



## Professional Packaging Systems

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# Markem-Imaje ES Fume Extracting Unit



## At a Glance

- Protect workers from fumes, dust and other particles
- Simple efficient filter management
- Robust portable design

## Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.

## Protect Operators from Fumes, Dust and Other Particles

The Markem-Imaje ES industrial laser fume extractor protects operators from fumes, dust and other particles when coding with lasers. This fume extracting unit is designed for health and safety compliance, as well as portability.

## Optimized Filter Life and System Performance

**Improved Filter Capacity** Reverse flow air technology improves the pre-filter capture performance and ensures longer filter life by 15%.

**Extend Pre-Filter Life** Inline cyclone and inline filter options extend your pre-filter life by 30% for applications with heavy particulates or high amounts of dust.

**Application Kits** Dedicated extraction and laser installation kits designed to ensure health & safety compliance, optimized system performance and low cost of ownership.

## Simple Efficient Filter Management

**Fast and Efficient Filter Changes** Independent filter condition monitoring provides real time information on each of the different filters and identify when and which filter should be replaced.

**Maintain High-Quality Codes** Automatic flow control provides a consistent air flow over the life of the filters. When filters begin to block, the air flow rate is automatically adjusted to ensure efficient particulate, gas and odor capture.

## Safe Working Environment

**Protect Operators from Odors and Harmful Gases** Advanced carbon filter technology ensures that all hazardous micro particulates and gases are captured and retained in the main filter.

**Prevent Contamination of Products from Dust & Particulates** The unique design feature of DeepPleat Duo pre-filter ensure that capture of medium-size particulates is optimized within a rigid metal structure.

## Key Features & Benefits

**Laser Interfacing** Automatic Starts/Stops when the laser is activated / deactivated plus filter clogging signal.

**Robust & Portable Design** Stainless steel cabinet with two lockable casters.

**Main Filter** Combined HEPA / Chemical filter captures hazardous micro particulates, gases and odors.

**Pre-Filter** Designed for easy and safe filter changes.

**Clear and Precise Information** High contrast LCD screen displays with clear and simple icons.

**Independent Filter Monitoring** Patented multi-sensing technology to monitor filters status.

**Remote Diagnostics** Activity log file enables simple and fast identification of faults.

**Advanced Safety** iQ+ will signal an alarm if the main HEPA/Gas filter is not fitted.

## Specifications

	ES 100	ES 500+	ES 1000+	ES 500+ PVC
<b>Extractor Selection</b>				
Production Rate (prod/min)	Below 150	Below 600	Below 1200	Below 600
Substrates Coded	All substrates including paper, PET, foils, glass, rigid plastics (except PVC)			PVC and high odor
Flow Rate (m3/h) (cfm)	150 / 88	380 / 223	950 / 559	325 / 176
<b>Cabinet Specifications</b>				
Height (cm/in)	51 / 20	98 / 38.6	113 / 44.5	107 / 42
Depth (cm/in)	33 / 13	51 / 20	81 / 32	62 / 24.5
Width (cm/in)	33 / 13	45 / 18	60 / 23.6	57 / 22.5
IP Rating	54	56	56	56
Pump Capacity (W)	135	1100	2200	1100
Voltage (V/Hz)	230/50 or 110/60	240/50 or 115/60	230/50 or 115/60	240/50 or 115/60
Power Cable (m/ft)	3 / 10	3 / 10	3 / 10	3 / 10

Sound Rating (dBA at 1 meter)	54	60	63	60
Cabinet Material	Stainless	Stainless	Stainless	Stainless
<b>Laser Interface</b>				
Start / Stop Extractor Signal	N/A	Available	Available	Available
Filter Full & Power Off Signal	Red Light	Available	Available	Available
<b>Filter Specifications</b>				
Pre-Filter Surface (m2/ft2)	2.7 / 29	12 / 129	30 / 323	2 / 21.5
Gas Filter (kg)	7	15	34	30
<b>Hose Kit</b>				
Fume Extraction TubeD x L (mm x m) (in x ft)	50 x 32 x 10	50 x 52 x 20	75 x 33 x 10	50 x 52 x 20
UL Approved		Yes		Yes

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