

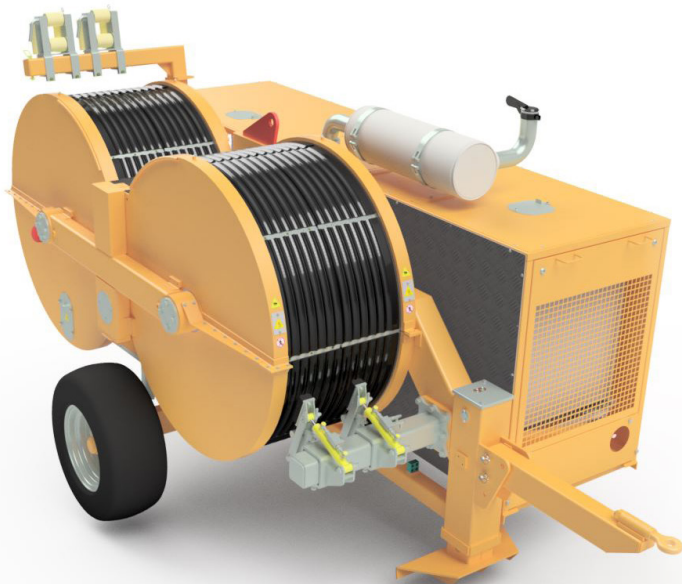


PT2451 DIGITAL PULLER TENSIONER

The latest Tesmec Puller Tensioner to land in Australia is the PT2451, a remote digital controlled machine.

To ensure every Tesmec machine meets the exacting needs of its customers, included is a complete suite of options fitted as standard

- Integrated Pull Recorder - ensuring accurate recorded data of each operation.
- Radio Remote Control - provides complete control and overview of the machine performance and status of cable pulling.
- Remote Diagnostic - including maintenance and alerts



PT2451

DIGITAL PULLER TENSIONER



MAX PULL/TENSION
2x50 kN



MAX SPEED
5 km/h



CONDUCTOR DIAMETER
42 mm

NEW TESMEC DIGITAL HMI:
7" color display.
Radio remote control.
Data Recorder.

INTEGRATED COVERS

AVAILABLE FOR ROAD USE

+ SIMPLE

PERFORMANCE

Max pull / tension	2x50 kN / 1x100kN
Speed at max pull / tension	2 km/h
Max speed	5 km/h
Pull / tension at max speed	2x20 kN

HYDRAULIC TRANSMISSION

Closed hydraulic with pull pre-setting system that automatically adjust pulling speed.

CHARACTERISTICS

Bull-wheel diameter	1500 mm
Bull-wheel diameter	NYLON
Max conductor diameter	42 mm
Max rope diameter	21 mm
Weight	6700 kg
Number of grooves	12
Suitable for	2 ropes/conductors
Layout	Twin

+ SAFE

ENGINE

Diesel	105 kW (140 hp)
Cooling system	WATER
Electrical system	24V

CONFIGURATION

New Tesmec digital HMI.
Automatic reel winder.
Lockable sound proof integrated covers.

Rope clamp for reel change.
Negative self-acting hydraulic brake.
Rigid axle 30 km/h.
Grounding connection point.
Hydraulic front stabilizers.
Power pack to control 2 reel stands or 2 reel winders.

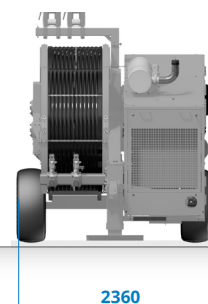
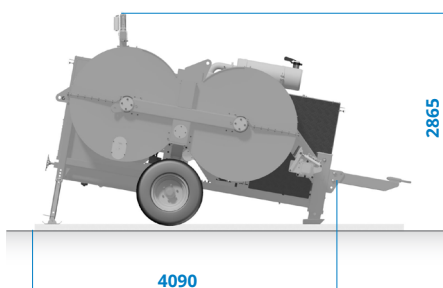
Gearbox with 3 operating positions on 1 circuit:

- + Neutral position (with free bull-wheels for conductor loading and unloading).
- + Low tension position:
 - 4 ÷ 17 kN as tensioner
 - 0 ÷ 17 kN as puller
- + Nominal tension position.

+ RELIABLE

AVAILABLE DEVICES

ALL005	Hydraulic power for compressor.
ALL037	Preheating device up to -30°C.
ALL089	Electronic connection and synchronization between machines.
ALL261	External printer.
ALL270	Remote Diagnostic system with GPS localization including 3-year subscription.
ALL280	Automatic grease pump.



7" COLOR DISPLAY



RADIO REMOTE CONTROL

NEW DIGITAL HUMAN MACHINE INTERFACE (HMI)



The new digital HMI (Human Machine Interface) is a significant innovation on the new 4.0 stringing machine. The new control panel is drastically simplified!

The innovative graphic display shows all the information, including diesel engine parameters, machine performance, and diagnostic output.

This new digital technology eliminates most of the instruments and devices installed on the previous control panel.



The remote, also usable by cable connection, controls the machine and allows the operator to work from a position that offers a better overview of the jobsite, less noise and a higher degree of safety.

Note:

Pullers equipped with reel-winders feature automatic back-pull control for optimal performance and simple operation.



DIAGNOSTIC FEATURES

- + Maintenance interval scheduling, with countdown and alerts.
- + Machine alerts display errors with detailed description.
- + Alerts recording option for authorized service inspection.
- + Automatic self-diagnosis at machine start.

EFFICIENCY

- + Automatic diesel engine rpm setting maximizes stringing speed and offers better oil cooling and fuel savings.
- + Automatic oil cooling according to oil viscosity.
- + Reduce operator errors and maximize uptime.
- + Analog Circular chart displays operating parameters and machine limits.
- + Automatic cutting pressure device, to avoid any possible overload on the machine.

Re.M. (REMOTE MONITORING SYSTEM)

Remote monitoring package for main performance and diagnostic parameters, including alarms and a GPS localization.

INTEGRATED RECORDER

Integrated pull recorder stores the operational data. Downloadable using a simple USB flash drive. Printer also available as an option.

STRINGING MACHINES 4.0 MAIN FEATURES



**FULL
OPTIONAL**

CONFIGURATION

Full package in the standard version configuration.

The standard machine includes a complete package of devices:

- + Integrated pull recorder.
- + Radio remote control.
- + Remote diagnostic with GPS.
- + Conductor clamp.
- + Low range gearbox (50 kN range).

Range of available options include; preheating device for extra cold ambient temperatures, road transportation package, electronic connection of modular machines, remote diagnosis package and low range solution (100 kN range and higher).



POWER UNIT

Diesel engine:

Each machine is also available with engine equivalent to the previous Stage emission (Stage 3A - tier 3) for markets where ultra high grade fuel is not available.

Integral cover of the whole power unit and modularity in single components.

Integral Cover

The integral cover of the whole power unit grant:

- + Best protection of all the installed components.
- + Reduction of noise emission.

Modular design and standardized components reduces spare parts and simplifies maintenance.

For more information on the TESMEC PT2451

