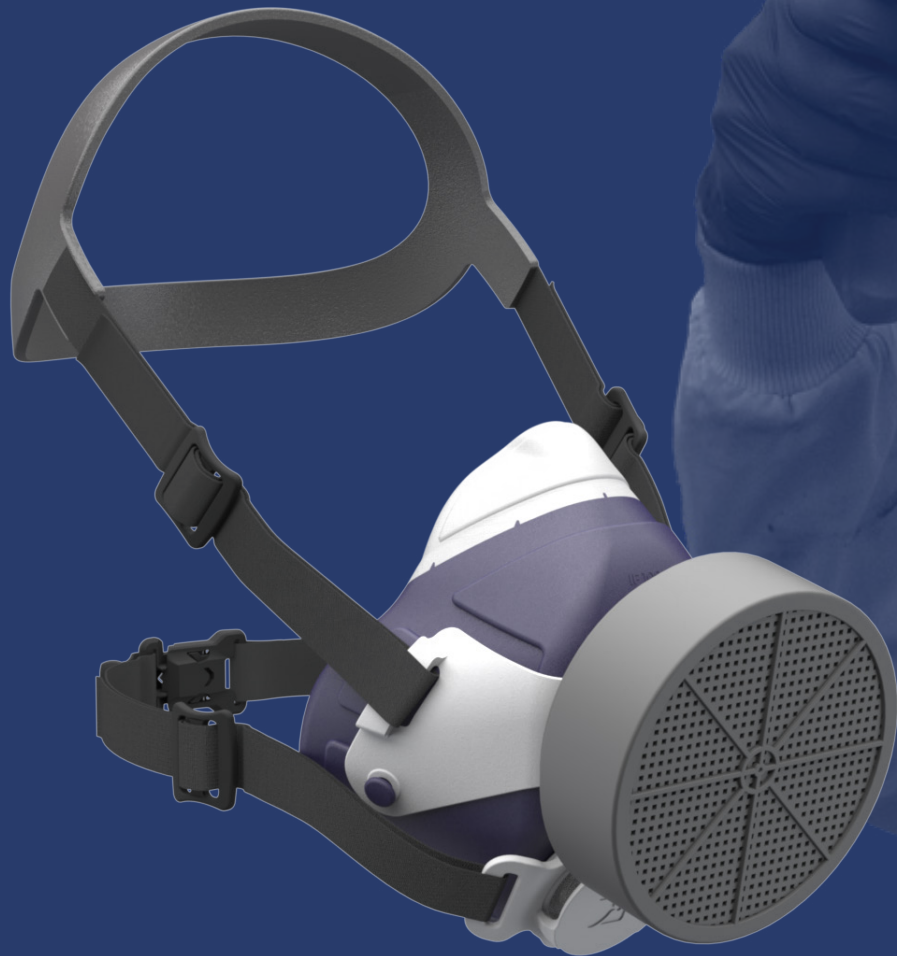


**Comfortably the  
best** half-face mask on  
the market



 **MaskLOGIC**  
Personal safety **makes sense**

Made-to-measure, reusable half-mask respirators: **individual** comfort and protection

### Custom nose piece

The hardest part of your face gets the most comfort and the best fit with a soft nose bridge tailored to you. Your safety goggles won't fog because you have a proper seal. Each nose piece has a unique serial number including your initials for easy identification and record keeping.



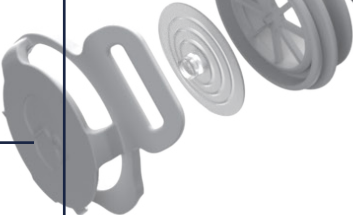
### Filters

Mask Logic supplies a range of dust, gas and combined filters suitable for use with the IdealFIT 100 half-mask respirator.



### Exhalation valve

For a comfortable wearing experience even when working hard.



### Standard filter connection

Rd40 screw thread filter connection compatible with any EN148-1 threaded filter.

### Personally sized soft body

The best soft body shape predicted by scanning delivers a great fitting mask no matter the shape and size of the face.



### Webbing straps

Provides extra comfort over different hair styles.



For more details  
contact Mask Logic

E - [info@masklogic.co.uk](mailto:info@masklogic.co.uk)

T - +44 131 212 5700



## Innovative technology

Mask Logic's IdealFIT 100 custom-made, half-mask respirator provides superior comfort and fit, leading to a safer, healthier, and happier working experience.

No more compromise with half masks that are uncomfortable to wear and don't fit properly.

## Face scan

If you are a Health and Safety or Occupational Health professional you can provide made-to-measure, half-masks for your employees by making a simple, 30-second face scan using our app.



# Comfortably the best

The **IdealFIT100** made-to-measure, half-mask respirator is the **most comfortable half-mask respirator** you will wear.

## Better Fit for Difficult-to-fit Faces

**First**, since the IdealFIT 100 is made-to-measure for your face it provides the fastest way to pass a face fit test with flying colours particularly if your face isn't a good fit for standard sizes: small, medium or large.

## Better Care and Ownership

**Third**, every mask has a unique code, including your initials, making it easy to identify at work and for maintenance record keeping. The IdealFIT 100 comes with a robust storage box with your name on it so you can look after it and stop it getting deformed or contaminated.

## Great Comfort During Use

**Second**, because the IdealFIT 100 is made-to-measure for your face using soft materials, including neoprene head straps, it is comfortable to wear, minimises chafing and pressure points, and seals properly at the nose bridge avoiding safety goggle fog.

## Enhanced Feeling of Being Valued

**Fourth**, if you get a made-to-measure, personalised piece of PPE you are going to feel that your employer cares about your well-being. Your Health and Safety team are doing their best for you so show them some love!

Made-to-measure  
=  
higher pass rates

Comfort  
=  
compliance

Personal code  
=  
ownership

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## Individual comfort for everyone

The new British Standard, a guide for selecting inclusive PPE, BS 30417, published in September 2025, makes this an ideal time to consider personalised respiratory protection.

The British Standards Institution (BSI) has developed this guide to ensure that employers select PPE that provides proper fit, comfort and protection without regard to gender, body shape, ethnicity or religious factors.

Made-to-measure half-mask respirators tailored to accommodate the needs of various workers ensure universal fit. This approach guarantees a proper fit for everyone that fulfils the essential requirements of selecting inclusive PPE.



# Technical Specification

## IdealFIT 100 EN 140:1999 Test Results

EN 140:1999 Test	EN 140:1999 Requirement			Mask Logic IdealFIT 100 Result		
Temperature Conditioning	24 hrs in a dry atmosphere at 70°C followed by 24hrs at -30°C.			PASS		
Flammability	Burning must cease within 5 seconds of flame removal.			PASS		
Head Harness Pull Test	Withstand a pull of 50N for 10 seconds.			PASS		
Connectors Pull Test	Withstand a pull of 50N for 10 seconds.			PASS		
Breathing Resistance: Inhalation	<0.50mbar @30l/min	<1.3mbar @95l/min	<2.00mbar @160l/min	0.33mbar @30l/min	0.91mbar @95l/min	1.57mbar @160l/min
Breathing Resistance: Exhalation	<3.00mbar @160l/min			1.43mbar @160l/min		
CO <sub>2</sub> Content of Inhaled Air	<1.00%			0.93%		
Inward Leakage*	<2.000%			0.743%		

\* Based on the average of 10 test participants.

Detailed instructional videos for mask use, care, and assembly can be found on our website by using the QR code provided below.



Mask Logic provide a comprehensive selection of dust, gas and combined filters, using the Series DIRIN 230 range from dpiSekur, a leading European manufacturer of respiratory protection. These filters have screw threads conforming to EN148-1. For more information about filters please contact Mask Logic at info@masklogic.co.uk.

Other respiratory equipment manufacturers also provide filter ranges with screw threads conforming to EN148-1 that are compatible with the standard filter connection on the IdealFit 100.



**Lightweight design**  
The average IdealFIT 100 half mask weighs just **142g** (excluding filter).

### Description

IdealFIT 100 (IF100) is a made-to-measure, reusable half mask respirator, approved and designed to help provide respiratory protection against certain airborne contaminants when used in accordance with all Instructions For Use and limitations and applicable safety and health regulations.

IF100 masks are custom-made for each individual by combining a custom 3D printed nose bridge with one of a range of soft body shapes selected through face scan measurements.

