

4 HANDLE OPTIONS

Lever

Innovative engineering resulted in a handle design that delivers optimal ergonomics combined with advanced electronics. From the grip options to the programmable speaker inside the handle, QPM continues to lead the way in creating intuitive interfaces between operator and tool. Offering a wide range of information through visual and audio messages, the QPM lever handle provides clever programmability inherent in all QPM tools.

A non-contact optical switch under the start lever increases MTBF by eliminating mechanical or magnetic switches which wear out over time.



New cable attachment improves starting, insertion, alignment, and locking of cable nut.

Increased lever length, recessed mounting, and "flush to handle" activation improves fit to the operator's hand.

Levers can easily change in the plant to Forward Facing with an optional accessory.



Clear cover protects multifunction panel and model number label.



Optional Neoprene Rubber Grip with ergonomic details improves operator comfort.

Multiple Function Panel



A display and multiple function button enable the operator to interact with the fastening process. Different levels of functionality can be tailored to the process.

Two sets of red, green, and yellow lights indicate tool status. Two blue lights indicate tool rotation direction, disassembly [1], or assembly [2].

Programming options for the multiple function button can include combinations of change of tool direction for disassembly, enabling the tool, parameter selection, and reject alarm control.

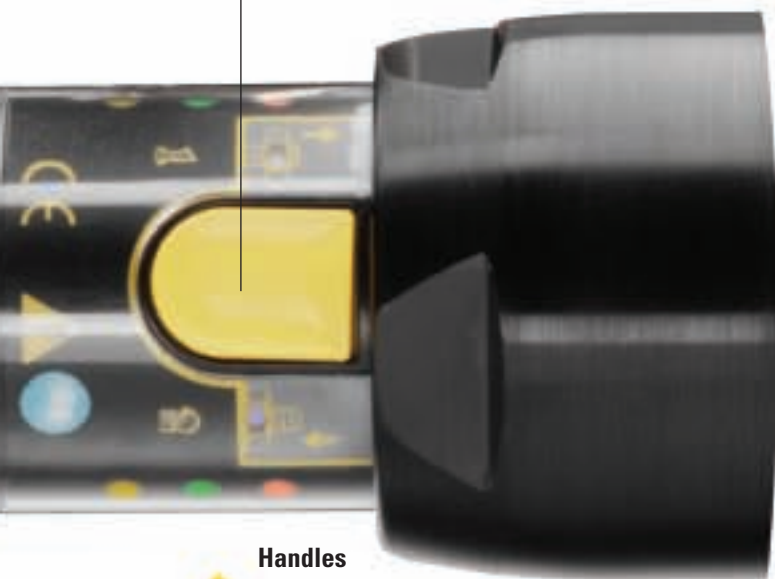
One double-ended tool can assemble two different fastener sizes, with different torque levels and parameter sets.



Double-Ended Angle Output

When the multifunction button is used to select the parameter set, one of two orange indicators illuminates to show the active parameter set.

Recessed multifunction button requires minimal pressure with tactile feedback. A raised ring prevents accidental activation.



Handles

Handheld

Fixtured

Motors

E2

E3

E4

E5

Gearing

G3

G4

G5

Handheld or Fixtured: QPM shares components

Though fixtured nutrunners (below) have operator controls remote from the job, and typically mount to semi-automatic equipment, QPM's modular architecture allows both systems to use the same motors and gears.



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Pistol

QPM DC Electric Pistols are small, light, and balanced to assure optimal operator ergonomics. Intelligently positioned status lights and programmable buttons improve operator effectiveness with the tool, as do the brilliant headlights used to illuminate darkened access points underneath work pieces or within recesses. The QPM operator interface communicates information regarding process status and enables the desired amount of operator control.

The new QPM pistol is surprisingly light for its torque capacity. Our operators especially like how the headlights help them position the tool for interior assembly work.

— Production Engineer, Automotive OEM

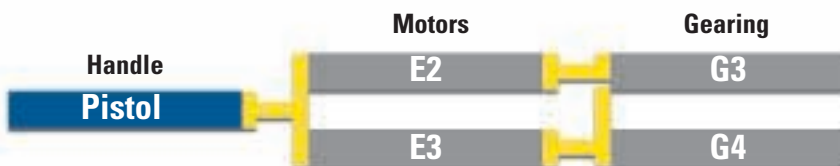


A center button suitable for right or left hand use can function either as a reverse switch or change the assembly settings for a different fastener.

A non-contacting optical switch under the trigger increases MTBF by eliminating mechanical or magnetic switches which wear out over time.

A rubber grip option improves operator comfort and tool handling.

Top or bottom tool cable exit options can be specified to fit the ergonomics of the application. Cables have quick disconnects which can reduce set-up time.





Fastening status LEDs, visible from either side of the tool, signal the operator about assembly quality from pre-selected limits.



Dual headlights illuminate low-light work areas such as vehicle interiors or other enclosed spaces.



E12 Lever

Smart, Small and Flexible:
QPM tools for lower torque applications

Straight, push-to-start, and angle screwdriver models can fasten from torque levels as low as 0.6 Nm to 18 Nm. Speed ranges from 2500 to 500 RPM at higher torque levels.

All models weigh less than two pounds (one kilogram) and are less than 12" (300 mm) long. Push-to-start models include headlights.

Fastening status LEDs, visible from either side of the tool, signal the operator about assembly quality from pre-selected limits. A center button can function either as a reverse switch or change the assembly settings for a different fastener.



Long life, lightweight cables disconnect quickly from the tool.



All E12 models weigh less than two pounds (one kilogram) and are less than 12" (300mm) long.