Model FumePRO101-LDCF is an effective Fumes Extraction System for laser dust and chemical adhesives type fumes. Housed in a metallic cabinet, it is a rugged System for continuous working in production environment. Maintenance-free Brushless Turbine combined with electronic speed control, ensures low maintenance cost.

Laser Etching Metal Fumes Extraction

Adhesive/Chemical Fumes Extraction
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**Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stationary Pressure</td>
<td>2400 Pa</td>
</tr>
<tr>
<td>Airflow Rate</td>
<td>120 m³/h</td>
</tr>
<tr>
<td>System Flow</td>
<td>100 m³/h</td>
</tr>
<tr>
<td>Filtering Efficiency</td>
<td>Upto 99.97%</td>
</tr>
<tr>
<td>Noise Level</td>
<td>&lt;60dB</td>
</tr>
<tr>
<td>Input Power Supply</td>
<td>230V/50Hz, 120W</td>
</tr>
<tr>
<td>Main Unit Size (approx.)</td>
<td>400 x 230 x 350 mm</td>
</tr>
</tbody>
</table>

**Scope of Supply**

- Metallic Case Extraction/Control Unit
- 4-Part Metallic Hose with small Flexible Hose
- 360 x 360mm Square Metal Absorber
- Bottom Hi-Temperature Connection Hose
- Metallic Benchtop Bracket with two Clamps
- One Electronic Speed Control Regulator
- One Spare Dust Filter

Ready-to-use Laser Dust & Chemical Fumes Extraction System Model FumePRO101-LDCF is fitted with **4-stage Filters**: Metal Mesh, Fine Dust Filter, Pre-Filter, Chemical Gas Filter, Middle Filter and HEPA Filter. Combination of these Filters cleans polluted air by separating 99.9% contaminated solder fumes. This System is designed for use both in industrial and laboratory environment. All it needs is the Mains Input Power Supply only.

**Details of 5-Stage Special Filters used in this Laser Dust & Chemical Fume Extraction System**

- **Metal Mesh**: Absorbs heat of fumes to avoid damage to Filters
- **Stage I Fine Dust Filter**: Absorbs fine laser dust to prolong the life of other filters
- **Stage II Pre-Filter**: The Pre-Filter filters the bigger size particles for prolonging the life of both Middle and Main Filters.
- **Stage III RD Middle Filter**: It is a Chemical/Adhesive Filter. It filters chemical particles and adhesive particles of fumes.
- **Stage IV Middle Filter**: It filters coarse size fume particles to prolong life of expensive HEPA Filter
- **Stage V Main HEPA Filter**: This Filter is of activated charcoal type which absorbs all harmful gas substances to provide clean air finally.
Top Metallic Mesh Plate
It absorbs heat of fumes and prolongs filter life

Fine Dust Filter
It filters fine dust particles of fumes.

Pre-Filter
It filters bigger size particles

Chemical/Adhesive Filter
It filters chemical and adhesive particles

Middle Filter
It filters coarse size fume particles

HEPA Main Filter
It absorbs all harmful gas substances

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