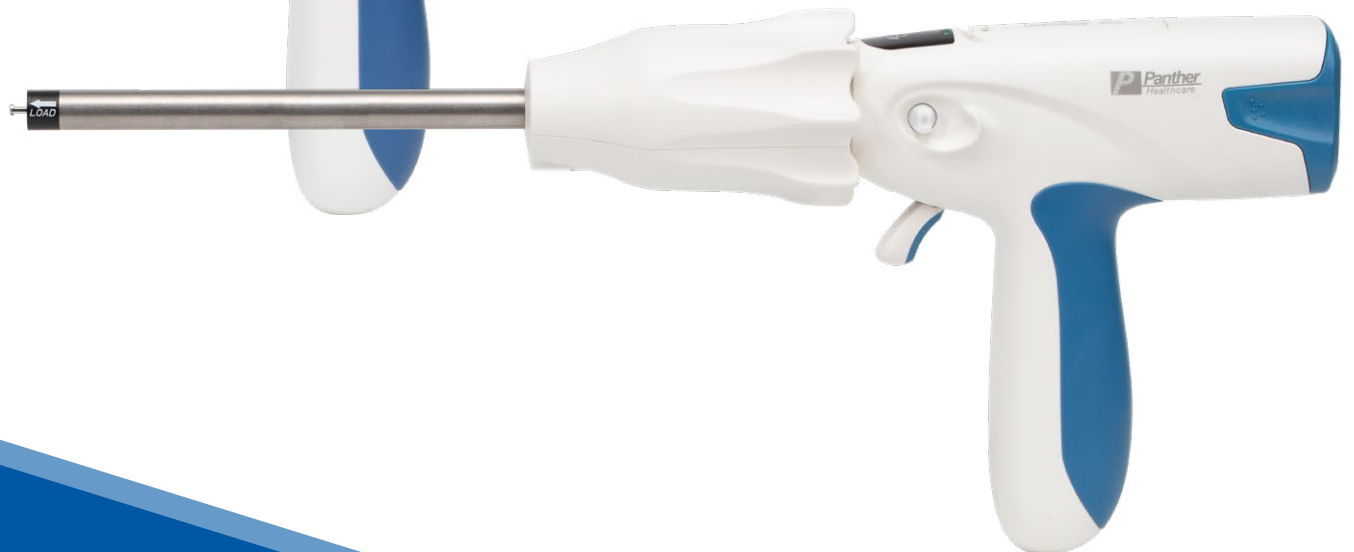


In-Servicing Guide

PANTHER SMART™ PLUS Series Staplers



PEP | Fully Powered Stapler



PEC | Half Powered Stapler



Panther®
Healthcare UK

Product Information

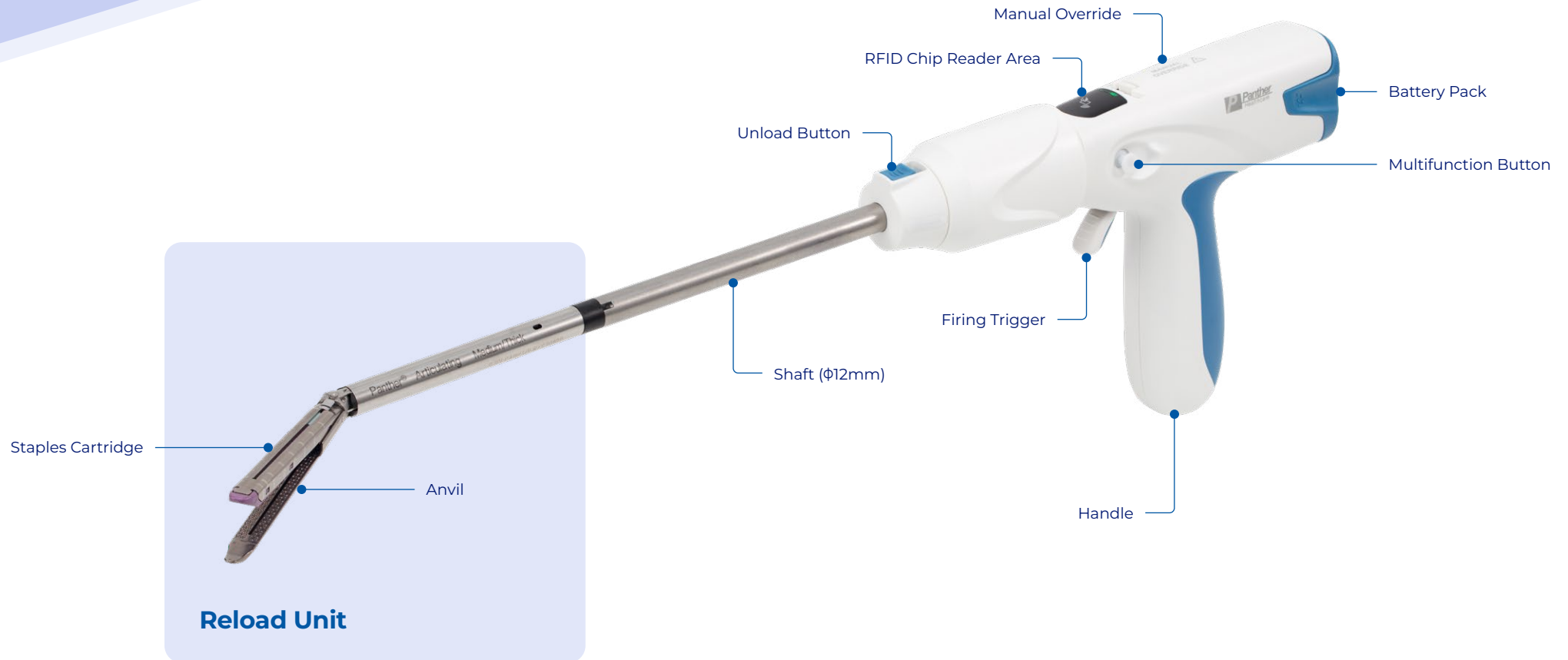
PANTHER SMART™ PLUS Series Staplers



PEP

Fully Powered

3rd Generation Technology



Product Information

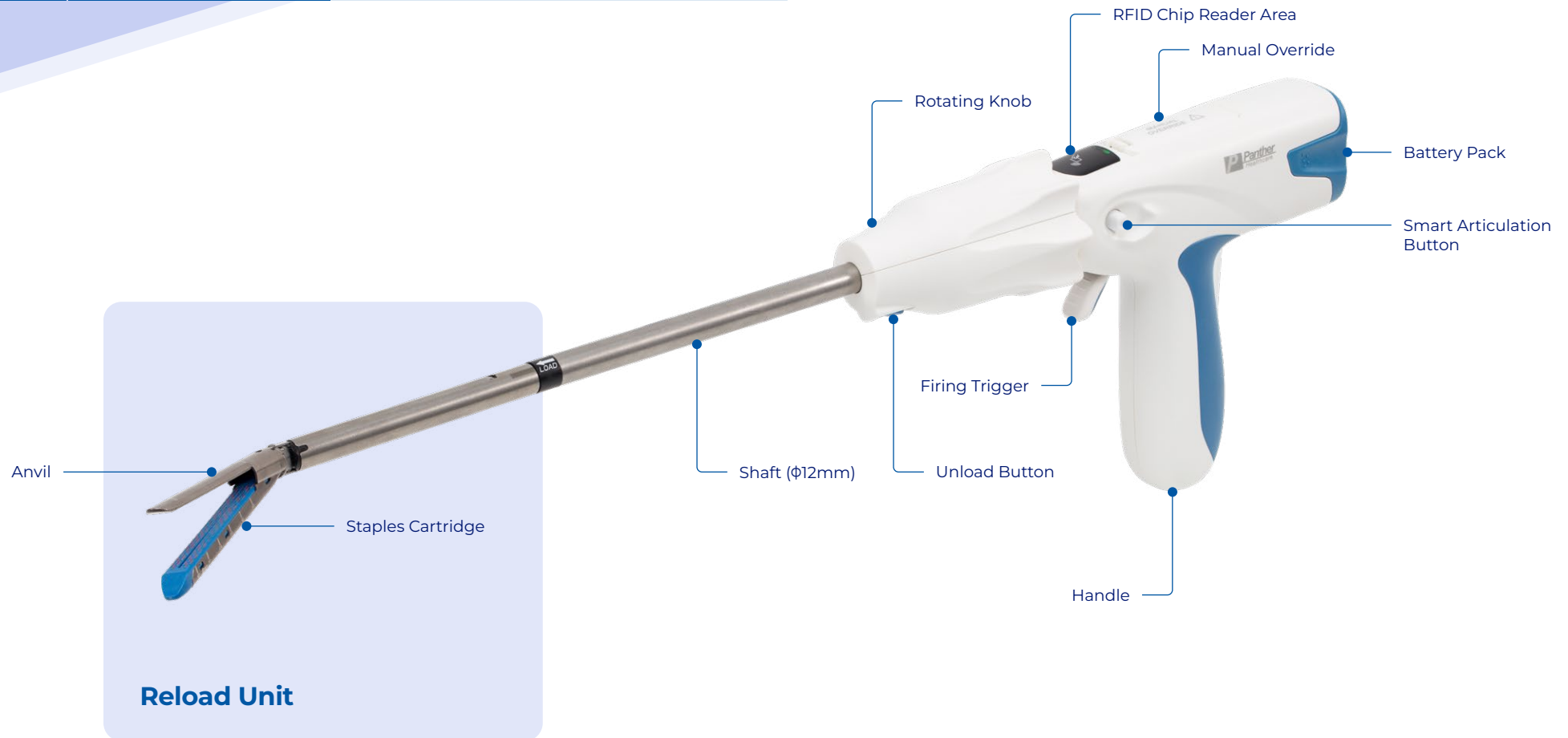
PANTHER SMART™ PLUS Series Staplers



PEC

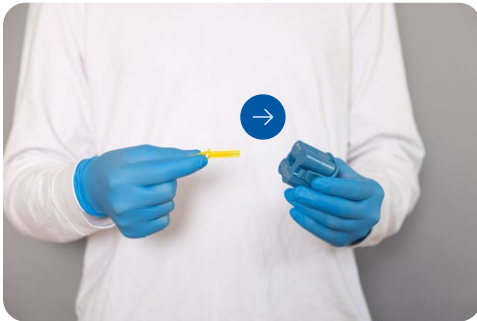
Half Powered

3rd Generation Technology



Loading the device

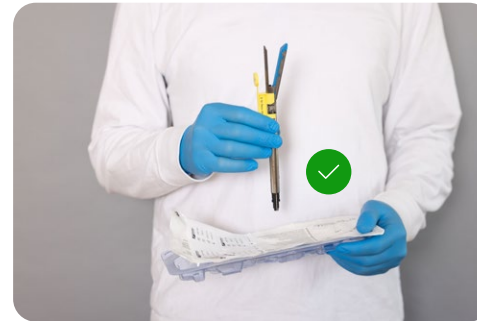
Install the battery pack and reload unit (RU)



Before installing the battery pack, remove the yellow protective cover.



After inserting and identifying the battery successfully, a clear short beep sound will be heard, and the LED will turn red to green. The device must be used within 8 hours.



Take out an RU without removing the yellow protective cover. Insert the pin located at the distal end of the instrument shaft into the RU. **WARNING: Do not remove the yellow cover until you have correctly loaded the RU.**



Ensure that the alignment indicator on the RU aligns with the alignment indicator on the shaft. A two-beep sound informs us that both parts are correctly assembled. **WARNING: If the red bar is visible in the unlock button, please reinstall the RU, otherwise in this position the instrument won't close the RU jaws and the LED will flash Red.**

Identify the RU chip



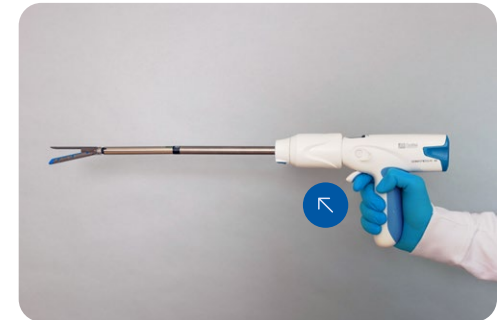
Take off the yellow cover and proceed with the scan of the chip on the instrument induction area to register the RU — see next step.



One beep sound and the green LED blinking indicates successful identification. If there is no sound and no LED blinking, reinstall the battery and re-scan the chip. **WARNING: The chip on the yellow protective cover for each RU can only be successfully identified once. Each device can only register 15 RUs. A long beep sound and the LED turning red indicates that the device can no longer be used.**

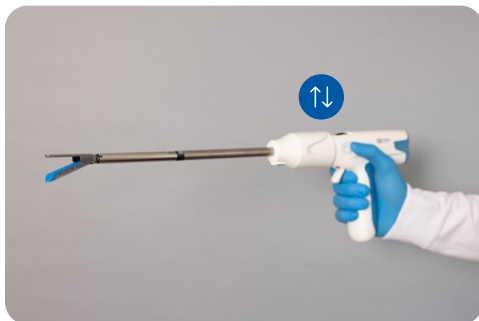


Push the control trigger back to close RU jaw. **WARNING: If the jaw is half-closed and the LED turns RED, please open the jaw and fine-tune RU connection until the LED turns green.**



Push the control trigger forward to open the jaw, this process is to confirm if the reload has been installed correctly. **WARNING: If the jaw cannot be opened, please install another RU.**

Adjusting and closing RU jaws



Using the multifunction button on either side of the handle, articulate and/or rotate the device to properly position the jaws prior to closing. Pushing the button up or down to rotate and forward or back to articulate.



Apply the stapler across the tissue to be excised. Push the control trigger back to close the jaw. **WARNING: If the tissue is beyond the end of the cut line, it will not be cut.**

Firing



Press down on the multifunction button, the green light will start fast blinking. Press and hold the control trigger. The stapler will complete the firing (LED turns to normal speed blinking) and auto-stop (LED turns to constant green). Release the control trigger and the stapler will complete the reversing (LED blinking green) and open the jaw. When the jaw has just opened, the green blinking LED turns yellow. **WARNING: If after pressing the multifunction button the light indicator doesn't start blinking, please open the jaws, reposition the tissue, close the jaws, and re-start the firing process.**

Remove and Replace RU



Reset the articulation lever. **WARNING: If forgot to reset, the LED will not turn green after the RU is removed.**

Push the control trigger forward to open the jaw.

Push the reload locking button, rotate reload and unload from the instrument. Then the LED turns green. **WARNING: The articulation lever should be in the straight position when loading a new RU.**

SMART indicator light before firing

- Everything is okay.
- The tissue is slightly thick for the RU. You may reposition the tissue or just ignore it.
- The tissue is too thick. Reposition the tissue and check again. If still red, reset the stapler and replace the RU with the correct size.

SMART indicator light during firing

- Everything is okay.
- The tissue is slightly thick for the RU. The firing process will slow down the pace to ensure optimal stapling.
- The tissue is too thick for the selected RU. You must stop the firing process and select a correct RU to continue safely.

No Response Solution

Under certain circumstances, the stapler will lock out.

Step 1



Reinstall the battery pack. Reset the device.

If **step 1** does not work and the jaws remain closed, then try **step 2** and use the manual override.

Step 2



Remove the cover plate labelled "Manual Override" on the top of the handle.



Pull up the black manual reset knob.



And then move the black knob back and forth until the jaws are opened.



After the manual reset is opened, the electric function of the device will be completely invalidated. The device will no longer work and should be discarded.

WARNING: Please do not try to use manual override when the device is responding normally.

Handling of battery pack

When inserting the battery pack, the red LED light, no display light, three short beeps, or no voice prompt indicates that this device cannot be used due to a low battery capacity or circuit problems. After inserting and identifying the battery pack successfully, the device must be used within 8 hours.



- The battery pack, which contains a built-in battery power consumption function, must be installed on the device for identification to trigger the automatic consumption. The identified battery does not need to be retained in the device. Once removed from the device, the battery pack will continue to discharge automatically. It can be placed in a designated battery recycling bin or waste bin according to local laws and regulations.
- The battery pack must be removed from the device before the device is handled.
- If disposal of the battery pack is required prior to installation in the device, proceed with installing the pack into the device for identification, and remove it after successful identification to trigger the built-in power consumption.
- Dispose of responsibly to prevent environmental contamination. Note: improper handling of lithium batteries presents a fire hazard.

Handling of battery pack

- This product is for **one-time use**. Do not expose batteries to an environment with a temperature higher than 85°C. They cannot be sterilised repeatedly nor recharged. They should not be disassembled, heated to over 100°C or sterilised under high pressure, nor be crushed, punctured, nor external connection point short circuited.
- Because of the built-in battery drain, it is safe to dispose of in your trust's designated battery or clinical waste stream in accordance with local waste management policy. If your local regulations require lithium batteries to be recycled, the battery pack must first be decontaminated according to the following instructions.

Step 1



Disconnect the battery pack.

Step 2



Discard battery pack designated battery or clinical waste stream.

Decontamination Instructions

Note: Carry out the following procedure between steps 1 and 2.

- Apply a neutral pH detergent or neutral pH enzymatic detergent (e.g., 10% bleach, 70% isopropyl alcohol) to the battery pack surface using a soft-bristled brush, following the detergent manufacturer's instructions.
- Pay particular attention to creviced areas, ensuring these are thoroughly scrubbed.
- Remove all detergent residue by wiping down with lukewarm tap water. Do not submerge the battery pack in water or detergent solution.
- Carry out a visual inspection to confirm the surface is free from debris. If contamination remains, repeat the cleaning process until a visually clean result is achieved.

Thermal Processing Restrictions

- The battery pack must not be incinerated or autoclaved at any point within the hospital environment.
- The manufacturer specifies that batteries must not be exposed to temperatures exceeding 100°C.
- The battery pack is a single-use component and does not require sterilisation.
- Ethylene Oxide (EtO) processing must not be applied to the battery pack.



Panther Healthcare UK is operated by LaproSurge, the official UK distributor of Panther Healthcare's surgical stapling devices.

LaproSurge are a vastly experienced British medical device manufacturer and distributor founded in 1999 with an aim to provide better value laparoscopic devices to hospitals. Based in Watford, LaproSurge has grown into a company with a strong UK market presence and a large network of international distributors.

In the ever growing minimally invasive market, LaproSurge has consistently offered an extensive portfolio of high-quality single-use devices for laparoscopic surgery. LaproSurge and Panther Healthcare are strategically aligned to ensure that UK hospitals have available the latest generations of surgical stapling technology.



UK Manufactured, Globally Distributed, Minimally Invasive.

+44 (0) 1923 220 711

info@laprosurge.com

LaproSurge Ltd, Unit 5b, Fishers Industrial Estate, Wiggenshall Road,
Watford, Hertfordshire, WD18 0FN, England

laprosurge.com

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