DOMINO

# Domino DPX extraction systems

## Clean air never looked so good


Laser coding fume and particulate extraction – cleans your working environment and maintains exceptional code quality.

Domino. Do more.

## Domino DPX – efficient and effective fume and particulate extraction for laser marking applications.

The cleverly designed DPX cleans the air around your laser coder, protecting your staff from potentially harmful fumes and particulates.

## A diverse range of applications

Its close integration with the laser coder keeps lenses and production equipment clean – ensuring code quality is maintained.


Maintaining brilliant code quality

Proven reliability in wet environments


Special extraction for PVC and high odour applications


### Greener credentials

Domino's commitment and investment in sound environmental practices means we frequently exceed the demanding governmental, industry and company standards and regulations. We are committed to minimising the consumption of natural resources and energy and the creation of waste. Additionally, our products are RoHS and WEEE compliant so that they are recyclable.

# Keeping your environment clean and safe

## Clean and safe

The DPX protects staff from dust and odours – and neatly captures contaminants. Its gas and particulate sensors monitor exhaust air quality to ensure that you are able to meet international regulations governing health and safety at work.


## Stays ahead of regulation

Gases and particulates are captured by the DPX filter bags thereby avoiding problems with external emission regulations. Our filters include a chemical layer to remove potentially toxic gases.

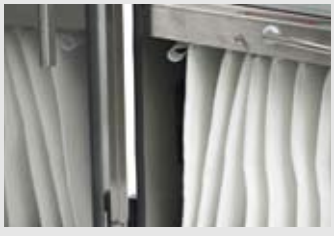
## Independently tested

In independent tests, the main HEPA filters removed 99.997% of all particles above 0.3 microns and 95% down to 0.01 microns. Particulates produced during laser coding are typically above 0.5 microns.


# Simple to use and install

## Quick changes

Filters are easily accessible and can be changed in seconds.



## Simple monitoring

Visual and audible indicators make monitoring simple and alert production staff if there is a reduction in filtration.

# Improving production efficiency

## Continued clarity

The DPX helps ensure continued code clarity, as it prevents a build-up of laser generated particles and fume residues around lenses and production equipment. It avoids the likelihood of rejected work or reworked product due to poor code quality.

## Consistent performance

The DPX's unique flow control optimises blower performance as a filter becomes full, so that the extraction rate remains constant.

## Reduced maintenance

It saves time on unscheduled maintenance. Efficient extraction combined with a large capacity filter gives long filter life and reduces changes. Reverse airflow technology helps maximise filter life and also protects the motor and electrical system.

## Robust

The DPX range will go on working with minimal interruption even in wet or dusty environment. For those extra tough conditions, DPX2000 cabinets and filters are manufactured from acid resistant materials. It makes it particularly suitable for corrosive PVC and high odour applications.

## Flexibility

There is no need to make holes in walls to install rigid pipe work. The DPX can be easily positioned and moved around production lines.

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# A quick tour around a DPX

Plug and play installation makes the self-contained DPX a joy to use.

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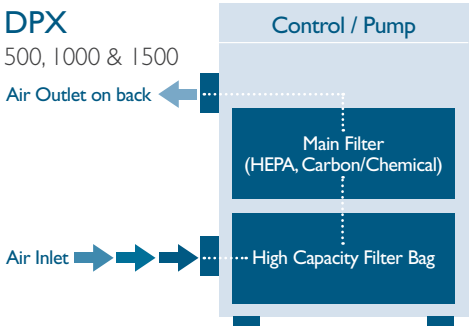
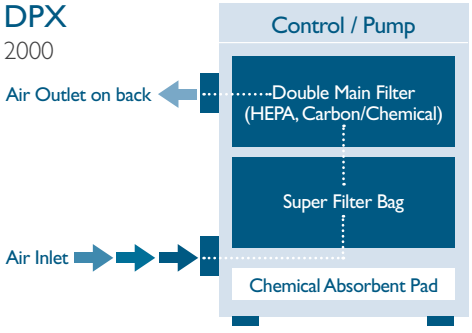
## Technical Specification:

| | DPX500 | DPX1000 | DPX1500 | DPX2000 |
|---|---|---|---|---|
| Indicators | Visual and audible when filter unit is full, ruptured or if extractor is operated without a filter unit fitted | | | |
| Air Monitoring | Continuous monitoring of exhaust for gases and particulate contaminants | | | |
| Air Flow | Control Automatic self-adjustment of blower to maintain optimum extraction rate as filters become blocked | | | |
| Laser Interface | Signals the laser to report an alarm condition if one occurs in the fume extraction system. Automatically starts/stops fume extraction when the laser is activated/deactivated | | | |
| Production Rates | Below 200 codes per minute | 200 to 500 codes per minute | Above 500 codes per minute | All PVC coding applications |
| Substrates | All substrates including paper, carton board, glass and plastics (except PVC) | | | PVC |
| Flowrate (max) | 166m3/hr (98cfm) | 320m3/hr (188cfm) | 600m3/hr (353cfm) | 320m3/hr (188cfm) |
| Vacuum (max) | 1633mm WG (64.5 IWG) | 1143mm WG (45 IWG) | 1067mm WG (42 IWG) | 1143mm WG (45 IWG) |
| Voltage / Watts 120VAC<br>Frequency 230VAC | 0.45 kVA, 50/60 Hz<br>0.45 kVA, 50/60 Hz | 1.10 kVA, 50/60 Hz<br>1.20 kVA, 50/60 Hz | 2.20 kVA, 50/60 Hz<br>2.40 kVA, 50/60 Hz | 1.10 kVA, 50/60 Hz<br>1.20 kVA, 50/60 Hz |
| Main Power 3 wire/1ph | 5m (16.4ft) | 5m (16.4ft) | 5m (16.4ft) | 4.6m (15ft) |
| Sound Rating | 61 dBA | 52 dBA | 65 dBA | 52 dBA |
| Operating temperature | 5–45°C | 5–45°C | 5–45°C | 5–45°C |
| Operating humidity | 10–90% non-condensing | 10–90% non-condensing | 10–90% non-condensing | 10–90% non-condensing |
| Cabinet Size<br>Height<br>Width<br>Depth | <br>885mm (34.8")<br>430mm (17")<br>487mm (19.2") | <br>1065mm (41.9")<br>430mm (17")<br>515mm (20.3") | <br>1145mm (45.1")<br>520mm (20.5")<br>666mm (26.2") | <br>1181mm (46.5")<br>430mm (17")<br>515mm (20.3") |
| Cabinet Weight | 50Kg (110 lbs) | 55 Kg (122lbs) | 80Kg (176lbs) | 77 Kg (170 lbs) |
| Cabinet Material | Stainless steel (430) | Stainless steel (430) | Stainless steel (430) | Stainless steel (316) |
| Hose ID x L | 50mm x 6m (2" x 20 ft) | 50mm x 6m (2" x 20 ft) | 63mm x 6 m (2.5" x 20 ft) | 50mm x 6 m (2" x20 ft) |
| Optional Accessories | – | Second head kit<br>Hose extension | Second head kit<br>Hose extension | Second head kit<br>Hose extension |
| Air Flow Schematics | | | | |

Not to scale.
For illustrative purposes only.



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