

TESMEC



UG-LINE

PERFORMANCE, SUSTAINABILITY
AND CONTROL FOR UNDERGROUND
CABLE INSTALLATION

TESMEC

Discover the new Range

UNDERGROUND

The new Tesmec Underground range is designed to meet the evolving needs of modern cable installation projects. From urban environments to complex tunneling applications, the portfolio combines high performance, advanced control, and operational efficiency. Each solution is engineered to ensure reliability, safety, and ease of use, supporting operators in every jobsite condition while optimizing productivity and minimizing environmental impact.

**UNDERGROUND,
WITH A TESMEC
BACKGROUND.**

NEW UNDERGROUND RANGE

Tesmec offers a complete range of underground stringing solutions, designed to cover different project requirements and operating conditions. The portfolio includes machines with different configurations, from traditional systems to full electric solutions, ensuring flexibility, efficiency and high performance across all applications.

UG4 Platform

UG1750 / UG1800

Designed for demanding underground applications, these machines deliver reliable performance and robustness, ensuring efficiency even in complex jobsite conditions. Their configuration allows stable operation and consistent pulling performance across a wide range of working scenarios.

Key features

High reliability in heavy-duty applications
Stable pulling performance. Suitable for various underground conditions.

	UG1750	UG1800	
Max pull	180	220	kN
Speed at max pull	14	14	m/min
Max speed	40	40	m/min
Speed at 200 kN	15	15	kN
Engine (diesel)	105	105	kW
Weight (approx)	6.500	6.500	kg

UG3 Platform

UG1450 / UG1650

The UG1450 and UG1650 are high-performance underground winches designed for demanding cable installation projects requiring reliability, control and high pulling capacity. Built for heavy-duty applications, they combine advanced digital control systems with a robust structure, ensuring stable performance and safe operation in all jobsite conditions.

Key features

- Digital interface with 5" color display and integrated recorder
- Pull pre-setting with acoustic warning
- Negative brake for enhanced safety
- Automatic reel winder
- Load cell for precise pulling control
- Full coverage with grounding connection points
- Stabilization system with front and rear stabilizers
- Wide range of available devices including remote control, speed limiter, pull pre-setting systems, homologated trailer, crawler version and teo monitoring.

	UG1450	UG1650	
Max pull	100	150	kN
Speed at max pull	10	10	m/min
Max speed	30	30	m/min
Max rope	18 - 1000	20 - 1000	mm - m
Engine (diesel)	55	55	kW
Weight (approx)	6,700	6,700	kg

Cable Pusher

CP1150

The CP1150 cable pusher is designed to support underground cable installation by pushing or tensioning the cable with precision and control. Engineered for flexibility and safety, it automatically switches between pushing and tensioning modes, ensuring efficient operation while protecting the cable during installation.

Key features

- Bidirectional operation: pushing and tensioning
- Automatic switching between pushing and tensioning modes
- Rubber track transmission designed to avoid cable damage
- Suitable for a wide range of cable diameters
- Compact and modular system (traction module + power unit)
- Available remote control and monitoring accessories.

	CP1150	
Max pull / tension	25	kN
Max speed	17	m/min
Max conductor diameter	200	mm
Min conductor diameter	50	mm
Transmission	Rubber track	
Engine (diesel)	18.4	kW
Weight	1320 (traction module) + 730 (power unit)	kg

Full electric puller

PE1250 / PE1350

The PE1250 and PE1350 integrate full electric technology with battery storage (LiFePO4) and plug-in charging system, enabling efficient and sustainable operation across a wide range of underground applications. Designed for urban environments and tunnel projects, they ensure silent operation, zero emissions and reduced maintenance, thanks to the reduced need for traditional components.

Key features

- Full electric architecture with battery storage
- Plug-in charging system for operational flexibility
- Silent operation for urban environments
- Zero emissions and no noise pollution
- Reduced maintenance due to simplified components
- Advanced control with electronic pull limitation and digital interface.



Full electric puller

PE1151

Compact and high-performance, the PE1151 is a full electric puller specifically designed for underground applications in urban and sensitive environments. Thanks to its fully electric architecture, it ensures silent operation, zero emissions and reduced maintenance, offering an efficient and sustainable solution for modern cable installation projects.

Key features

- Full electric machine with no hydraulic components
- Zero emissions and no oil usage
- Silent operation, ideal for urban environments
- Reduced maintenance thanks to fewer components
- Compact design with high pulling performance
- Advanced control interface with remote control option
- Interchangeable battery system for continuous operation.

	PE1250	PE1350	
Max pull	50	70	kN
Speed at max pull	10	6.7	m/min
Max speed	70	70	m/min
Pull at max speed	5	7	kN
Max rope diameter	15	15	mm

	PE1151	
Max pull	30	kN
Speed at max pull	6	m/min
Max speed	50	m/min
Pull at max speed	3	kN
Max rope diameter	11	mm

UG LINE

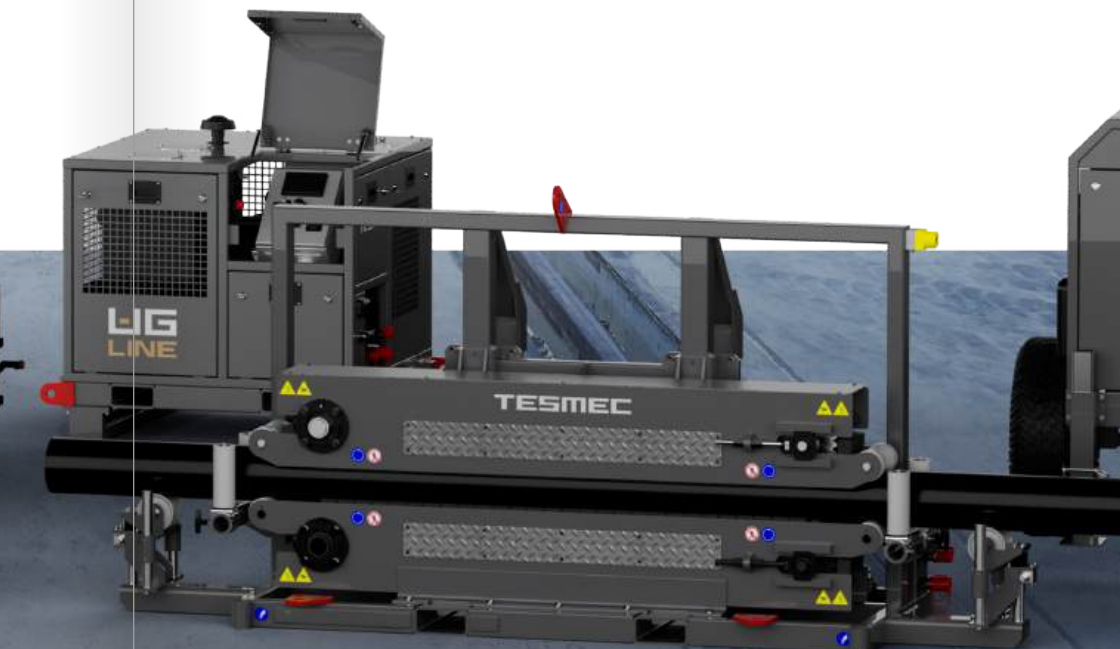


■ UG1750 / UG1800



■ UG1750 / UG1800

■ UG1450 / UG1650



■ CP1150



■ PE1250

■ PE1350

■ PE1151

NEW MODELS ARE COMING

Tools

A wide range of accessories is available to enhance machine performance and adapt to specific project needs. Tesmec solutions ensure maximum flexibility on site, improving efficiency, safety and operational control in every application phase.



Discover the full Tesmec range and find the solution that best fits your project

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All product specifications, statements, information, images, drawings and data are subject to change.
Updating variations without notice are possible.

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