

# LEICA GRP system FX hardware

## Portable, precise, modular

The platform of the LEICA GRP System FX is the TGS FX track gauging trolley. Manufactured to the highest engineering standards, it combines precision sensors with practical design, making the LEICA GRP System FX a reliable partner in the challenging railway survey environment.

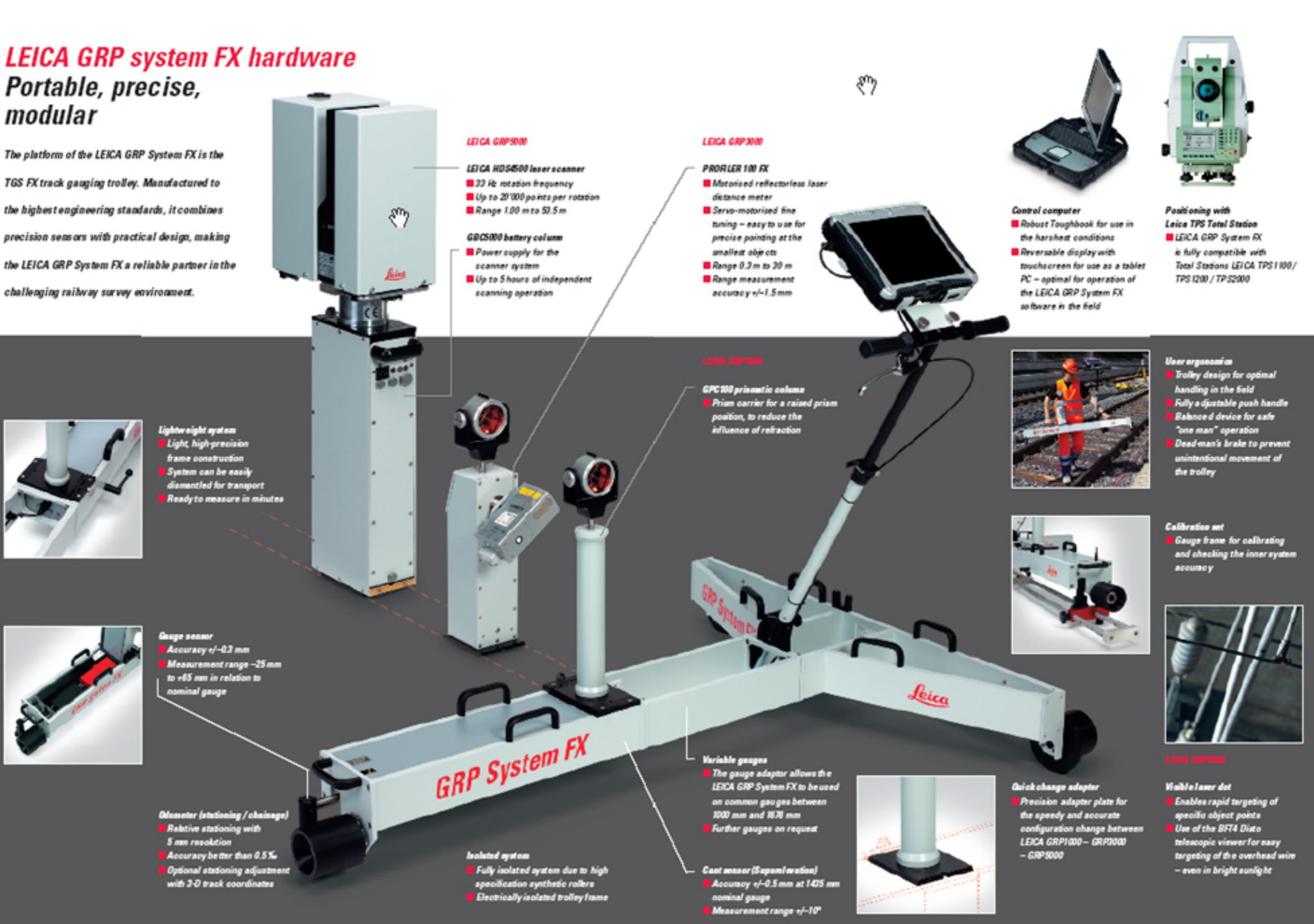


- Lightweight system**
- Light, high-precision frame construction
- System can be easily dismantled for transport
- Ready to measure in minutes



- Gauge sensor**
- Accuracy  $\pm 0.3 \text{ mm}$
- Measurement range  $-25 \text{ mm}$  to  $+85 \text{ mm}$  in relation to nominal gauge

- Diameter (stabilizing / chaining)**
- Relative stationing with  $5 \text{ mm}$  resolution
- Accuracy better than  $0.5\%$
- Optional stationing adjustment with 3-D track coordinates



- Positioning with Leica TPS Total Station**
- LEICA GRP System FX is fully compatible with Total Stations LEICA TPS1100 / TPS1200 / TPS2000



- User ergonomics**
- Trolley design for optimal handling in the field
  - Fully adjustable push handle
  - Balanced device for safe "one man" operation
  - Dead-man's brake to prevent unintentional movement of the trolley



- Calibration set**
- Gauge frame for calibrating and checking the inner system accuracy



- LEICA GRP100**
- Visible laser dot**
    - Enables rapid targeting of specific object points
    - Use of the BFT4 Disto telescopic viewer for easy targeting of the overhead wire – even in bright sunlight