

# FagronLab™ 3D-RM500

Mixer

## User Manual





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# FagronLab™ 3D-RM500

## Read these safety instructions before operating this equipment



### Do

- Read this operator manual before using.
- Operate the mixer with a designated AC power outlet.
- Place the power cord out of the way to avoid trip hazard.
- Keep hair tied back & avoid loose clothing when operating.
- Place the mixer on a level surface.



### Don't

- Don't operate the mixer with a wet or damp hand.
- Don't touch any rotating part when mixing.
- Don't change mixing vessel without switching OFF power first.
- Don't clean ANY part of the mixer in a dishwasher or autoclave.

## 1. Know your mixer

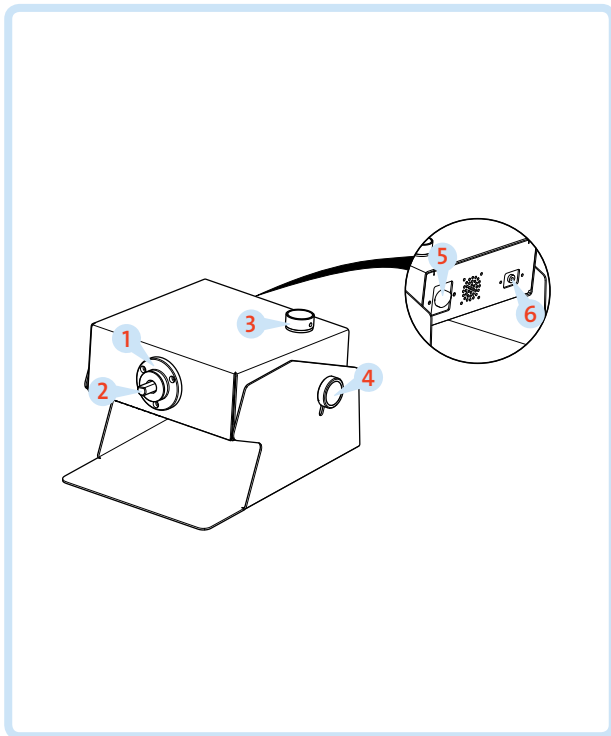


Figure 1.

| No | Description                           |
|----|---------------------------------------|
| 1  | Drive pulley                          |
| 2  | Drive shaft                           |
| 3  | Speed control                         |
| 4  | Angle adjustment knob (x 1 each side) |
| 5  | Power switch                          |
| 6  | Power in                              |

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## 2. Fitting inversion arm

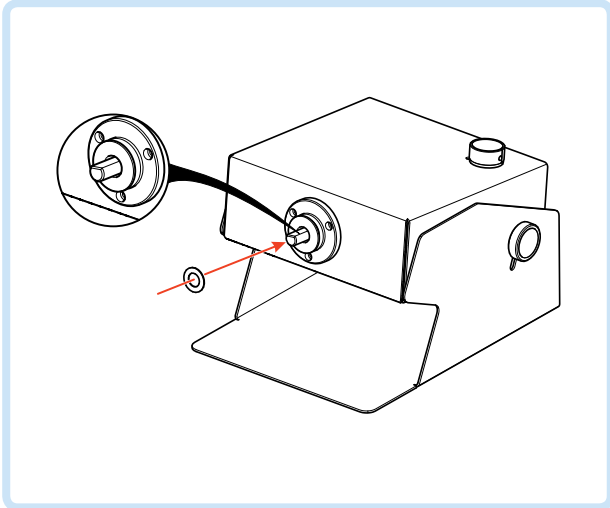


Figure 2.

- Turn the drive shaft by hand so the FLAT portion is facing the top.
- Loosely place the THRUST WASHER onto the shaft.

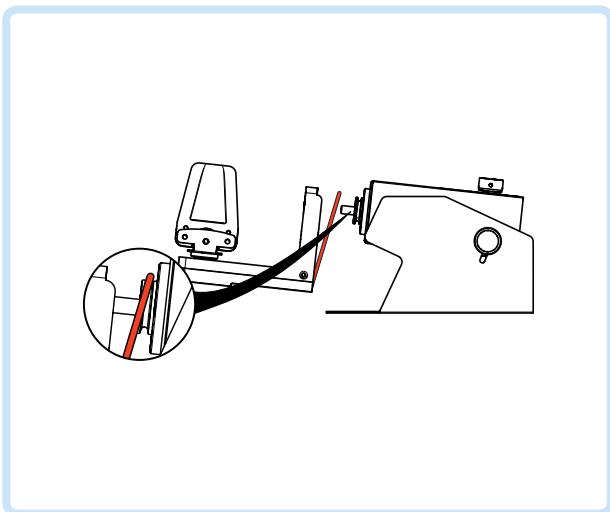


Figure 3.

- Fit the RED belt over the DRIVE PULLEY.

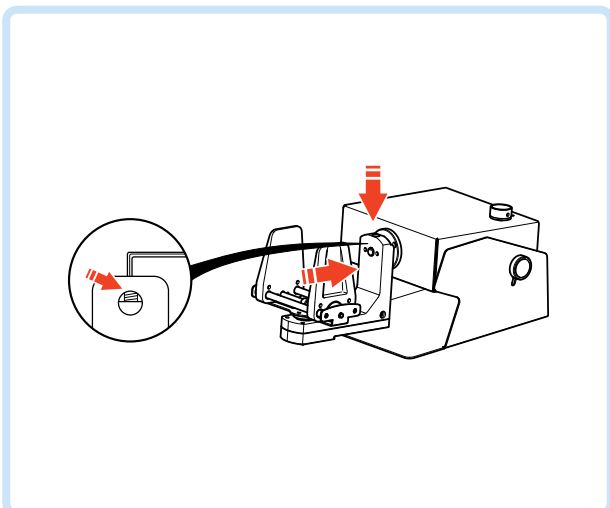


Figure 4.

- Keep tension on the belt & push the arm DOWNWARDS & onto DRIVE SHAFT.
- TIGHTEN screw with the tool supplied. ENSURE screw is on FLAT portion of DRIVE SHAFT.

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## 3. Mixing

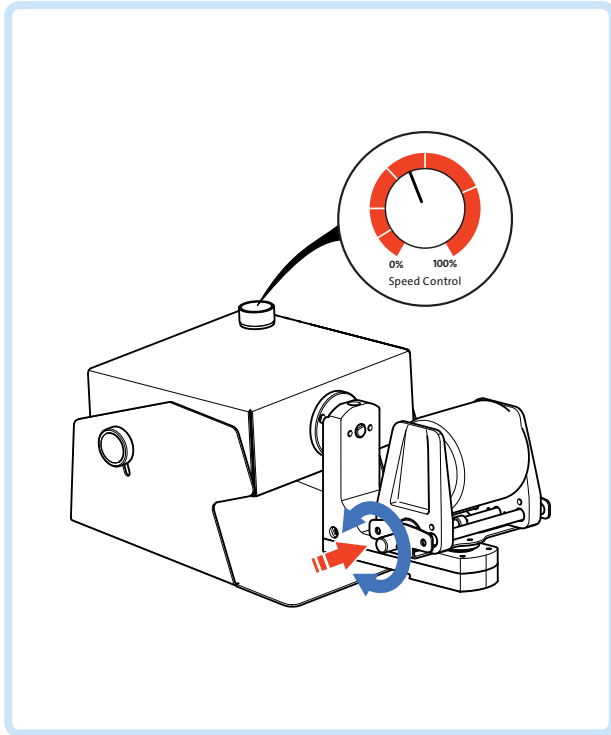


Figure 5.

- Connect POWER CABLE into the POWER INLET socket.
- ENSURE SPEED CONTROL IS SET TO 0%.
- Switch on using the POWER SWITCH.
- Gradually increase speed using the SPEED CONTROL knob until required mixing speed is achieved.

## 4. Mixing volumes

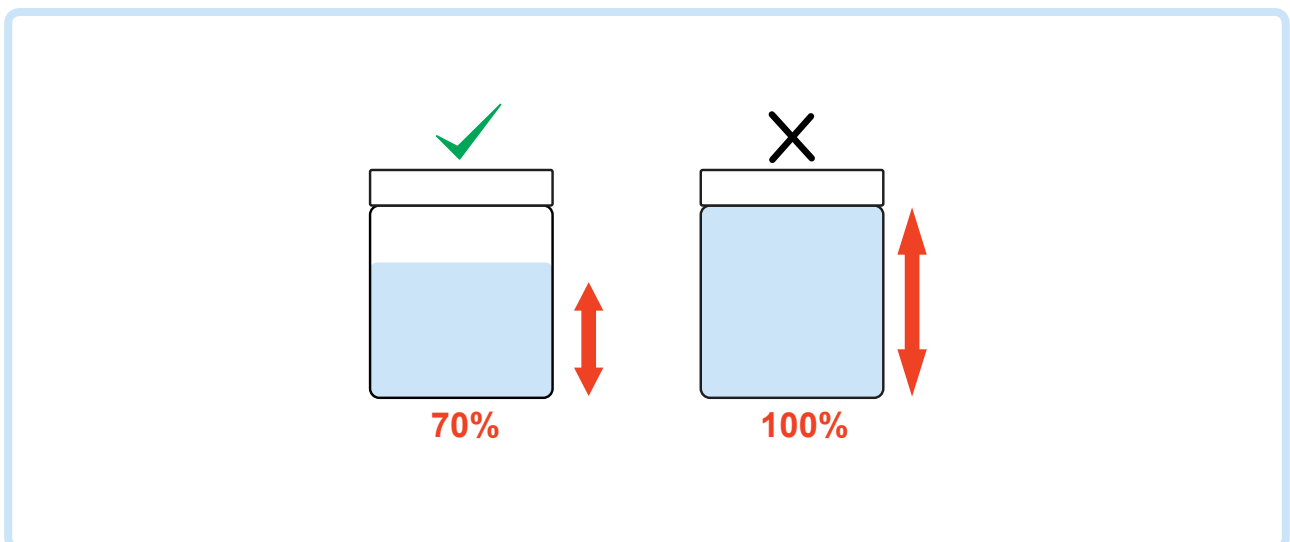


Figure 6.

- Do not fill the container with more than 70% of its volume. Powders require space to move when mixing.

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## 5. Questions

### How long should I mix for...?

We recommend a minimum of 5 minutes for any substance, some powders may require considerably longer.

### The mixer is making a strange noise when rotating...?

Check the THRUST WASHER is fitted.

### The mixer is not rotating & making a noise...?

This is the in-built safety mechanism, switch the power to off, remove any obstructions to the arm & set speed to 0%. Power back on & gradually increase speed.

### Arm not turning...?

Check the screw is tight using the tool provided. Also check the screw is locating on the flat portion of the shaft.

### Mixer sometimes cuts out in the morning...?

This is part of the safety system, ensure the speed control is 0%, switch on and gradually increase speed. Increasing the speed too fast will cause the mixer to stop.

### Can I use my own mixing vessel...?

Yes as long as it fits within the clamping jaws & does not obstruct the arm. We do not recommend using glass containers.

### Can I mix liquids...?

Yes any low viscosity liquid can be mixed.

### What is the best speed to mix at...?

This is always trial & error, heavier substances tend to mix better at slower speeds, with lighter substances mixing better at faster speeds.

### Is there a time limit on how long I should mix for...?

No - however we do NOT recommend the mixer is left unattended.

### I have a question that is not answered here...?

Contact your distributor for a swift resolution.





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## Notes

A series of horizontal dotted lines for taking notes.

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