

Advantage 180 Extraction System

The Advantage 180 is a HEPA (High-Efficiency Particulate Air) filtered, industrial extraction system specifically designed for laser marking applications.

Progressive, 3-stage high efficiency filters readily handle both particulate and fume by-products.

The high extraction rate and vacuum, coupled with unsurpassed filter capacity and design, make premature filter skinning or blocking a thing of the past.

Optional features include VOC (Volatile Organic Compound) monitoring, remote blocked filter detection and automatic start/stop via the laser ready signal.

In addition, the new pre-filter is designed to remove sticky by-products without significant loss of filter life.

Also available is a special version for PVC coding applications, with both VOC and HCl (hydrochloric acid) monitoring included as standard.

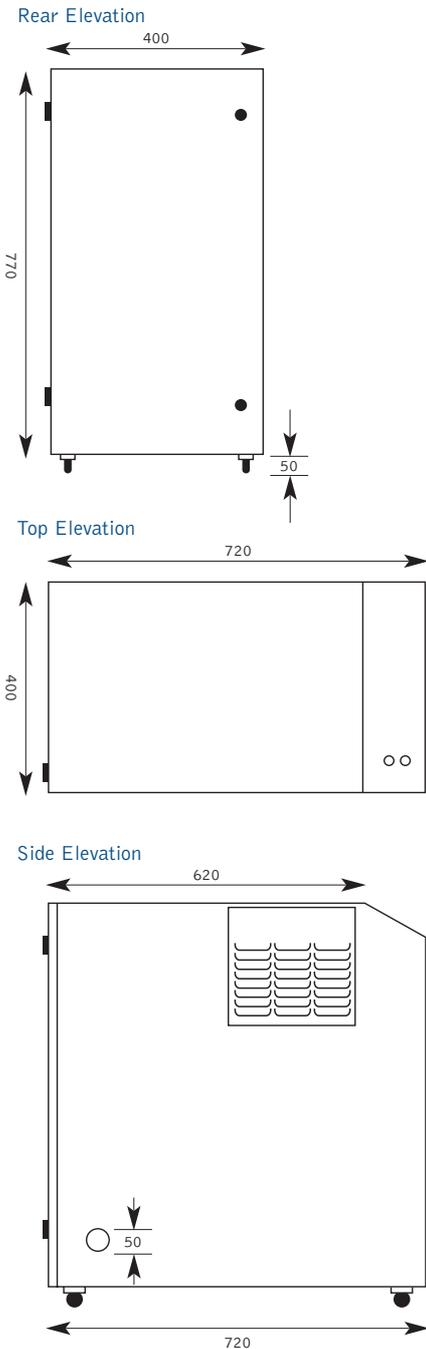
Compatible with all current Linx laser coding systems

Stainless steel construction with IP56 enclosure

Supports common worldwide voltages

Advantage 180 Extraction System

Dimensions (mm)



Extraction

Capacity – air flow	160 m ³ /hr
Filters	Total surface area 9 m ²
Pre-filter efficiency	99% @ 0.8 micron
HEPA-filter efficiency	99.997% @ 0.3 micron
Gas filter	Activated carbon 6 kg
Filter condition	Gauge or indicator light options
Noise level	Less than 63 dB
Silencer	Integral; ducts to atmosphere
Exhauster	Side channel blower

Physical Characteristics

Mechanical configuration	Main body, central support, lid and base are 304 grade brushed stainless steel
Wheels	Industrial grade castors, two lockable
Electrical requirements	230V single phase 50/60 Hz or 110V 60/50 Hz
Power cable length	3 metres (3 core)
Power switch	Illuminated ON/OFF (8A trip) (16A on 110V)
Full load current	6A (10.7A on 110V)
Insulation	100% fireproof foam
IP rating	IP56 enclosure
Weight	60 kg

Blower/Pump

Blower/pump life	20,000 hours
Power output	0.8 kW (0.9kW on 60Hz)
Airflow	180 m ³ /hr
IP rating	IP54 synchronous (brushless) motor

Standard Equipment

Warranty	3 years
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Unit Options

24V stop/start via laser	Allows the extractor to start and stop in sequence with the laser
VOC indicator	Alerts the laser when Volatile Organic Compounds are penetrating the gas filter
PVC variant*	To be used when processing PVC. Includes acid-proof internal contact parts, VOC monitoring and specific HCl monitor
System failure signal	Alerts the laser in the event of a failure within the extractor
Speed control	Manual

Filter Condition Gauge

Filter blocked signal	Alerts the laser when filters need replacing
Particulate monitoring	Alerts the laser if particulate is bypassing the filter

* This is a separate product available to order.

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