



# Topics

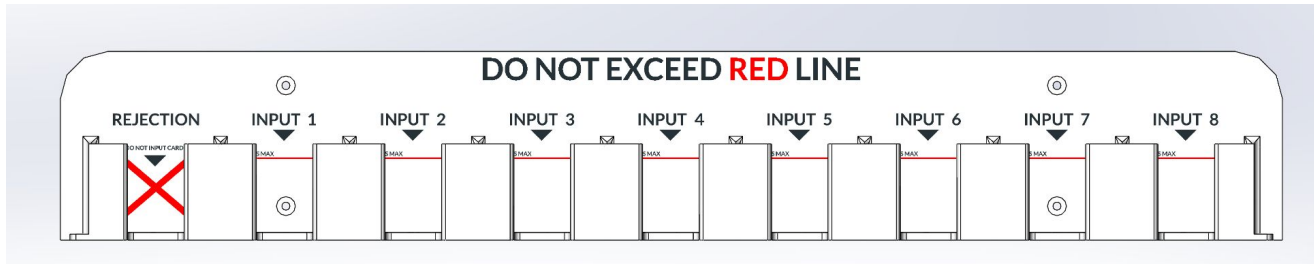
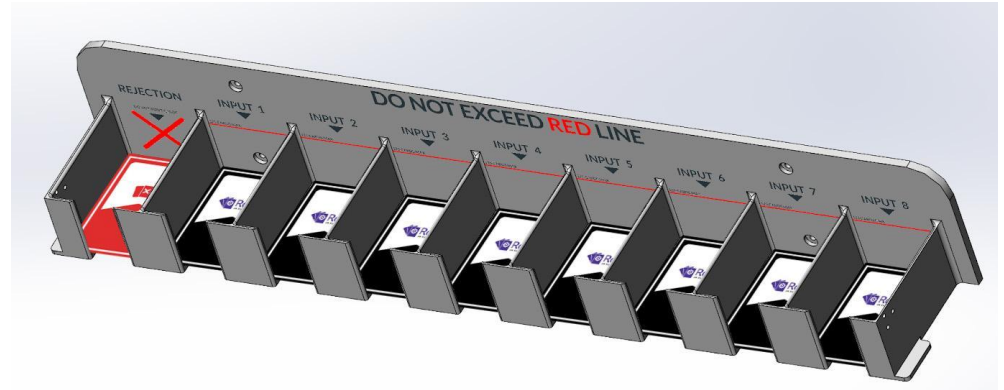
1. Overview of Sorting Algorithms
2. Power, Pausing, and Emergency Stop
3. Key Roca Sorter Settings
4. Maintenance
5. Basic Error Message Overview
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# Input Tray & Sort Algorithms

# Input Tray Overview

- Don't Overfill Past Red Line
- Don't Fill "Rejection"
- Always use 2 handles, put Input Tray flat against the Floor of the machine, and push straight in.



# SORT Algorithm

Set, Name | Name, Set | Set, Collector Number | Color | Rarity | Other Combos Available

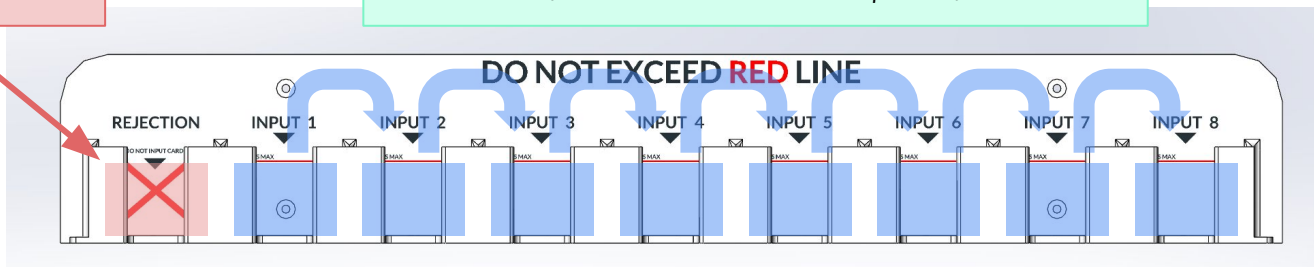
This algorithm will re-order the cards into a sorted 1,000 card series (most commonly Set then Alphabetical by Name).

**NO** Green Divider Cards are Needed

Fully Load All 8 Input Tray Slots

**Rejected** Cards

**Sorted** Cards  
(Continuous 1000 Card Sequence)



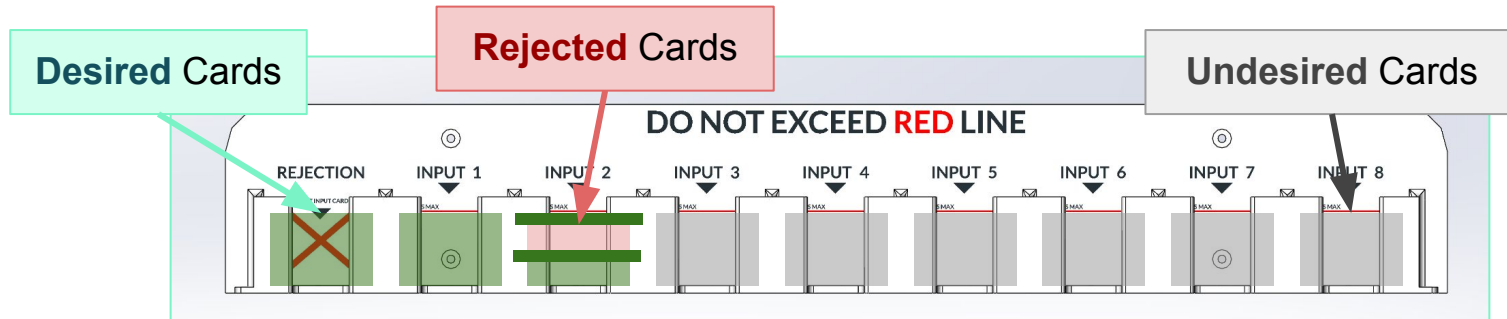
# SIFT Algorithm

Bulk Sift (Price) | Bulk Sift w Rarity

This algorithm will separate  
Desired/Valuable cards from  
Undesired/Bulk.

**2** Green Divider Cards are  
Needed  
Place Green Divider Cards on top  
of cards in input bins

Load 1-7. **Leave 8 Open.**



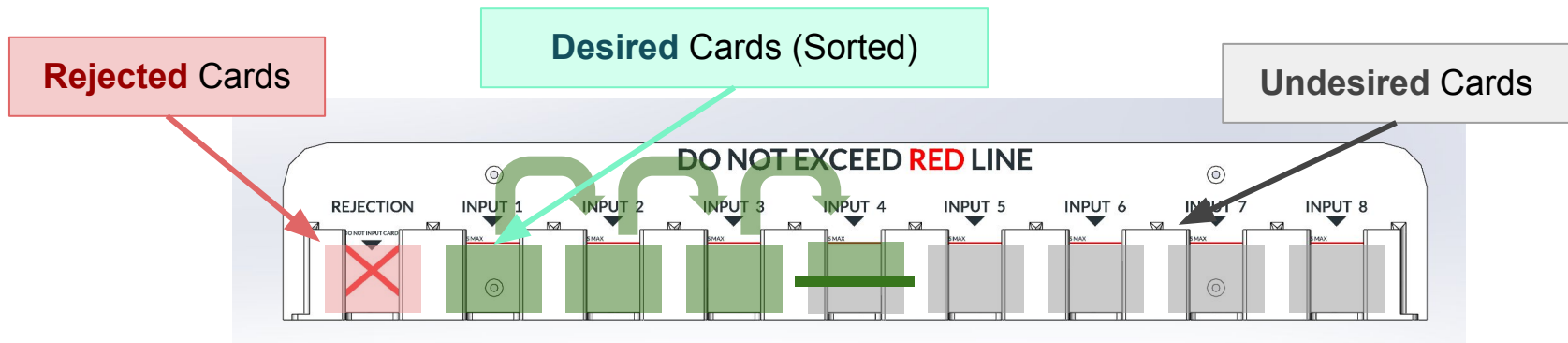
# SIFT+SORT Algorithm

Price Sift, Set-Name | Price Sift, Set-Name (Sort Both)

This algorithm separates cards into categories (e.g. desired/undesired) and then sorts one or both of the categories.

**1** Green Divider Card is Needed  
Place Green Divider Card on top of cards in input bins

Fully Load All 8 Input Tray Slots





# Power, Pausing, Emergency Stop

# Power, Pausing, Emergency Stop

- **To power down the Roca**, press the silver button on the front and wait (~20 seconds) for the lights to turn off. Then flip the switch on the back to fully power down.
- **If you are concerned about something, use the Emergency Stop.** However, once you press the emergency stop, you will need to reboot the machine and run Recover Cards.
- **To Pause a Sort**, you can remove the input tray, and put it back in when ready to resume.
- **To “Abandon” a Sort**, the fastest thing to do is to take out the input tray, remove all of the cards, and let the machine finish.

A collection of Magic: The Gathering cards is shown in a Roca Sorter, which is a white plastic tray with many small compartments. The cards are arranged in a grid-like pattern, with some cards visible in the foreground and others in the background. The entire image is overlaid with a blue gradient. The text "Important Roca Sorter Settings" is written in white, bold, sans-serif font across the center of the image.

# Important Roca Sorter Settings

# Foil / Condition / Language

At the start of each Sort, you should specify a Foil, Condition, and Language for the cards you are about to Sort.

Game	Magic
Foiling	Normal
Condition	Normal
Language	Special Foil (Etched, Gilded, Textured, etc.)
Sort Name	Demo

- Normal
- Foil
- Legacy Normal (recognize any card, prefer normal prices)
- Legacy Foil (recognize any card, prefer foil prices)

Normal / Foil / Etched Foil will only recognize cards that are available in that finish.

Legacy Normal / Legacy Foil will recognize any card.

**Example** - Ice Age cards, but run on Foil finish.

# Set Order

When sorting by **Set**, by Default Sets will be ordered in Alphabetical order (for Magic, according to Scryfall.com names). Amonkhet → Zendikar.

This can be changed to sort by TCGplayer Order, which is roughly reverse chronological with main sets first.

## Sort Ordering

Set Order:

Roca Default

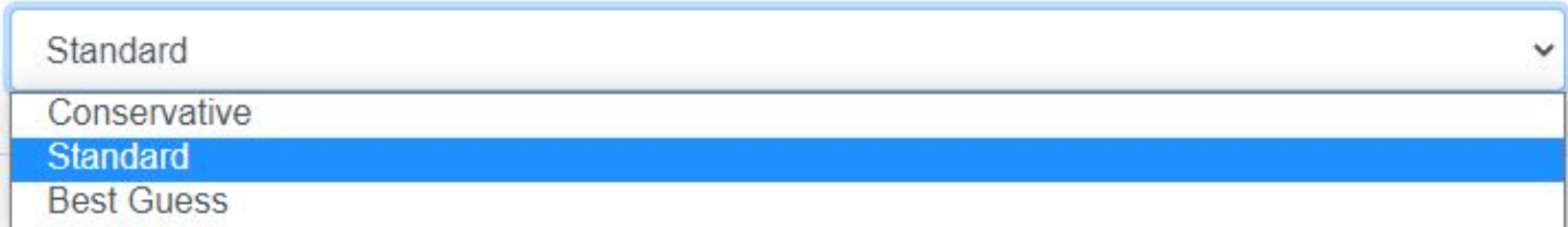


# Card Rejection Threshold - Recognition Confidence

As the Roca Sorter is identifying cards, it is aware of how Confident it is when deciding between similar looking cards (e.g. reprints with the same artwork across different sets). Changing the Card Rejection Threshold will cause the machine to err on the side of Rejecting cards, or taking its Best Guess.

## Recognition

Card Rejection Threshold:



A dropdown menu with a light blue border and a white background. The menu is open, showing four options: 'Standard', 'Conservative', 'Standard', and 'Best Guess'. The second 'Standard' option is highlighted with a blue background. A small downward-pointing chevron icon is visible in the top right corner of the menu.

Standard
Conservative
Standard
Best Guess

**Unpriced Cards**

# Reject Unpriced Cards

Some cards do not have a Market Price available.

## Unpriced Cards

Reject cards if price unavailable.

**Especially during Sifting**, it may make sense to Reject these cards. Otherwise, they will be treated as having a price of \$0.00 and will be “Undesired”.

## Yusri, Fortune's Flame (MH2 Bundle)

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Presale Item: Ships after release date

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**\$6.00**

shipping: included

Power Leech Games

100% - (50000+ sales)

1

of 64

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### Price Points

Foil Printing Prices

Market Price

Buylist Market Price

Listed Median Price

Date

6/14/21

6/14/21

6/14/21

The image shows a top-down view of a grid of white folders. Each folder contains a card with various illustrations and text. The cards are slightly offset, creating a sense of depth. A semi-transparent blue gradient is applied over the entire scene, making the colors appear cooler and more uniform. The word 'Maintenance' is centered in a bold, white, sans-serif font.

# Maintenance

You can see the % of remaining life by going to Menu. A warning will appear when something reaches 20%.

Status			
Filter life:	77%	<a href="#">Reset</a>	<a href="#">Request</a>
Piston life:	96%	<a href="#">Reset</a>	<a href="#">Request</a>
Grease life:	93%	<a href="#">Reset</a>	<a href="#">Request</a>
Pump life:	99%	<a href="#">Reset</a>	<a href="#">Request</a>

When you change out a part, press “Reset” to set the life back to 100%.

If you consume the last spare (or don't have a spare), press “Request” and we will send a new part.

Please SAVE all parts; we will provide a return shipping label for you to return them.

# Filter Replacement

**Filters are mounted to the back wall of the machine.**

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The filters can be replaced by pushing in on two sides of the ring around the tubing along with the tubing and then pull out on the tubing only while keeping the ring depressed.

To install the new filter, please press the tubing firmly into the new filter. As noted on the sticker, the silver end as viewed inside the clear housing should be on the right side of the machine when it is installed.

The top and bottom filters should be replaced at the same time and the little stub of tubing on the top filter should move to the new filter to keep the noise levels lower.

# Rail Grease

1. Locate a microfiber cloth and grease syringe (should be in your toolkit)
2. Use the microfiber cloth to carefully wipe the rails and remove any old grease and other contaminants from the rails.
3. Apply 4 pin head sized dots of grease along the bump where the wheels ride on each side of each rail. The screwdriver in the attached picture is pointing to the bump where the grease should be applied.
4. Press reset on the grease life on the Roca to bring the grease life back to 100%.
5. Continue to use the Roca. There is no need to spread the grease yourself - the Roca will do that as it moves around while sorting.



# Basic Error Message Overview

The background of the slide is a blue-tinted image of a grid of white folders. Each folder is slightly offset, creating a sense of depth. Inside each folder, a card is visible, showing a screenshot of a Windows error message. The cards are arranged in a grid, with some overlapping. The text 'Basic Error Message Overview' is centered in a large, white, bold font.






# Basic Error Messages (1 of 2)







- **Card Misplaced** - the machine sees (or thinks it sees) a card not properly placed in a bin and floating on top of the sorting bins. If this occasionally happens, you can replace the card and resume sorting. ***Double check that the thumbscrews securing the piston are tight.*** If this frequently/repeatedly happens, whether or not there is actually a card misplaced, contact Roca Robotics via [supportdesk@rocarobotics.com](mailto:supportdesk@rocarobotics.com) (issue with either pneumatics or alignment).
- **Piston Not Retracted** - especially if there was an issue earlier in a sort, sometimes the machine will try to pick up a card that isn't there, and the piston will send this error message. You can put a Green Roca Divider card under the piston and try again. If it is happening frequently, contact Roca Robotics via [supportdesk@rocarobotics.com](mailto:supportdesk@rocarobotics.com).

# Basic Error Messages (2 of 2)

- **Connectivity Issues** - Try rebooting the machine. Verify that the Tablet is on the Roca Fi (or 5G) wireless network. If you can't get a connection, contact Roca Robotics via [supportdesk@rocarobotics.com](mailto:supportdesk@rocarobotics.com).
- **Other** - We are here to help! Contact Roca Robotics via [supportdesk@rocarobotics.com](mailto:supportdesk@rocarobotics.com).



Magic Card Type	Notes
The List / Mystery Booster 	The Roca will recognize cards from Mystery Booster and The List. New additions to The List are included with new set updates.
Extended Art, Showcase Cards, "Sketch" Cards, Borderless Planeswalkers 	The Roca recognizes these cards with good accuracy.
Double-Sided Cards 	The Roca will recognize a double-sided card regardless of which face is up. These cards will be alphabetized based on the primary face name.
Tokens 	The Roca will recognize tokens. For reprinted artwork on tokens, the set recognition accuracy is lower than usual.
Basic Lands 	Due to the very high number of basic land reprints, the set recognition accuracy is lower than usual.

Magic Card Type	Notes
Art Cards	 Art cards will scan, but the Roca will not distinguish between the normal and signature foil versions. All art cards will be priced as the normal versions.
Unlimited / Revised	 Accuracy distinguishing Unlimited/Revised is lower than usual, due to lack of set symbol.
Chronicles (Arabian Nights, Legends, The Dark) Anthologies (Visions, Fallen Empires, others)	 There is some identifying information, but accuracy is lower than usual.
Alpha / Beta	 Due to lack of distinguishing features (and similarity to other editions), the Roca will never classify a card as Alpha or Beta.
Foreign Black Border, 4th Foreign Black Border, Collectors Edition, Int'l Collectors	 The Roca will never classify a card as one of these sets.
Promo (planeswalker watermark) & Prerelease	 Promos and Pre-release cards will be recognized as the normal printing.

