or hydra gel: 0–6 liters per seedling

INCLUDES 4 SUBSOILING AND PLANTING UNITS

- Planting units are located on the sides of the machine, 2 per side
- Each of the four plating unit operates simultaneously and is equipped with two heads, one for soil preparation, and one for planting, irrigations and compaction
- Seedling capacity per planting unit: 240
- Total capacity: 960 seedlings per load
- Flexible spacing – lateral spacing of 3 500 mm and longitudinal spacing of 2 100–2 500 mm

OPERATING DIMENSIONS



TRANSPORT DIMENSIONS

The machine quickly shifts into transport position for easy relocation.



DIMENSIONS AND MAIN SPECIFICATIONS

- Net weight of the machine: 29 800 kg
- Seedling longitude spacing: 2 100 – 2 500 mm
- Seedling lateral spacing: 3 500mm
- Accuracy of planting distance between plantings: 80 mm
- Subsoiling depth up to 600 mm
- Subsoiling diameter up to 400 mm
- Support for tracks

SEEDLING SUPPORT

- Seedling total length: 150–500 mm
- Root plug height up to 150 mm
- Root plug diameter up to 40 mm

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PYYDÄN UUDEN

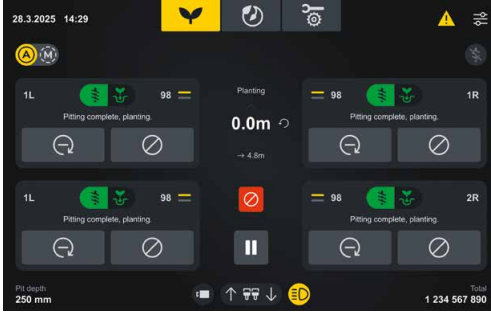
CABIN & INTERFACE

An ergonomic cabin combined with a modern, easy-to-use interface. The spacious and comfortable cabin, together with the ergonomic controls, guarantees the best working comfort.

The modern, user-friendly touch-based interface offers clear controls, intuitive navigation, and smart features that make daily operation faster, easier, and more efficient.

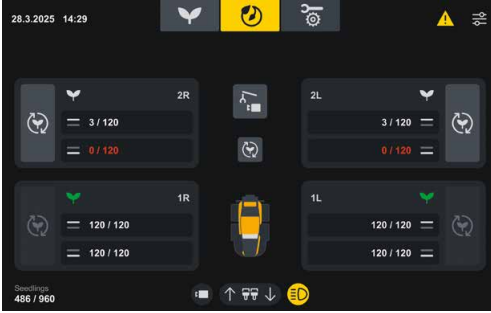
Full diagnostic support ensures quick troubleshooting and minimal downtime.

Cameras for reversing and planting heads provide excellent visibility and enhance operational safety.



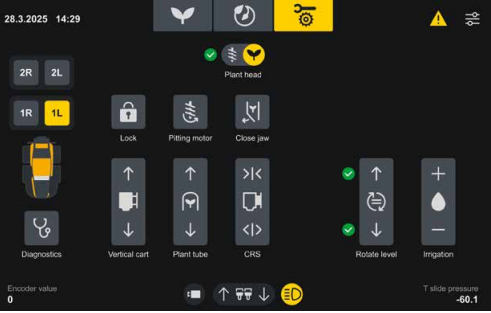
PLANTING VIEW

From the work view, you can see the planting stages, spacing between plantings, and other necessary information for performing the work.



REPLENISH

A view intended for resetting and refilling trays, showing the number of seedlings per tray and per level.



MAINTENANCE

For maintenance work.

RELOADING AND LOGISTICS

The planting machine requires pre-filled seedling cassettes and irrigation water. To maximize efficiency, it is recommended to use additional, lower-cost machinery for reloading logistics.

Reloading should be done on-site with minimal travel to the reloading location. Logistics vehicles deliver water and pre-filled seedling cassettes close to the machine.

THE PLANTING MACHINE FEATURES:

- A water tank with a decoupler for easy hose refilling
- A loader with a purpose-built gripping device for lifting seedling cassettes

The operator can quickly unload empty cassettes and load refilled ones using the machine's loader, streamlining the planting process.



FOUR QUICK-CHANGE SEEDLING CASSETTES hold up to 960 seedlings, maximizing planting efficiency.



OPTIONAL WATER TANKS, with a capacity of up to 4,800 liters, ensure an efficient water supply during operation.

QUICK WATER COUPLING – for fast and efficient refilling.

PONSSE SOLUTIONS FOR EFFICIENT AND RESPONSIBLE FOREST MANAGEMENT

DIGITAL SOLUTIONS



PONSSE BUFFALO PLANTER



PONSSE HARVESTERS AND FORWARDERS



PONSSE FIRE FIGHTING EQUIPMENT



A logger's best friend



PONSSE PLC

Ponssentie 22
FI-74200 Vieremä
FINLAND
Tel. +358 20 768 800
www.ponsse.com



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