

## HIGH-RESOLUTION COLOUR CAMERA SORTING SYSTEM FOR SMALL PARTICLES



### **SORTING IN HIGH DEFINITION.**

### **ELIMINATE COLOUR CONTAMINATION.**

The MSS L-VIS™ optical sorter for small particles uses a state-of-the-art high-resolution colour camera and provides accurate colour separation of small particles such as plastic flake and pellets, e-scrap fines, metal scrap, minerals, etc. Even the smallest and thinnest particles (stranded copper wires) are accurately detected and removed by precisely pulsed air jets.

The L-VIS™ as shown above is configured in a conveyor arrangement. It can easily be integrated into existing processing systems. MSS builds the L-VIS™ in standard widths of 800mm/32" and 1200mm/48" (other sizes upon request) and the exact sensor configuration is tailored to the specific processing application.

The incoming material is distributed over the width of the L-VIS™ optical sorter by means of a vibratory feeder. The material travels through the sensing zone towards the end of the conveyor or slide. The high-resolution camera analyses and classifies each individual particle, up to several thousand per second!

State-of-the-art electronics process the detected signals and activate the corresponding air valves, which are spaced at 6.35mm (1/4").



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### SAPPHIRE™ MODELS

Machine Widths	800mm/32" and 1200mm/48" (other sizes upon request)
Sorting Efficiency	Up to 95%
Sorting Purity	Up to 97%
Electrical Requirements	4 kW
Required Air Pressure	100 psi / 7 bar



### AVAILABLE FEATURES/UPGRADES

- Metal detector upgrade
- Split configuration
- Statistics and Quality Control Reports
- Colour touch screen user interface with modem/Ethernet access
- Selection of languages (English, Spanish, German, French, etc.)
- Different sort configurations at the touch of a button

### MSS WARRANTY

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

