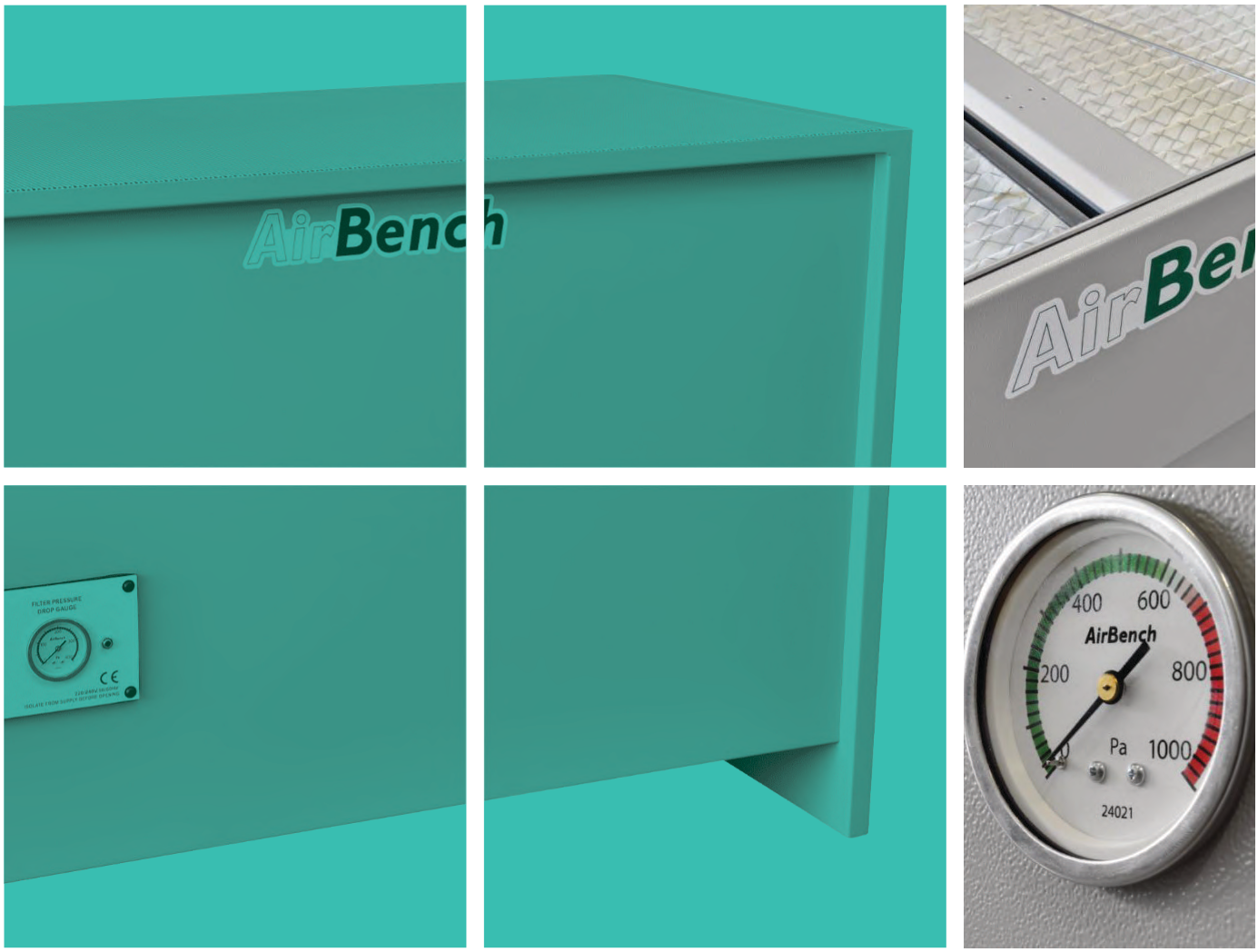
AirBench



DOWNDRAUGHT BENCHES

Why are Dust Extraction Systems Important?

Dust extraction systems are an essential part of your COSHH compliance. Finding an effective, demonstrable dust extraction system can be difficult but remains important because it can:

1

// PROTECT YOUR PEOPLE

Dust can cause health problems when inhaled. Dust inhalation could lead to a range of illnesses from occupational asthma through to various cancers, respiratory issues and heart-related diseases.

Dust can also be combustible. As a potential fire hazard, it could cause injury to your personnel.

2

// PROTECT YOUR PRODUCTS

Many finishing processes are affected by atmospheric dust. Maintaining a clean atmosphere is essential to good spraying, coating, etc.

Packaging in a dusty atmosphere means process dust is being shipped to your customers.

3

// HELP YOU SAVE MONEY

A healthy workforce is always a more productive workforce; less sick days mean a more effective business.

More importantly, the cost of failing to make a proper assessment under COSHH, and take steps to address issues, can be the most expensive mistake your business ever makes.

Made in the UK

Environmently Friendly

How the Air Bench System works

Our AirBenches are high air volume, low velocity extraction systems, providing a demonstrable working solution to a wide range of dust and fume problems.

All our products are built to order in our factory located in the East of England; all products are assembled from stock components allowing us to maintain short lead times. We provide solutions to specific problems using standard modular components and filtersets allowing rapid delivery.

// THE PROCESS

Captures Dust and Fumes

Quietly.
With no heat loss.

// SIMPLE AND EFFECTIVE

AirBench requires minimal operator intervention. The user does their job and AirBench solves their dust problem.

// QUIET

Noise levels of under 70 dBA across the range mean that AirBench does not introduce a requirement for hearing protection.

// QUICK INSTALLATION

Most units just require unwrapping and setting into position.

Book a Demonstration

We will bring an AirBench to you for trials on your own processes.

T: 01206 791191
E: sales@airbench.com

// AIRBENCH FN

HEAVY DUTY DOWNDRAUGHT BENCH

The heavy duty AirBench FN range comprises 5 downdraught benches in which filters are accessed via a hinged front panel for operator convenience; suitable for most applications but designed to cope with heavy industrial use. FN models can be supplied with a wide range of alternative filter configurations to suit different fume and dust extraction applications.

- Integrated workbench with dust and fume extraction system
- Easy filter access
- Wide range of filtration options
- Fully ventilated top
- 2mm steel, fully welded
- Powder coated

Available in five different sizes.

DOWN DRAUGHT | DUST EXTRACTION | FUME EXTRACTION

// AIRBENCH FPK

HEAVY DUTY DOWNDRAUGHT BENCH WITH KNEESPACE

The heavy duty AirBench FPK range comprises 5 downdraught benches with kneespace, designed for comfortable full time seated working. Designed for higher surface loadings but also ideal for applications requiring customisation or additional fittings, for example customer-specific mounting attachments. FPK models can be supplied with a wide range of alternative filter configurations to suit different fume and dust extraction applications.

- Integrated workbench with dust and fume extraction system
- Easy filter access
- Wide range of filtration options
- Ventilated top
- 2mm steel, fully welded
- Powder coated

Available in five different sizes.

DOWN DRAUGHT | DUST EXTRACTION | FUME EXTRACTION

// AIRBENCH FP

HEAVY DUTY DOWNDRAUGHT BENCH

The heavy duty AirBench FP range comprises 5 downdraught benches designed for higher surface loadings but also ideal for applications requiring customisation or additional fittings, for example customer-specific mounting attachments. FP models can be supplied with a wide range of alternative filter configurations to suit different fume and dust extraction applications.

- Integrated workbench with dust and fume extraction system
- Easy filter access
- Wide range of filtration options
- Fully ventilated top
- 2mm steel, fully welded
- Powder coated

Available in five different sizes.

DOWN DRAUGHT | DUST EXTRACTION | FUME EXTRACTION

// AIRBENCH RP

HEAVY DUTY DOWNDRAUGHT BENCH
WITH PULSE CLEANING

AirBench RP introduces a step-change in downdraught bench technology. RP uses an integral air tank to clean its filters on demand using a blast of compressed air. These models are suitable for high dust generation applications for non-explosive dusts, and are particularly well suited to stone masons.

- Integrated workbench with dust and fume extraction system
- Pulse-cleaned filter system
- Various filtration options
- Large ventilated area
- 2mm steel, fully welded
- Powder coated

Available in three different sizes.

DOWN DRAUGHT
DUST EXTRACTION

// AIRBENCH FPW

HEAVY DUTY DOWNDRAUGHT BENCH
FOR WELDING AND GRINDING

The heavy duty AirBench FPW and FPT ranges comprise 2 downdraught benches designed specifically for welding and grinding applications. FPW and FPT use a unique spark-trap layout and 3 stage filter system to protect the final filter from spark and allow the capture of hot materials. The FPT type also benefits from integral kneespace for seated working.

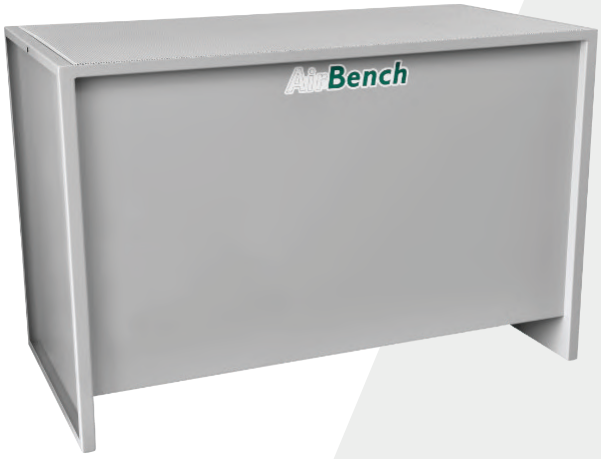
- Integrated workbench with dust and fume extraction system
- Optional Kneespace
- Filtration options for welding or grinding
- Large ventilated area
- 2mm steel, fully welded
- Powder coated

Available in two standard sizes.

DOWN DRAUGHT
DUST EXTRACTION
FUME EXTRACTION

// AIRBENCH FX

HEAVY DUTY ATEX RATED
DOWNDRAUGHT BENCH



The heavy duty AirBench FX range comprises 3 downdraught benches designed for use in areas with an occasional risk of an explosive atmosphere. FX models can be supplied with 2 filter configurations to suit different dust extraction applications.

- Integrated workbench with dust and fume extraction system
- Fully ATEX rated for zone 22”
- Two stage filtration
- Fully ventilated top
- 2mm steel, fully welded
- Powder coated

Available in 3 standard sizes.

DOWN DRAUGHT
DUST EXTRACTION

// AIRBENCH BD

BLOWDOWN STATION

AirBench BD is a self-contained blowdown station designed for the removal of coolant, swarf, and other contaminants from components.

Pressing the foot pedal operates the suction system and also allows the compressed air gun to work. Droplets can be manually blown from parts and into the integral bin; fugitive mist and droplets are prevented from escaping by the polycarbonate screen.

- Blowdown station for coolant and swarf
- Used for cleaning of parts after machining
- Compressed air powered
- Air gun attachment
- All steel body, fully welded
- Powder coated
- Perspex screen for operator protection
- Removable swarf bin with 2-stage filter

Available in 2 sizes

MIST EXTRACTION

Available in a colour scheme to match your machine tool!

// AVAILABLE SIZES

MODEL	WIDTH	DEPTH	HEIGHT	VENTILATED AREA
BD500	500	450	1480	500×450
BD1000	1000	450	1480	500×450

// FOOT PEDAL OPERATION

Foot pedal operates venturi and allows airgun to function on demand.

// AIRGUN ATTACHMENT

Airgun for operator use to dislodge swarf and coolant.

// REMOVABLE SWARF BIN

Swarf bin is easily removed and emptied; the bin contains a 2-stage filter system to capture most particulates before returning air to the workspace.

// ACCESSORIES

MDF SURFACES

LIFTING MECHANISM

ENERGY EFFICIENT FANS

AIRLINE INTERLOCK

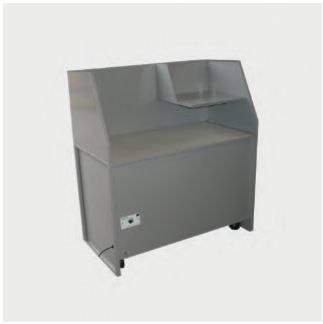
RUBBER MATTING

CASTORS

BACKDRAUGHT FITTING

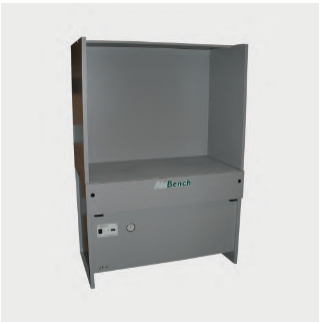
HOURS RUN METER

TOOL RACKING



CUSTOM ENCLOSURE

300MM ENCLOSURE
IN 2MM STEEL



1M ENCLOSURE
IN 2MM STEEL

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