

tipard 1500



The All-rounder. Optimized for the mid-range performance and suitable for use in the most important work processes.

Summary

The **tipard 1500** is the versatile all-round model in the tipard family – designed for flexible use in all medium to light horticultural work. Thanks to its robust construction, variable track and frame width, and high ground clearance, it is ideal for various field work where high precision and impact are required.

Description

The **tipard 1500** is designed for precision applications and, with a gross vehicle weight of 2500 kg, can carry a payload of up to 500 kg in the field. Depending on the application scenario, a fixed frame width between 2.0 m and 3.0 m can be selected. Telescopic axles enable hydraulic track adjustment from 1.1 m to 2.25 m. This allows the platform to be optimally adapted to changing tramlines and crops, both in longitudinal and lateral travel. A ground clearance of up to 1.1 m allows use even in tall crops, while large-volume 12 or 16-inch radial tires with a maximum air pressure of 1 bar reduce soil compaction.

The chassis has optional active hydraulic control, which enable both rolling and pitching of the frame, while also allowing variable height adjustment – ideal for precise guidance of implements. The height adjustment also makes it easier to pick up attachments safely. The independent 4-wheel steering makes it extremely maneuverable, shortens turning maneuvers at the headland, and reliably compensates for slopes.

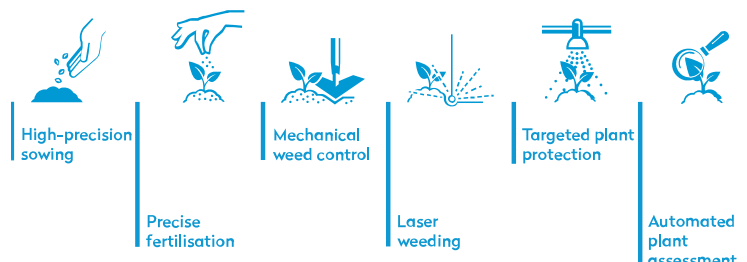
The movable main frame moves like a gantry across the surface and carries the implement centrally in the vehicle's center of gravity. This allows the attachment to follow every steering movement directly and without delay – without the need for complex sliding frames. This enables seed coulters, hoeing tools, or harvesting units to be guided with the highest precision. In addition, mounting points for sensors or computer vision systems are also available.

The diesel-electric engine enables continuous 24/7 operation. Thanks to the possibility of combining it with various attachments, the multi-carrier platform offers a wide seasonal window of use – from cultivation and maintenance to harvesting. Switching between transport and working positions takes just a few moments. Thanks to its compact transport dimensions, the **tipard 1500** can be transported on a standard trailer; loading is carried out via ramps – a special low-loader is not required.

The platform is operated via a web-based user interface directly on the vehicle. Alternatively, access can be gained via a secure connection using a mobile device or remote connection. In addition to autonomous operation, a convenient, wireless industrial remote control is available for manual control. Reliable connectivity is ensured by a 5G-enabled modem as well as optional satellite internet.

Versatile application

The **tipard 1500** is designed for numerous application – wherever precision and efficiency are crucial:



Technical data:

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|------------------------------------|---|
| Vehicle dimensions | Width: approx. 1.4 m Length: approx. 2.7 m up to 3.7 m (depending on the main frame length) Height: approx. 1.8 m |
| Weight | Max. gross weight 2000 kg (machine weight approx. 1500 kg; payload: approx. 500 kg) |
| Track width | Longitudinal movement: 1.4 to 2.25 m Lateral movement: 2.0 m up to 3.0 m (depending on the main frame length) |
| Ground clearance | 1,1 m +/- 0,1 m |
| Chassis | (active) self-levelling hydraulic chassis |
| Speed | Variable speed from 0.5 km/h up to 6 km/h |
| Drive type | Permanent 4-wheel drive |
| Power supply | Battery system (ca. 15 kWh) / Diesel engine (18 kW) |
| Operating time | Dependent on power supply and implement |
| Tyre dimensions (max. tire size) | 12" or 16" |
| Steering | 4-wheel independent steering |
| Brake system | Electric brake system |
| Device attachment | Three-point, flange points on the main frame |
| Lifting power | Up to 500 kg |
| Power take-off auxiliary drive | Max. 30 l/min hydraulic power available 2 hydraulic circuits |
| Auxiliary drive electrics | 48 V / 100 A; 12 V / 40 A |
| Self-localization | Dual-RTK GNSS receiver with heading Integrated IMU |
| Internet | 4G/5G (optional via satellite) |
| Operating temperature | -10 °C bis +50 °C |
| System voltage | 48 V / 12 V |
| Interfaces for third-party systems | Ethernet / CAN |
| Safety features | Long-range safety sensor (5 m to 10 m) Safety bumper 4x emergency stop buttons Geofencing |
| Operation | Wireless remote control Graphical web interface via touch display or remote access |
| Software | Online portal for machine management, including mission planning software |
| Supplies | Remote control, user manual and technical documentation |
| Service | The annual service fee includes support, software updates, maintenance (max. 500 operating hours) and machine breakdown insurance. |

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