



MOBIUS TRIMMER

THE DESIGN THAT CHANGED CANNABIS TRIMMING FOREVER.

Trimming is a complex and crucial part of cannabis and hemp production. The ability to process flower quickly, gently, and cost effectively can be the difference between a high-performing, revenue generating producer, and one that struggles to survive.

At Mobius, we take the complexity out of harvesting by offering the best cannabis and hemp trimming and processing equipment on the market. Our devices are engineered for ease of use, scalable output, and safety. They disassemble by hand in minutes and are so easy to clean, they are quickly becoming the unrivaled standard used in top-producing GMP certified facilities around the world. Backed by harvesting consulting experience earned in hundreds of small, medium, and large scale facilities, we offer top-tier customer service and support to help you maximize your Mobius investment.

Once you've tried a Mobius, you won't imagine going back to anything else.

GENTLE ON FLOWER WITH UNRIVALED FEED RATE

Being gentle on cannabis is a function of minimizing the number of times it goes around the tumbler while touching it as little as possible. Cannabis should move through the trimmer efficiently with lots of blade access, cradled by a tumbler that has minimal surface area to block it or collect resin. The Mobius AirThread Tension Tumbler is made of stainless steel cable which means cannabis has very little surface to touch and more access to blades than any rival trimmer. Resin stays on the flower where it belongs. Three independent blade cartridges offer three times the cutting power, resulting in cannabis trimmed to perfection at a quality and rate unmatched by any other cannabis trimming machine on the market.

KEY FEATURES

- Tumbler offers 50% more access to cutting blades than any other trimmer
- Dent-proof, rust-proof tumbler trims wet or dry
- 3 case-hardened blades offer 108" of cut length
- All-in-one design: Fully integrated trim separator and vacuum
- User controllable tumbler speed, blade speed, vacuum power, and tilt
- Run two units tandem for over double the production
- Easy to clean and GMP-ready
- WET: 60 - 120 lbs/hr
DRY: 30 - 60 lbs/hr



THE PERFECT TUMBLER

Innovative in design. Unrivaled in performance. The AirThread Tumbler is made from a single strand of aircraft grade stainless steel cable over 300-feet long, woven 90 times to form a 36-inch tube. This unique and patent-pending, woven design not only allows Mobius tumblers to be rust-proof, but also dent-proof, as they become flexible when removed. When locked into place with evenly applied spring tension, the tumbler becomes perfectly cylindrical. The consistent and tiny gap between the tumbler and blades makes for a consistent and tightly trimmed end-product.

Stainless-steel cable construction offers industry leading 0.25-inch gaps for maximum cutting blade access – more than 50% greater than traditional tumbler designs. This enables a faster trim time (product spends less time in the tumbler), less surface area to collect resin (reducing cleaning time and precious resin loss), and a closer trim.



THE SPRING JACK TOOL

The Mobius Spring Jack Tool is the key to quickly achieving ideal and consistent tumbler tension. It's the only tool you'll need to disassemble the M108s for cleaning and comes standard with the machine. When affixed to the lid, the Spring Jack releases the tension holding the tumbler in place, allowing it to be effortlessly removed. When the tumbler is installed, the SpringPack lid holds it perfectly in place with even tension eliminating the potential for user error.



INTEGRATED SEPARATION SYSTEM

With the Integrated Separation System, both the trim separator and vacuum are built directly into the body of the M108s, vastly reducing the machine's footprint. Its hose-free design makes it easier to clean, less wasteful, and a perfect addition to GMP certified harvesting workflows. Smooth internal surfaces with a unique, curved design gently moves trim through the machine on a cushion of air to a removable Trim Tote. By never contacting an impeller, the trim looks like it was cut with scissors, retaining 100% viability and value for use in extracts.

TANDEM TRIMMING: COST-EFFECTIVE & SCALABLE



Increase production by more than double when a second M108s is connected in tandem. Two trimmers working independently require two crews to operate and a second conveyor system for automation. Our tests have shown that tandem configuration has a faster feed rate and yields more top-quality trimmed flower. This configuration is more space efficient and is less costly to operate due to fewer people being involved and less automated infrastructure to purchase and maintain.

TRIFLEX TRIMMING IS A CUT ABOVE THE REST

The M108s is equipped with three, self-sharpening blade cartridges. Each cartridge consists of a surgical-grade stainless steel bedknife flexed against a case-hardened helical blade with constant, gap-free contact to create a shearing cut identical to scissors. Three 36-inch blade cartridges set side-by-side offer 108-inches of trim opportunity with each pass of the tumbler. Product is trimmed faster and spends less time in the tumbler, minimizing the risk of impact damage.



Each TriFlex blade cartridge is custom made in-house by Mobius using our proprietary tooling. Helical blades are nitrided to harden their surface and black-oxidized to prevent rusting. Cartridges are held in place by tension, so they simply lift in and out of the machine by hand with no need to fuss with bolts or screws. Alignment will always be perfect with no adjustment or "dialing-in" required. You'll get a precision cut every time with no "clicks" or user error.



SIMPLE & SAFE TO OPERATE

The M108s uses a variety of indicator lights and sensor technology to offer a safe and worry-free trimming experience. The system automatically shuts down if a panel is removed, the lid opens, or the in-feed hopper or output chute are misaligned. The tumbler chamber glows red to immediately indicate a fault status, blue to denote ready for trimming, and white when in operation.



EASY TO CLEAN

Not only does the semi-enclosed M108s create less mess, but cleaning it is easy and quick – reducing labor costs. Disassembly is nearly tool-less, and designed so that all plant touching components are "hot swappable" in minutes. Effortlessly replacing dirty components with fresh ones maximizes production time, keeping your trim-team trimming, while your sanitation crew cleans in parallel.

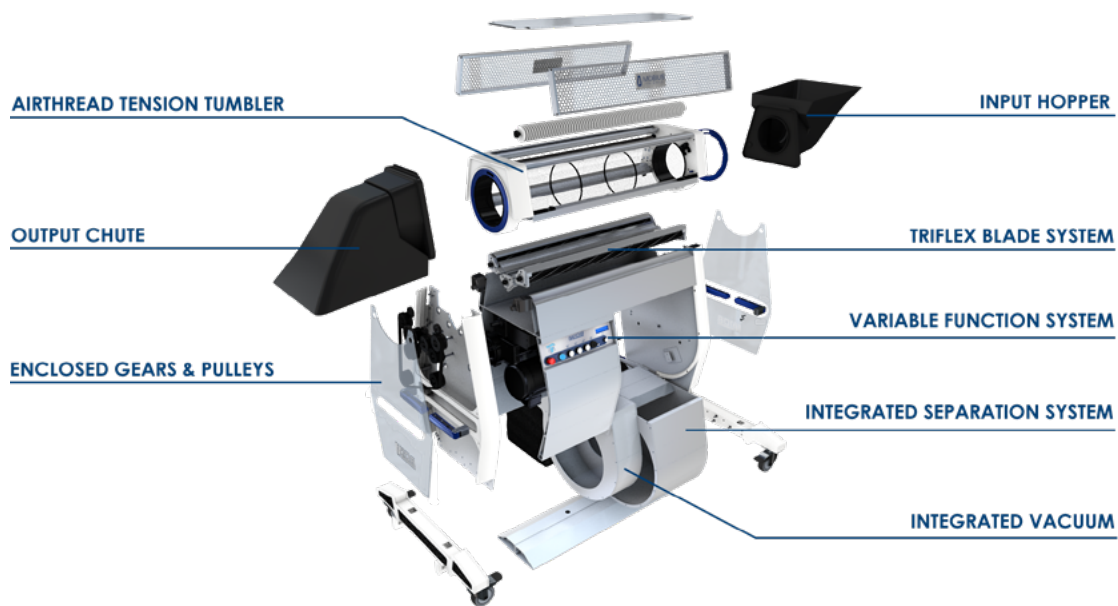


VARIABLE FUNCTION SYSTEM

The Variable Function System allows the user to adjust tumbler speed, blade speed, vacuum power, and tilt, from an easy-to-reach control panel at the front of the machine. Modifying settings allows the M108s to be customized to suit any moisture condition, strain type, or end-product consistency. Trimming dry and want a gentler process? Reduce the suction and tumbler speed. Have a higher QC tolerance? Raise the tilt and send product through faster. Want to stop the machine immediately? Hit the large red stop button and all moving parts come to a halt. Machine setting variability allows you to customize your M108s to deliver perfect product, every time.

DESIGNED WITH GMP IN MIND.

Good Manufacturing Practices, commonly referred to as GMP, are an internationally harmonized set of standards that ensure manufacturing facilities are clean, and produce consistent products that are free from cross contamination. The M108s is a perfect fit for GMP-compliant workflows because it doesn't have any inaccessible parts, hoses, or concealed cyclones which are difficult to clean and may harbor microorganisms when not carefully inspected. The Standard Operating Procedures of the M108s are straightforward, ensuring consistent use and output. All plant-touching parts are smooth, made of non-toxic corrosion-resistant materials capable of withstanding repeated cleaning, and easily removed for cleaning or exchanged with clean parts. The fully integrated trim separator and vacuum make for minimal airborne particulate and a cleaner workspace. It is also designed without the use of hoses that are almost impossible to clean to GMP standards.



POWER

Power Requirements	3 Phase, 208V, 22Amps
Vacuum Motor	5HP
Tumbler Motor	1/8HP
Cutter Motor	3/4HP

FEED RATE

FEED RATE	SINGLE UNIT	TANDEM
WET TRIM	66 - 120 lbs/hr	110 - 260 lbs/hr
DRY TRIM	30 - 60 lbs/hr	70 - 140 lbs/hr

SPECIFICATIONS

Trim Methodology	Throughput
Wet / Dry Capable	Yes
Construction	Anodized Aluminum & Stainless Steel
Speed Adjustment	1 - 11
Number of Blades	3
Blade Treatment	Nitrided
Tool-less Disassembly	Yes
Tandem Ready	Yes
Integrated Tilt Angle	Yes

MEASUREMENTS

Tumbler Diameter	8"
Tumbler Length	36"
Length with shrouds in place	43.5" 77.5"
Width	43"
Height	47"
Fits Through a 32" Door	Yes
Warranty	1 year
Certifications	ETL (CSA & UL Equivalent)