

COFFEE CRAFTERS

Since 2012 · Post Falls, Idaho · Made in the USA

THE AVALANCHE

Fluid Bed Conical Destoner

OWNER'S MANUAL



Coffee Crafters LLC

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SECTION 1

Introduction

About Coffee Crafters

Coffee Crafters has built all-electric fluid bed coffee roasters and roasting accessories in Post Falls, Idaho since 2012. Our goal is simple: equipment that is affordable, easy to use, and easy to maintain — designed and built 100% in the USA.

We don't just sell coffee roasting equipment. We provide the support and educational resources to help you succeed as a roaster and grow your business. Check out our YouTube channel for videos on coffee, roasting, and marketing.

Welcome to the Avalanche Destoner

Thank you for purchasing the Avalanche Fluid Bed Conical Destoner! It is the most cost-effective destoner on the market today. Its patent-pending design captures more of the unwanted items that can find their way into freshly roasted coffee — rocks, screws, and other debris — before they reach your grinder or your customer.

Your Avalanche Destoner was engineered from the ground up to be easy to use and affordable for everyone from the casual roaster to the growing wholesale operation. The Coffee Crafters team is eager to help you on your roasting journey.

What makes the Avalanche Destoner different

- **Conical design.** Beans spread across a larger surface, making it easier to trap debris away from your coffee.
- **Unrestricted airflow.** Beans float over the surface of the destoner for cleaner separation of beans from debris.
- **High capacity.** Handles up to 25 lbs. of roasted beans at a time.
- **Mobile cart.** The destoner sits on a wheeled cart with room underneath for a bean bin, for easy mobility and storage.

Happy Roasting!

Jason Scott

President, Coffee Crafters

How the Avalanche Destoner Works

Roasted beans are poured into the hopper and fall onto the separating funnel inside the destoner pot. The blower pushes a steady, unrestricted column of air up through the funnel, keeping the beans floating as they travel across the conical surface and out of the machine into your bin. Rocks, metal, and other debris are much denser than coffee beans, so the airflow can't carry them — they drop and are trapped on the separating funnel, where you clear them out after each batch. A filter pad on the lid catches chaff debris.



Important Safety Information

Read this manual completely before assembling or operating your destoner, and keep it for future reference.

- Plug the destoner into a properly grounded 120V outlet. The blower draws 6.25 amps — avoid sharing the circuit with other high-draw equipment.
- Turn the power switch OFF and unplug the destoner before assembling, cleaning, or removing the hopper, lid, top hat, or separating funnel.
- Keep hands, hair, and loose clothing away from the blower while it is running.
- Use the Avalanche Destoner for ROASTED coffee beans only.
- Operate the destoner on a flat, level floor.

SECTION 2

Warranty & Guarantee

Avalanche Destoner Warranty

Your Avalanche Destoner has been manufactured and tested to the highest quality standards by Coffee Crafters. This Limited Warranty covers defects in material or workmanship on new Avalanche Destoners. The warranty extends to the original purchaser only and is non-transferable. Only customers purchasing destoners directly from Coffee Crafters may obtain coverage under this limited warranty.

Under normal installation per Coffee Crafters instructions, use, service, and maintenance, for a period of one year from the original purchase date, Coffee Crafters will replace, at no charge, any product or part of the product that proves defective due to improper workmanship or material.

The warranties expressed above are the **ONLY** warranties provided by the manufacturer. These warranties give you specific legal rights, and you may also have other rights which vary from state to state.

What Is Not Covered

- Damage resulting from improper installation, delivery, or maintenance
- Any repair, modification, alteration, or adjustment not authorized by the manufacturer
- Misuse, abuse, accidents, unreasonable use, or acts of God
- Incorrect electric current or voltage
- Improper setting of any control
- Use of risers or pedestals not authorized by the manufacturer
- Products returned with removed, damaged, or tampered labels or equipment, or any alterations
- Products purchased for use other than roasted coffee
- Any food loss due to product failures
- Travel and transportation expenses for product service
- Consequential or incidental damages sustained by any person as a result of any breach of these warranties. Some states do not allow the exclusion or limitation of consequential or incidental damages, so this exclusion may not apply to you
- Equipment other than the destoner purchased through Coffee Crafters

If You Need Service

- See the Maintenance & Troubleshooting section of this manual
- Visit our YouTube channel for maintenance and troubleshooting videos
- If you are still having issues, give us a call or send us an email so we can work through it with you

CONTACT

Phone	(509) 228-6916
Email	info@coffeecrafters.com

30-Day Money-Back Guarantee

We want you to be fully satisfied with every item you purchase from Coffee Crafters. If you are not satisfied with an item, you may return it within 30 days of delivery for a full refund of the purchase price, minus shipping, handling, or other additional charges. The item must be returned in new condition, in its original boxes, and with all paperwork, parts, and accessories to ensure full credit.

Return Instructions

1. Contact Coffee Crafters Customer Service at (509) 228-6916 to begin the return process.
2. Pack the item securely in the original package if possible. Enclose the return portion of the original packing slip with the item.
3. All products must be returned in excellent condition, in original boxes, and with all paperwork, parts, and accessories to ensure full credit.
4. All return shipping charges must be prepaid. We cannot accept C.O.D. (cash on delivery).
5. Keep the return tracking number from your package to confirm it arrives at our warehouse.
6. Expect a refund in the original form of payment, usually within 10–15 business days of our receiving your return. Returned funds may reflect charges for incomplete components or damaged materials, and incomplete returns may be delayed. Shipping costs are not refundable.

Damaged or Defective Items

If you receive a damaged or defective item, contact Coffee Crafters Customer Service at (509) 228-6916. Please have your order number, item number, and tracking number from your original confirmation email ready. We will also need your email address and phone number.

We will make every reasonable effort to assist you with your return. If you do not contact Customer Service first, you are responsible for all return shipping charges. A defective item may be repaired or replaced within 90 days of purchase under the Coffee Crafters Warranty.

SECTION 3

Specifications

HOPPER CAPACITY

25 lbs

BLOWER POWER

750 w

Performance, Separation & Power

PERFORMANCE

Hopper Capacity	Up to 25 lbs. of roasted coffee per load
Product	Roasted coffee beans only
Chaff Filter	Filter pad on the lid catches chaff debris

SEPARATION (CONICAL BED)

Avalanche Destoner Area	37.5 in ²
Total Weir Length	51.6 in
Initial Capture Area	17.74 in ²
Initial Capture Length	20.2 in

NOTE

The Avalanche Destoner has 2.5× more capture area than its closest competitors.

POWER

Blower Motor	750 watts
Current Draw	6.25 amps at 120V
Power Supply	120V, standard grounded outlet

NOTE

Destoners built before the motor upgrade use the original 160-watt blower (1.3 amps at 115V). If you own an earlier unit, those figures still apply to your machine.

Footprint & Shipping

FOOTPRINT & SHIPPING

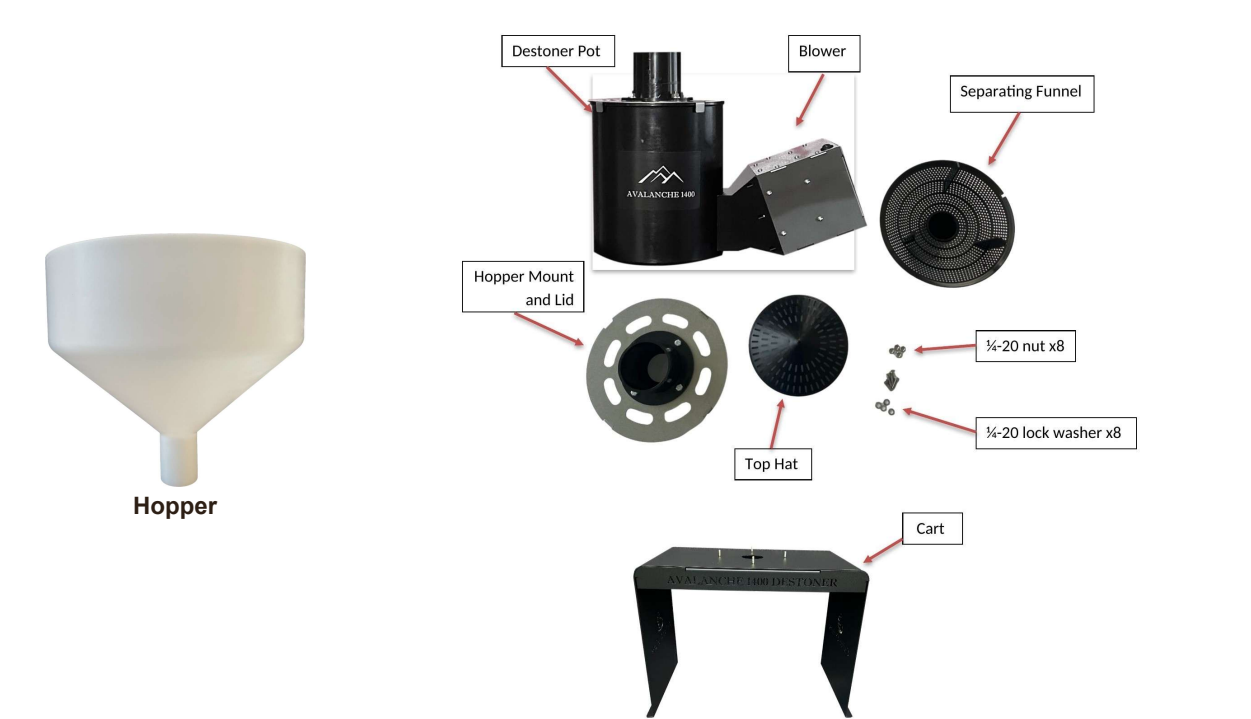
Minimum Floor Space	18 in × 30 in (full system on cart)
Mobility	Wheeled cart with space underneath for a bean bin
Shipping	1 box, 24 × 24 × 24 in, approx. 50 lbs.

SECTION 4

Unboxing & Assembly

Your Avalanche Destoner ships in a single box and assembles in a few minutes. The only tool you need is a 7/16" wrench or socket for the 1/4-20 nuts.

What's in the Box



QTY	COMPONENT
1	Hopper
1	Hopper Mount and Lid
1	Top Hat
1	Separating Funnel
1	Destoner Pot and Blower Assembly
1	Cart (with wheels)
8	1/4-20 nuts
8	1/4-20 lock washers

Assembling the Cart

STEP 1 — Flip the cart

Turn the cart upside down on a clean, padded surface.

STEP 2 — Insert the wheels

Place the wheel studs through the 4 holes on the legs so the wheels are facing you.

STEP 3 — Fasten the wheels

Secure each wheel with one lock washer and one 1/4-20 nut, and tighten.

STEP 4 — Flip it back

Turn the cart right side up and move on to Attaching the Destoner Parts.

Attaching the Destoner Parts

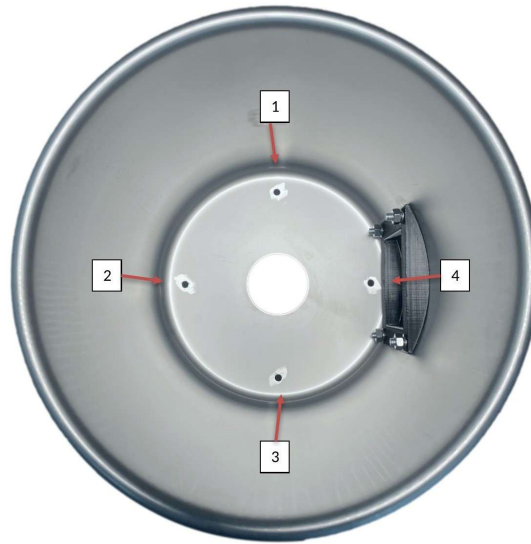
STEP 1 — Set the pot on the cart

Place the destoner pot and blower assembly on top of the cart, feeding the bolts on the cart through the holes in the pot. The logo should face you, with the blower on your right.

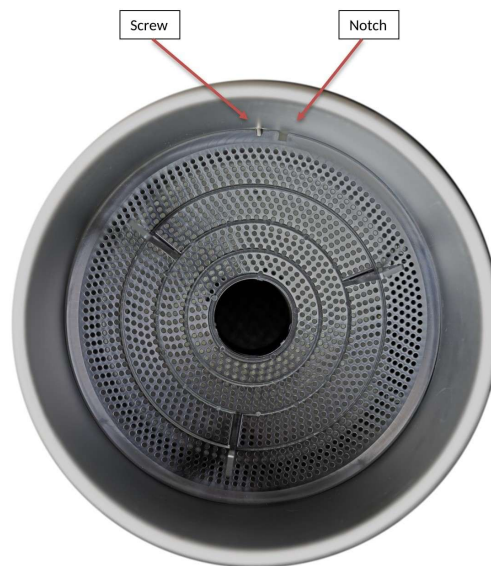


STEP 2 — Fasten the pot

Secure the pot to the cart with one lock washer and one ¼-20 nut on each of the 4 bolts.

**STEP 3 — Install the separating funnel**

Lower the separating funnel through the hole in the pot. Line up the notch in the funnel with the screw on the side of the pot so the funnel can drop all the way down. Once the funnel clears the screw, turn it clockwise to lock it in place.



STEP 4 — Place the top hat

Set the top hat on top of the separating funnel.

**NOTICE**

Make sure the top hat sits level and is not tilted. A crooked top hat keeps the destoner from separating debris properly.

STEP 5 — Add the hopper mount and lid

Place the hopper mount and lid on top of the pot.

**STEP 6 — Add the hopper**

Set the hopper on the hopper mount.

**READY**

Assembly is complete. Your Avalanche Destoner is ready to use — continue to Operating Instructions.

SECTION 5

Operating Instructions

The Avalanche Destoner was designed with ease of use in mind. Five simple steps are all it takes to run the machine.

NOTICE

Use ROASTED coffee beans only. Do not run green coffee through the destoner.

5 Simple Steps

STEP 1 — Power on the blower

Plug in the destoner and turn the power switch to ON.

NOTICE

Always turn the blower on BEFORE pouring beans into the hopper. If beans go in without airflow, debris will not be separated from the beans.

STEP 2 — Position your bin

Place a bucket or bin underneath the cart to catch the beans.

STEP 3 — Pour in roasted beans

Pour ROASTED coffee beans into the hopper and wait for all of the beans to pass through the machine.

**NOTICE**

Do not pour more than 25 lbs. of roasted coffee into the hopper at a time.

STEP 4 — Clear the debris

Turn the power switch OFF. Remove the hopper, lid, and top hat, and remove any debris collected on the separating funnel.

STEP 5 — Repeat as needed

Reassemble the top hat, lid, and hopper and run your next batch.

Tips for Best Results

- If you still see rocks or other debris in your beans, check that the separating funnel and top hat are properly in place.
- When in doubt, run the beans through the machine again.
- Always give your beans a quick visual inspection before you grind or package them.

SECTION 6

Maintenance & Troubleshooting

The Avalanche Destoner has very few moving parts and needs only light, regular cleaning. How often depends on how much coffee you run through it.

⚠ CAUTION

Turn the power switch OFF and unplug the destoner before removing parts or cleaning.

Routine Maintenance

Separating Funnel — after every batch

Remove the hopper, lid, and top hat and clear any rocks, metal, or debris trapped on the separating funnel. Debris left in place reduces the funnel's capture area for the next batch.

Lid Filter Pad

Check the filter pad on the lid regularly. When it is coated with chaff, shake or vacuum it clean, or replace it.

Hopper, Top Hat & Funnel

Coffee oils build up over time, especially with darker roasts. Wash the hopper, top hat, and separating funnel with warm, soapy water, then rinse and dry thoroughly before reassembling. Do not get water into the blower.

Exterior Surfaces

Wipe the pot and cart with a damp cloth. Do not use industrial spray cleaners or degreasers, and never spray liquid toward the blower motor.

Troubleshooting Guide

Rocks or debris still in finished beans

PROBLEM	CAUSE(S)	SOLUTION
Debris is passing through with the beans	Blower was not on before beans were poured Separating funnel not locked in place Top hat sitting at an angle Debris from earlier batches left on the funnel	Turn the blower on before pouring beans into the hopper Line up the funnel notch with the pot screw, push down, and turn clockwise to lock Reseat the top hat so it sits level Clear the funnel after every batch, then run the beans through again

Destoner will not power on

PROBLEM	CAUSE(S)	SOLUTION
No airflow when the switch is turned ON	Destoner unplugged or power switch OFF Tripped breaker or dead outlet	Check the plug and switch Reset the breaker or try a different grounded 120V outlet. If the blower still won't run, contact Coffee Crafters

Separating funnel will not drop into place

PROBLEM	CAUSE(S)	SOLUTION
Funnel stops partway into the pot	Funnel notch is not lined up with the screw on the side of the pot	Rotate the funnel until the notch lines up with the screw, lower it fully, then turn clockwise to lock

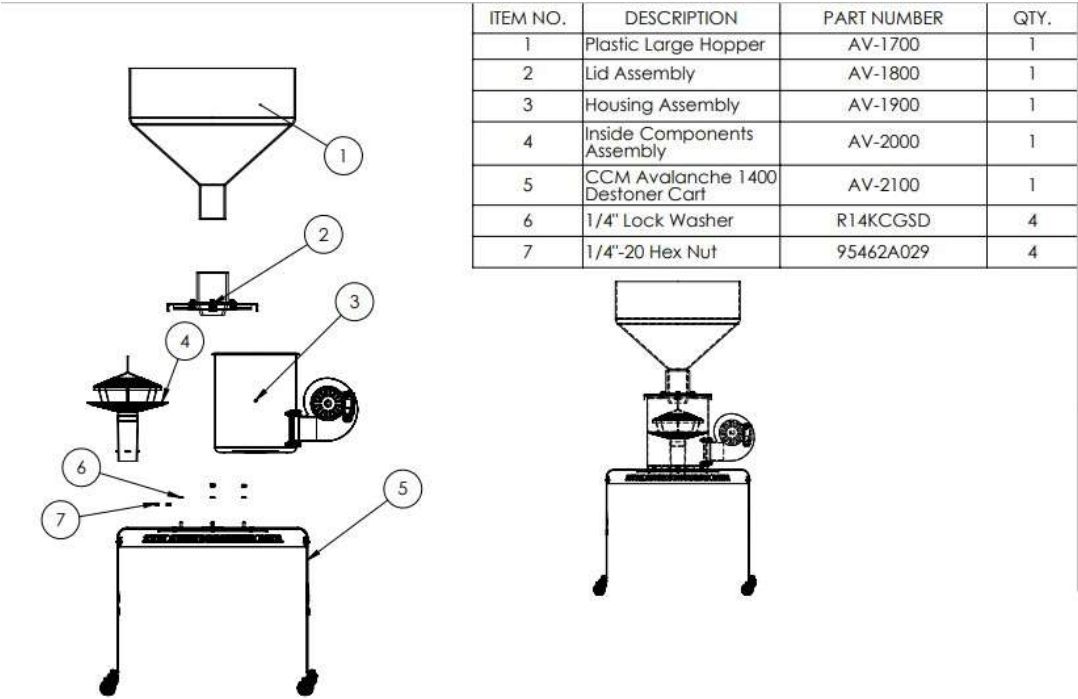
NOTE	Still having trouble? Call us at (509) 228-6916 or email info@coffeecrafters.com — we're happy to help.
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SECTION 7

Parts List

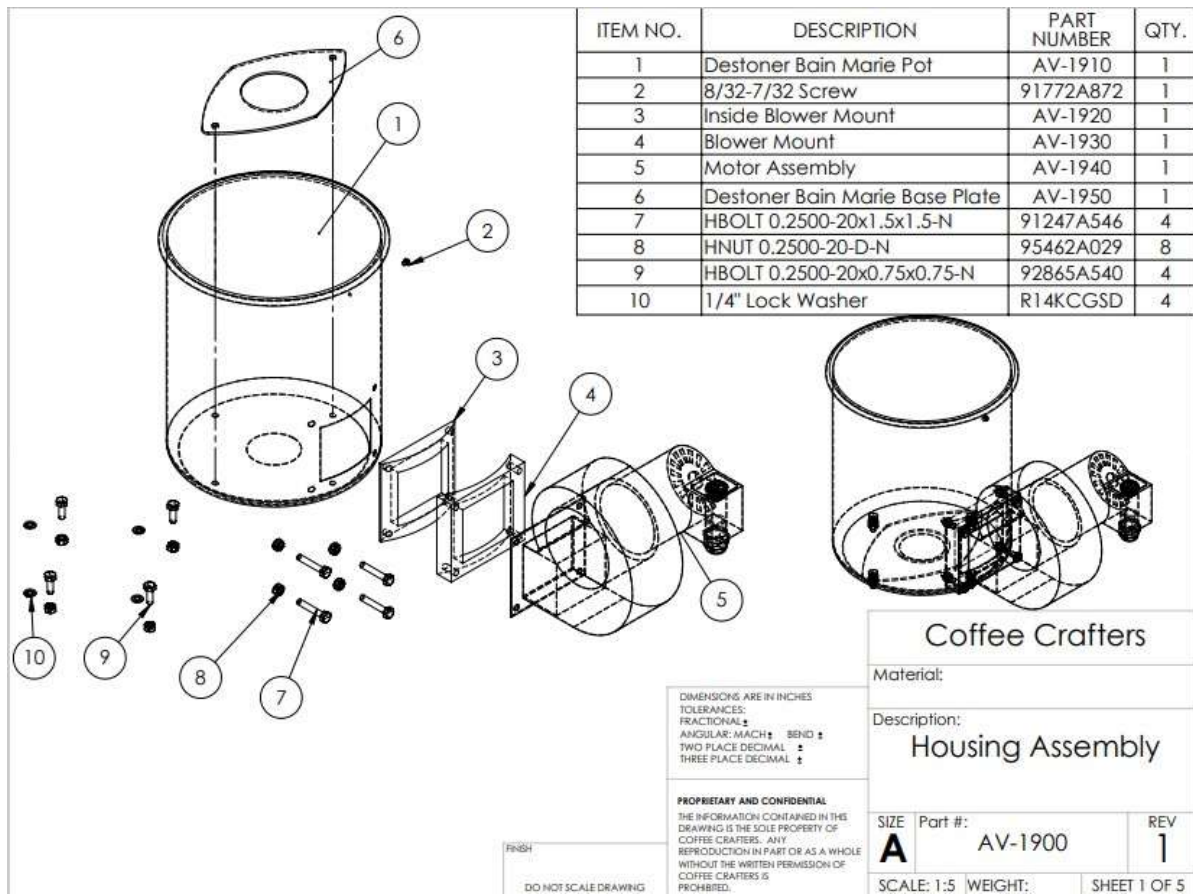
Contact Coffee Crafters to order replacement parts. Item numbers match the exploded diagrams below.

Main Assembly



ITEM	DESCRIPTION	PART NUMBER	QTY
1	Plastic Large Hopper	AV-1700	1
2	Lid Assembly	AV-1800	1
3	Housing Assembly	AV-1900	1
4	Inside Components Assembly	AV-2000	1
5	CCM Avalanche Destoner Cart	AV-2100	1
6	1/4" Lock Washer	R14KCGSD	4
7	1/4"-20 Hex Nut	95462A029	4

Housing Assembly



ITEM	DESCRIPTION	PART NUMBER	QTY
1	Destoner Bain Marie Pot	AV-1910	1
2	8/32-7/32 Screw	91772A872	1
3	Inside Blower Mount	AV-1920	1
4	Blower Mount	AV-1930	1
5	Motor Assembly (750 W)	AV-1940	1
6	Destoner Bain Marie Base Plate	AV-1950	1
7	Hex Bolt ¼-20 × 1.5"	91247A546	4
8	Hex Nut ¼-20	95462A029	8
9	Hex Bolt ¼-20 × 0.75"	92865A540	4
10	¼" Lock Washer	R14KCGSD	4