

MARVEL

**Every flower inspected.
Every batch scored.
By a machine that never
gets tired.**

The world's first AI grading and sorting machine for cannabis.
Built by Keirton Inc.



Marvel by Twister grades and sorts cannabis flower at up to 150 lbs (68 kg) per hour, recovering yield, holding quality, and cutting QC labor.

Recover the yield

A poor process turns good flower into trim. Marvel grades every flower so the line runs lighter - and every point recovered is finished flower you already grew and paid for.

Cut the QC labor

Marvel grades and sorts at rates equivalent to five to fifteen people, depending on throughput and line design - all day, every day. Your people move to work that needs judgment.

Hold the standard

The same call on the same flower at hour nine as minute one. Quality stops drifting with fatigue, shift changes, and individual bias.

Prove it, per lot

Every grade call and lot report logged, timestamped, retrievable. Attach the report to a bulk sale and buyer and seller argue about nothing.



OPERATION

Flower arrives by conveyor or hopper. Marvel images each flower from multiple angles, grades it against your criteria, and sorts with a puff of air - good flower passes straight through untouched. In a Twister line, Marvel closes the loop: flagged flower auto-routes for re-trim, and Oracle, our volumetric scanner, meters the infeed.

FEATURES

- Up to 150 lbs of finished flower per hour
- Accuracy averaging above 80%, with peaks up to 98%
- Uses advanced AI algorithms to grade cannabis
- Per-lot reports: every grade call logged - timestamped, retrievable
- Run from a 19" touchscreen
- Adjustable two ways: sensitivity classes up to 7 levels on stepped criteria; binary criteria (color, size, flat spots) use 0-100% thresholds
- Criteria can be combined to create conditions based on your preferences, genetics and seasonal impacts
- Two to four output streams, configured per operation - good flower passes straight through untouched; up to three air-sorted streams route the rest

SPECIFICATIONS

Product Number	Configuration-specific (2-, 3-, or 4-sort; 60Hz or 50Hz) - on your quote
Input Voltage	120V, 1-PH
Supply Circuit	120V, 15A (North America)
Frequency	60HZ
Air Requirements	7 CFM at 120 PSI (clean, dry)
Network	50 Mbps connection
Noise Level	70 dB
Length	80" (2032mm)
Width	40" (1016mm)
Height	80" (2032mm)
Weight	750 lbs (340 kg)
Certifications	CSA-certified per unit at build; CE compliant

GRADING CRITERIA

Stem length — the length of the stem at the base of the flower

Leaf length — the length of a given leaf on a flower

Leaf number — the concentration of untrimmed leaves on a flower

Crow's feet — the petioles left behind from removing fan leaves

Structural stems — stems that maintain flower structure for two or more flowers

Flower size — the absolute size of the flower

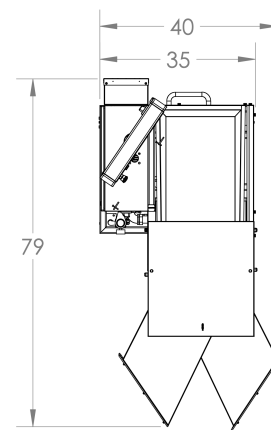
Flower color — the discoloration of the flower

Flat spots — flower flattened or damaged in handling

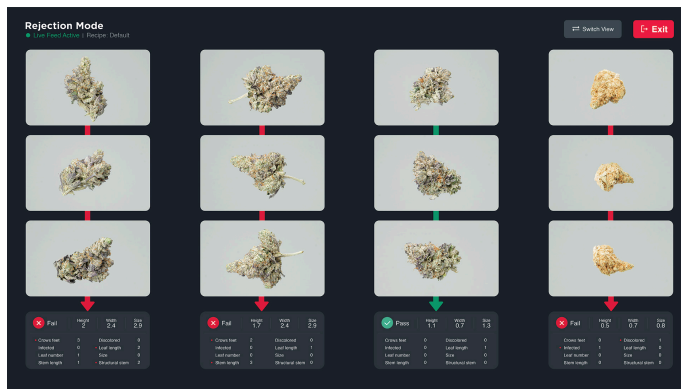
Strain — trained on your genetics, detects and separates mixed strains

Infections — the visible presence of mold

FOOTPRINT



GRADING HMI



Rejection Mode



Analytic Mode

CONFIGURATIONS

2-sort: pass/reject - the simplest line: good flower through, flagged flower out.

3-sort: adds a mid-grade stream - premium, B-grade, and rework routed separately.

4-sort: full grade separation - up to three air-sorted streams plus the untouched pass-through.



"2x speed of last season with less than half the crew. Marvel pays for itself in 2 weeks."

Corey Lord
Postharvest Manager, Grip Cannabis

Visit twistertech.io or call 1-888-254-3204 to book a demo - it runs on your flower.