

ALADDIN™

OPTICAL SORTING OF PLASTIC BOTTLES BY RESIN TYPE AND COLOR



MAXIMIZE SORTING EFFICIENCY. MINIMIZE CONTAMINATION LEVELS.

The Aladdin™ is designed for high-capacity plastic bottle sorting. The standard module generates two or three output streams from one input stream. In a split configuration it can sort two input streams at the same time generating a total of up to six outputs.

The Aladdin™ has integrated color and near infrared (NIR) sensing providing precise plastic resin and color identification at the same time in one module. The integrated automated sensor cleaning system insures maximum uptime.

The Aladdin™ can also separate opaque from transparent objects and provides double signal intensity for transparent objects (light-blue PET, PVC/PET).

The incoming material is distributed over the machine width and travels underneath the sensor array, which is mounted on top and at the end of a high/speed acceleration belt.

The NIR and color sensors identify material type and color of all objects passing through the sensor. State-of-the-art electronics process the detected signals and activate air valves which eject the targeted material upward/downward into a chute.

A touchscreen user interface allows full setup control. Factory software upgrades and advanced diagnostics are available via modem /network connection.

MSS

OPTICAL SORTING SYSTEMS

ALADDIN™

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ALADDIN™ MODELS	A-1600-3	A-2000-3
Sorting Capacity	4.0 tons/hr	5.0 tons/hr
Sorting Efficiency	90-95%	90-95%
Electrical Requirements	approx. 10kW	approx. 12kW
Air Pressure	100 psi / 7 bar	100 psi / 7 bar

AVAILABLE OPTIONS/UPGRADES

- Smaller/Larger machine sizes available upon request
- Metal detector upgrade optional
- Transmission Sensor optional for identification of opaque PET and natural vs. opaque HDPE
- Split configuration optional
- Color touchscreen user interface with modem/ethernet access
- Statistics and quality reports download options
- Different sort configurations by the touch of a button

MSS WARRANTY

As with all our products, the MSS Aladdin™ system is supported by experienced, dedicated service technicians and engineers. It is covered by a full one-year comprehensive warranty on parts, workmanship, and performance.

