

A3Mv2.0 Special Bulletin

Read this special bulletin to become an A3M black-belt.

The Basics

Did you know that A3M means Attaching in 3 Movements?

1. **Push:** The wire comes in through the upper part of head. The lower part grabs this wire when you push the head against the trellis wire/cane. You don't have to push hard.
2. **Pull:** Pull the machine backwards towards your body to create the desired tie size.
Note: There's no need to keep tension on the tie even if you want it to be tight. If you go too far (tie too loose) tap trigger quickly with the tip of your finger so that the A3M cuts the wire but does not spin the head. Then start over.
3. **Trigger**

We see a lot of clients doing steps 1 and 3 OR steps 2 and 3 simultaneously. It's important that each step be done separately from the others.

Go purposefully and slowly for the first 5 minutes – there's nothing to prove! Get used to conducting each of the 3 movements in order and separately.

Did you know that there are 2 ways to pull the trigger?

1. **Cutting only:** tap the tip of the trigger with the tip of your finger
2. **Spinning + Cutting:** pull the trigger fully

Positioning the head (User's manual: pg3)

Whatever position the head is in when the machine is connected to the battery that will be the start and end position for the head while tying. Make sure the head is positioned vertically when the machine is first plugged into the battery so it will start and end in the correct position.

If the head isn't stopping in the same position that the head started in, try unplugging and reconnecting the tool. If the problem persists, this may mean that there is a short in the power cable. Contact your nearest ASP.

Greasing the A3Mv2.0 (user's manual: pg 12)

- **Head:**
 - Grease the head 2 times per day (morning before you start and again at lunch).
 - Spray the silicon grease inside the head and turn the head a bit.
- **Wire Reel:**
 - Spray silicon grease on the wire reel when the wire starts to get low on the reel.
 - Do not spray inside of the tube where the wire enters the machine.
- We use CRC Silicon Grease (aerosol) at our shop.

Troubleshooting Tips

Feeding the wire (User's manual: pg 4-5)

Note that the wire path inside the tool is curved. If the wire has trouble feeding all the way through, spin the head of the tool with your hand 360 degrees when you feel the wire getting stuck.

Removing the reel/Trapped Wire (User's manual: pg 6)

Remove the reel as shown on page 6. If wire is trapped in the machine, turn the head 90 degrees so it's horizontal and locate the screw on the underside. Unscrew this partially (not all the way – just enough so you can pop off the tying head) with the provided allen key. You should see wire

It's best to remove a reel just before it's completely finished. Otherwise you may have a bit of wire left inside the body or head.

sticking out either from the tying head side or from the machine side. Once you've removed it, replace the head. Be sure that the head is inserted and re-tighten the screw holding it onto the machine. (pg 16)

Machine doesn't cut wire

When a tie is made and the machine doesn't cut, just tap the tip of the trigger with the tip of your finger to cause the machine to cut and/or release the tie (but not spin).

Machine doesn't grab the wire

1. If there is a bit of wire sticking out of the top of the head: Tap the trigger with the tip of your finger to get the machine to cut but not spin.
2. If there is no wire sticking out: Pull up the red tab at the back (above the wire reel), manually feed a bit of wire from the reel into the machine until you see wire sticking out, push the red tab back down. Now tap the trigger with just the tip of your finger to cut the wire but not spin.

When it won't grab, most users take off the entire reel and then refeed it. This is time-consuming and unnecessary.

Best practices:

- The very first thing a user should do at the beginning of each day is:
 1. Grease inside the tying head
 2. Feed the wire (if necessary)
 3. Make sure the dial on the top of the machine is set to the desired number of tie twists
- There is no on/off switch on this machine. When you're not using it, unplug it. Otherwise you'll slowly drain the battery (approx. 2 weeks to drain a full battery). Don't leave the battery charging for more than 12 hours. Note that the machine stops after 1 min. if not in use. Pull the trigger 2 times to wake it up.
- First thing that a user should do if anything goes wrong is to pull the trigger a few times to get the A3M head to fully rotate a few times. This causes the machine to basically put everything back into place.

Wire

Wire Specifications:

Wire	Gauge in mm.	Approx. AWG Equivalent	Approx. # Ties / Roll
CB40	0.40mm	26	1000
CB46	0.46mm	25	900
CB50	0.50mm	24	650

Recommended Wire:

Tying Conditions	Recommendation	Part #
Uses harvesting machines	Minimum of 0.46mm	CB46
Environmental Conditions: Windy, coastal, rainy, or snowy conditions	Minimum of 0.50mm	CB50
High volume of fruit/high production	Minimum of 0.46mm	CB46
None of the above conditions	0.40mm	CB40

Warranty:

The A3Mv2.0 is guaranteed for up to two years.

Purchase Date	Warranty
Purchased after 7/1/15	1 year from date of purchase with chance to extend warranty a 2 nd year by participating in Annual Maintenance program (\$50)

Annual Maintenance

Includes replacement of key springs, full cleaning, greasing, testing of tying machine and battery, and return shipping.

- Customers do not need to purchase Annual Maintenance when they purchase the tool.
- After tying for one season, customers should send in their A3M for Annual Maintenance.
- All customers should include page 1 of our Annual Maintenance form with each tool that they return for maintenance. (www.infaco-usa.com > Downloads > Annual Maintenance Form)
- To ensure the quickest turn around, customers should pre-pay for the Annual Maintenance (\$50; see page 2 of the Annual Maintenance form for pre-payment info and options).