






**RELOADING  
TECHNOLOGY**


# Reload Annealer Instruction Manual and Trouble-Shooting Guide

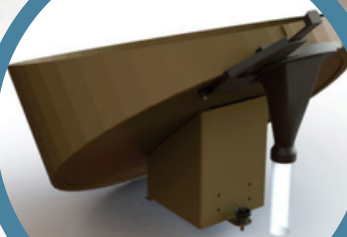
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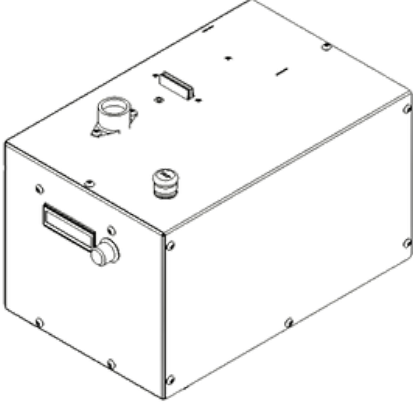
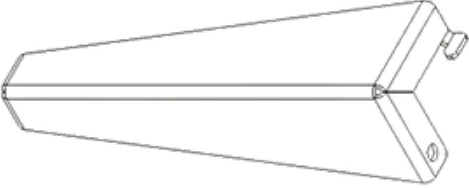
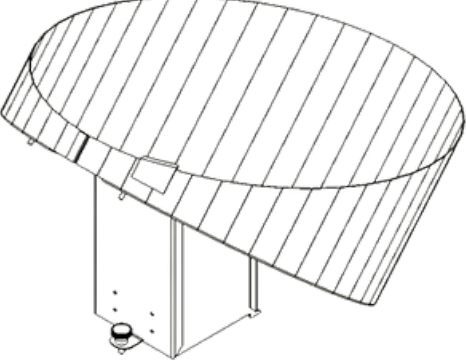
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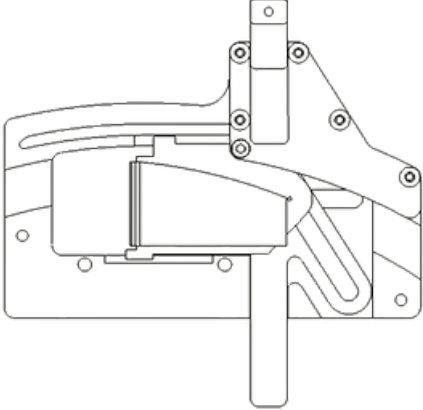

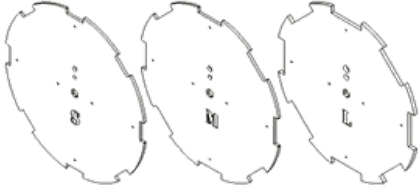
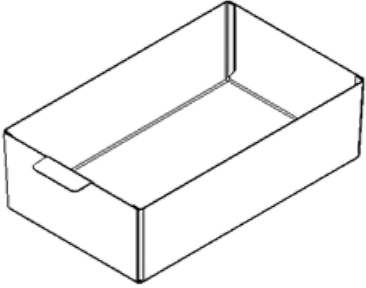


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<p>1 X Reload Annealer</p>	
<p>4 X Annealer legs with attaching screws</p>	
<p>1 X Automatic case feeder</p>	



# RELOADING TECHNOLOGY

1 X Gate selector	
1 X Clear acrylic tube	
3 X Feeder plates (Small, Medium, and Large) with handles and attaching screws	
2 X Case trays	
2 X Allen keys	
1 X Power cord	

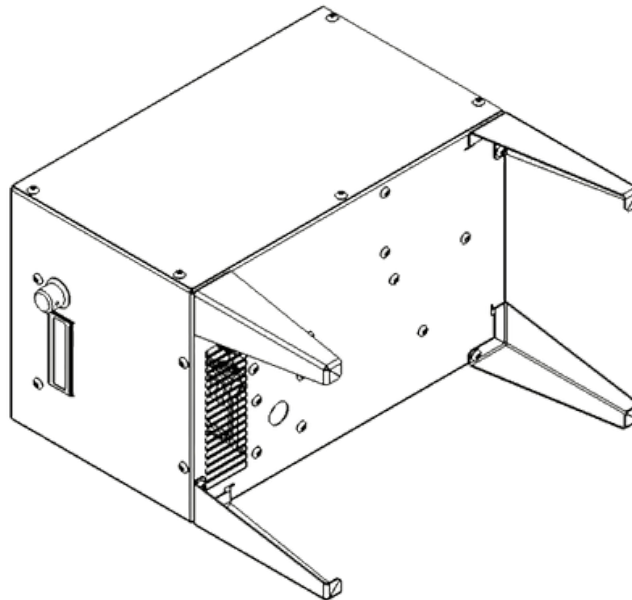


## HOW TO ASSEMBLE THE RELOAD ANNEALER

View assembly, set up and operating videos on the Reloading Technology YouTube channel.

### Attaching the legs

Turn the Reload Annealer onto one side. Insert the hook of the leg into the slot on the bottom close to the corner. Insert a screw through the hole in the leg and into the thread in the annealer case. Tighten with the supplied 3mm Allen key until the leg is firmly in place. Repeat this process on all four legs. Return the unit to the upright position.

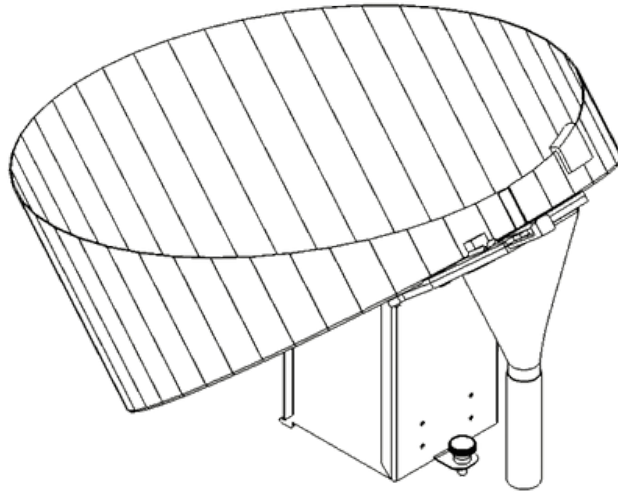




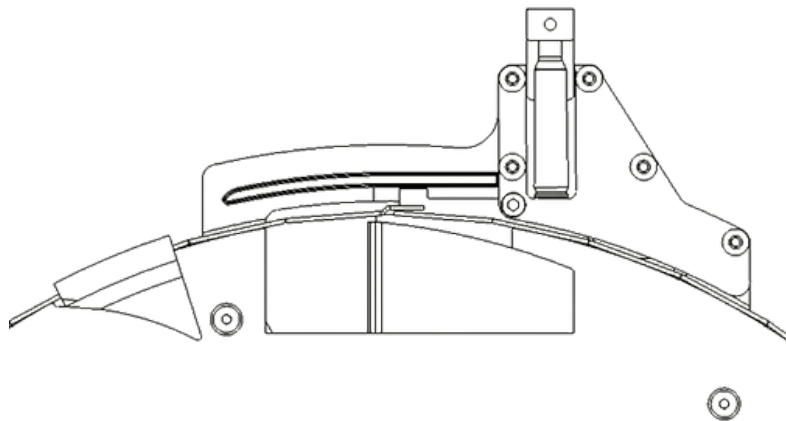
# RELOADING TECHNOLOGY

## Assembly of case feeder

To assemble the case feeder, attach the gate selector mechanism to the feeder bowl with the 2x M5 x 10mm button head screws provided. Ensure that the curved edge of the gate selector fits snugly along the top end of the feeder bowl.



Ensure the feeder gate plate is fitted over the feeder bowl and that it moves freely.

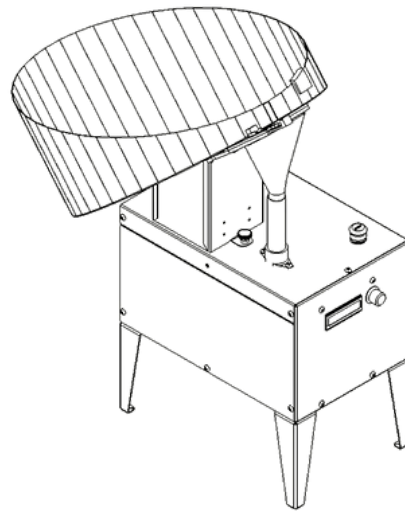




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## Attaching case feeder to annealer

To attach the case feeder to the annealer, place the 2 hooks on the bottom of the case feeder into the 2 slots in the top of the annealer. Rock the case feeder back until the hooks are fully inserted. Lower the case feeder forward ensuring that the tab in the bottom of the case feeder is aligned with the slot in the top of the annealer. Align the two pins on the funnel up to the feeder gate on the feeder bowl. Align the clear feeder tube with the mount on the annealer body. Move forward until it fits snugly. Insert the thumb screw into the hole between the case feeder and the acrylic tube and finger tighten. The case feeder is now installed and ready to use.



## Feeder plates

Attach a handle to each of the feeder plates with two screws each as provided and tighten with the 2.5mm Allen key provided.

## Power cord

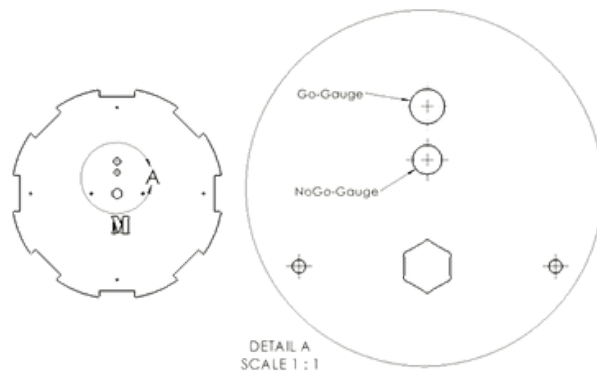
Plug in the power cord at the back of the annealer.



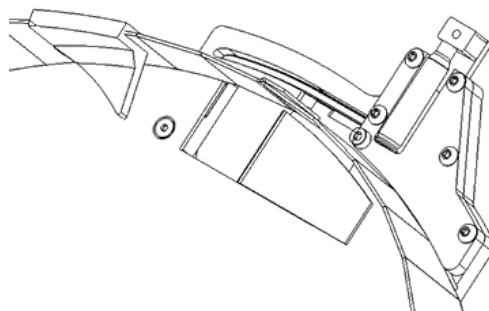
## HOW TO OPERATE THE RELOAD ANNEALER

Select the correct feeder plate (Small, Medium, or Large) by placing the base of the cartridge case to be annealed in the “go- no go” gauge holes in the feeder plate. Place the selected feeder plate into the feeder bowl and align the centre hole with the shaft in the middle of the feeder bowl. Push down to fully seat the feeder plate.

**Exception:** Please note that if the case head is 10mm and the case length is less than 45mm (such as 6 BR and 6.5 Grendel) the SMALL feeder plate must be used to prevent double case feeds.



Set the case length using the slide gauge at the top of the case feeder. Place a cartridge case in the gauge and slide the slider down to touch the top of the cartridge case. This adjusts the case gate in the feeder to the correct width. Lightly snug the silver M4 screw to hold the gate in place.







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Pour cartridge cases to be annealed into the case feeder bowl.  
Place a case tray under the opening at the bottom of the Reload  
Annealer to receive the annealed cases.

## Emergency Stop

On the top of the annealer is a red stop button to press in the case of stoppage or a malfunction. When pressed the annealer will stop operating and the screen will turn red.

Rectify the problem.

Once the problem has been rectified, twist the stop button clockwise to release. Press and hold the input button on the front of the annealer. The annealer will return to the main menu.





## THE RELOADING TECHNOLOGY APP

### Create an account and profile

Search for the App on either Google Play or iOS App Store.

Download and install the App.

Open the App and ensure your Bluetooth is turned on. Create an account using your preferred email address.

Once you have created your account use the hamburger menu on the left-hand side to complete your profile and select you preferred units.

### Add an annealer to your profile

Using the hamburger menu in the top left, select “machines”.

Ensure that the Annealer is switched on and displaying “Reload Annealer” and its serial number. Your device will automatically detect the annealer.

### Register device

Once you have confirmed that the serial number of the annealer matches the displayed number on your device, click “register device”. You will then see a list of your paired devices at the bottom of the screen.

Using the hamburger menus, return to the home screen.

### Create a firearm profile

Select the blue plus in the top right-hand corner. Create a new firearm profile.



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## Create a cartridge

Select this firearm profile and again, with the blue plus in the top right-hand corner, create a cartridge.

First, select cartridge style; either belted, rimmed, or rimless.

Then select cartridge detail and scroll down the prepopulated list until you find the correct cartridge.

Specify a cartridge name or leave it as the default.

Confirm the cartridge dimensions, using the diagram and your specific cartridge case that is to be annealed. All the dimensions must be populated and should be as accurate as possible.

Click “save”.

Return to the home screen where you will now see the cartridge just created.

## Connect to the annealer

Select the cartridge by tapping on it.

Click “connect” to connect to your annealer.

When successfully connected, click “send”. This will send the appropriate settings to your annealer.

The display on the annealer will change to green and display “moving coil”.



# RELOADING TECHNOLOGY

## Start annealing

Once the movement is complete, click “start” in the App and the case feeder will begin feeding.

The Annealer will continue to anneal cartridge cases until there are no more cases to be annealed, or you can press “stop” on your device to stop the process.

When no more cartridge cases are detected, the annealer will run for 60 seconds and then “time out” and stop. A message will be sent to your device advising you that the process is completed.

**WARNING:** Do not touch the cases as they will be extremely hot and will burn you.



## FEEDER TROUBLE-SHOOTING GUIDE

Issue	Cause	Action
Feeder gate not moving	Gate lock screw too tight	Undo gate lock screw
	Feeder gate trapped between feeder bowl and gate assembly	Undo the 2x M5 button head mount screws and correctly install the feeder plate
Case feeder jam (case-head/primer pocket touching gate plate)	Case feeder gate is too narrow	Undo gate lock screw, move setting arm out ~2mm, snug gate lock screw
Case feeder jam (case-mouth touching gate plate)	Case feeder gate is too wide	Undo gate lock screw, move setting arm in ~2mm, snug gate lock screw
Multiple/no cases feeding	Incorrect feeder plate	Confirm the correct feeder plate using the go/no-go holes, remove incorrect plate, install the correct plate



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Jam inside funnel	Funnel or connecting tube incorrectly installed	Check the installation of the funnel, check the installation of the connecting tube.
Feeder not turning	Feeder not connected correctly	Ensure card edge connector is fully seated in the main annealer body
	Feeder plate jammed on case kicker	Remove feeder plate, reinstall under case kicker

**NOTE:**

Please note that there are some exceptions to the feeder plate selection. If a case has a head diameter of 10mm and is shorter than 45mm (e.g. 6BR or 6.5 Grendel), the SMALL feeder plate must be used. This prevents double case feeds.

