

Roto

THE INTUITION OF A NEW CONCEPT OF MOVEMENT

Great innovations start from simple ideas. The ROTO range changed the movement method for telehandlers by introducing the rotating turret system that could rotate 360° without having to reposition the machine. Since 1991, the launch date of the ROTO range, the concept is becoming increasingly important on a global level taking the Merlo Group to the top of the sector.

The new ROTO family marks a new era, introducing new standards in the field of telehandlers for the Construction sectors and expanding the product offer with three different ranges. Differing in terms of content, increasingly adapting to the needs of different users, such as models destined for rental that stand out for their ease of use, to the top of the range models that contain all the features. Today, the new ROTO stands out for the new high-comfort cab, the new "modular" construction concept and for the use of technology that increases safety standards and an unparalleled level of performance and efficiency.



The 6 Key Features

- **Practicality**
- **Precision**
- **Comfort**
- **Safety**
- **Versatility**
- **Efficiency**

5 – Versatility
Fully compatible. With a wide choice of attachments specifically designed for Merlo telehandlers and interfaced with the exclusive automatic recognition system. The remote management system of the machine's movements, made via the Merlo developed radio control, allows ROTO to operate in multiple situations, increasing its versatility.

6 – Efficiency
Easier and smarter. The entire range is equipped with the powerful 170 HP engine combined with an electronically controlled hydrostatic transmission Eco Power Drive - EPD - that allows the engine rpm to be reduced when high power is not required. In addition, the dry disc brakes make it possible to limit the absorption of energy thereby reducing the consumption of the machine.

1 – Practicality
Ease of use. Ergonomics and ease of use are two of the key features of the Rotos. The innovative multifunctional armrest, built with automotive-style materials, is extremely intuitive to use and equipped with automatic systems for positioning the stabilizers. Even less experienced operators can manoeuvre the ROTO effectively.

2 – Precision
All at your fingertips. The dual hydraulic circuit - Load Sensing and Flow Sharing - allows simultaneous multiple movements of the boom and a rapid rotation of the turret, without reducing the accuracy of the movements, for precise positioning of the load. Furthermore, the hydrostatic transmission guarantees maximum precision in the machine's movements, ensuring millimetric variations in the movements.

3 – Comfort
The finest workplace. The new generously sized cab is anchored to a structure that can be tilted upward by 20°, giving the operator the ability to effortlessly follow the movements, of the load. The lower part of the cab is connected to the Silent-blocks to drastically reduce vibrations and noise. The tac-lock system for the hydraulic clamping of attachments without moving from the driver's seat, allows to further improve operator comfort.

4 – Safety
Not just perceptions. The turret is able to develop a continuous rotation. The automatic load management system - ASCS - equipped with a high-definition digital display for the operating and safety parameters, fitted as standard, guarantees maximum performance without altering the stability of the ROTO. The ROTO Advanced are equipped with active suspension systems to correct ground inclines, allowing the lifting of materials in complete safety.

