

GPMAX

P R E C I S I O N



MAGNETIC POWDER CHECK

CONGRATULATIONS ON PURCHASING YOUR NEW MAGNETIC POWDER CHECK

Read these instructions carefully before using this product!

- Reloading and handling ammunition is dangerous. Always pay maximum attention and use eye and ear protection! YOU are always responsible for your own safety!
- Although a Powder-Check is a useful safety measure to include on your reloading press, it cannot replace common sense or the need to stay attentive while reloading!
- Your GpMax Magnetic Powder Check is activated by the upper edge of the case. Do not feed longer-than-normal cases into the press, as this will push the piston too high and cause the piston flange to move past the microswitch. If this happens, do not force the microswitch arm back. Remove the electronic box, lower the piston, and reinstall the box with the microswitch arm above the piston flange. If the arm is bent, reset or replace it. If the flange is broken, replace it.
- Do not use excessive force when tightening the Die nut.

GENERAL INSTRUCTIONS

The Magnetic Powder Control is designed to be mounted in the station immediately following the powder measure on your progressive press.

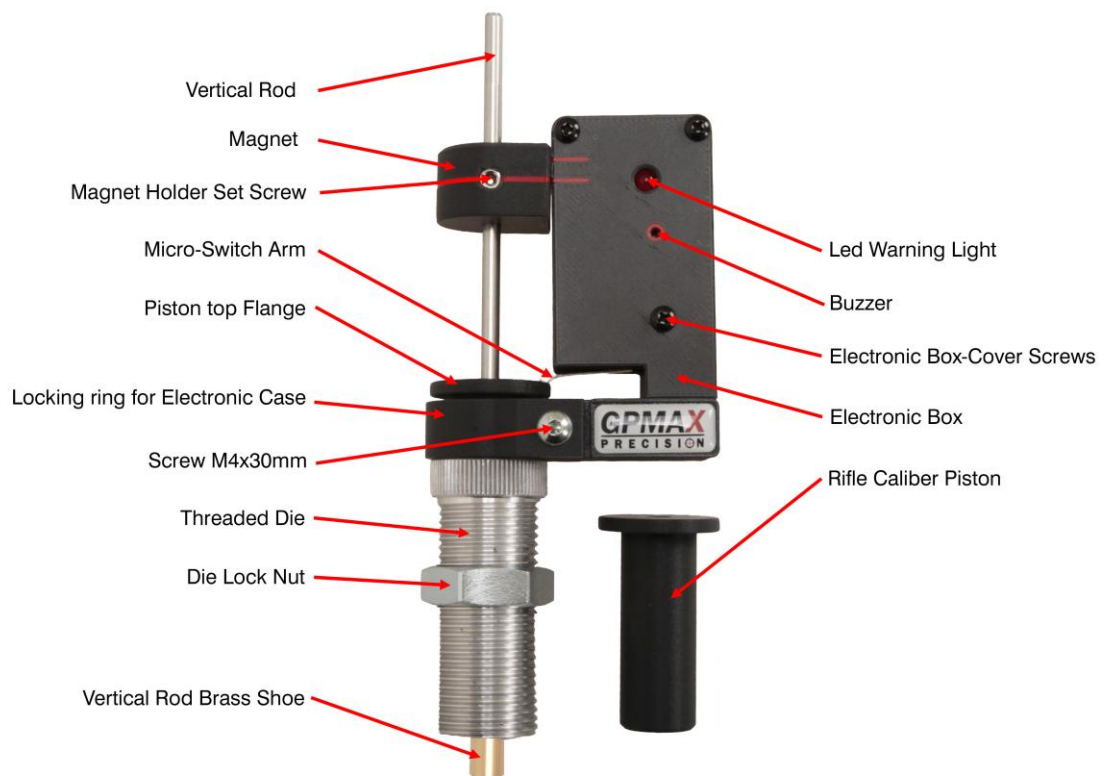
The Magnetic Powder Control can be used on any progressive press with an available 7/8-14 station.

In some cases, it may be necessary to combine the seating and crimping operations in a single station to free up space for the Magnetic Powder Control.

This can be easily accomplished for most calibers using a 2-in-1 Seat/Crimp die.

The Magnetic Powder Control is preassembled for reloading pistol ammunition and is suitable for calibers from 9mm and up.

If you wish to use it for rifle ammunition, see the "Converting the Magnetic Powder Control for Rifle" section on the last page of the manual.



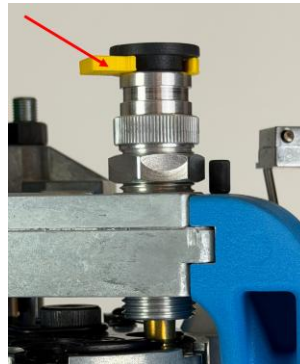
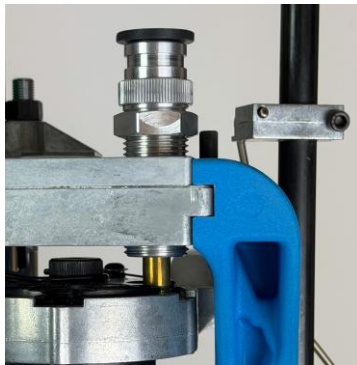
INSTALLATION INSTRUCTIONS

Installation is a two-step process: first, you need to set the correct height of the threaded die so that the top edge of the case raises the upper flange of the piston enough to activate the microswitch.



The second step is to adjust the magnet holder to the correct position to prevent the alarm from sounding.

Step 1



Place a powder-free case of the correct size into the Shell Plate and operate the press lever fully.

Screw the die into the station, complete with the piston (the long pistol type), until the piston flange rises about 4mm from the base. To simplify this operation, we have provided a yellow spacer exactly 4mm high.

Gently tighten the die locking nut.

Remove the piston, insert the threaded rod inside it so that the brass foot is facing downwards.

Insert the magnet holder into the upper part of the rod, bring it close to the piston, and gently tighten the M5 nut. Caution: the M5 grub screw must face the same side as the LED. The flat side of the magnet holder must face the electronics box.

Return the progressive press lever to the top position; the case will move away from the die.



Install the electronics box using the brass nut, M4x30 screw, and locking ring.

Position the electronics box so that it does not impede the movement of adjacent accessories, then tighten the M4x30 screw gently.

If possible, orient the electronics box so that the red LED can be seen during charging.

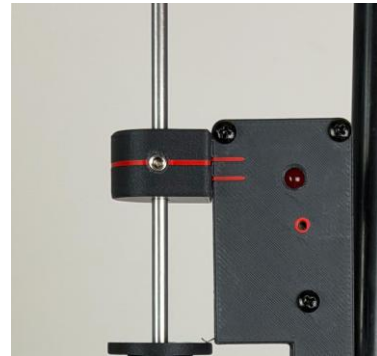


Step 2

Replace the empty case with a case containing the exact amount of powder you intend to load.

Operate the progressive press lever all the way to the end of its travel.

Loosen the M5 grub screw on the magnet holder and slide it until you find the position where the buzzer stops sounding. For simplicity's sake, there are two red lines on the electronics box that should indicate the area where the buzzer stops sounding.



Position the magnet holder in the center of the two red lines and gently tighten the M5 grub screw.

Make sure the brass foot rests on the powder inside the case.

Test: Lower and raise the press head with the same case correctly loaded. The alarm should not sound.

When inserting a case without powder or with a double load, the alarm should sound.

Your GpMax Magnetic Powder Checker is now adjusted and ready for use.

Battery Replacement:

The Magnetic Dust Control uses a 6V MN11i (L1016) battery, which will last a long time with normal use, as the alarm should sound infrequently.

To replace it, unscrew the three screws covering the electronics box to access the battery. Insert the new battery with the "+" side facing down, making contact with the microswitch.

Convert the Powder-Check for Rifle:

- 1) Remove the electronics box by unscrewing the M4x30 screw on the side.
- 2) Make sure the magnet holder retaining screw is loose and slide the magnet upward to remove it from the rod.
- 3) Remove the pistol plunger (L. 70mm) and replace it with the shorter rifle plunger (L. 45mm).
- 4) Reattach the electronics box, making sure the microswitch lever is positioned on top of the plunger. Then adjust the height of the die and magnet in the same way as for the pistol configuration. **CAUTION: This step is very important; before operating the lever, unscrew the die several turns because the greater length of the rifle case could bend the microswitch lever.**
- 5) Position the magnet over the plunger flange and insert the rod from above, with the brass bushing at the top end! The vertical rod is mounted upside down compared to the pistol grip configuration.
- 6) Adjust the height of the die and magnet in the same way as for the pistol grip configuration.6) Adjust the height of the die and magnet in the same way as for the pistol grip configuration.
- 7) Tighten the Die nut slightly.

