TORONTECH

# FACE MASK AND PROTECTIVE CLOTHING TESTING EQUIPMENT

# Face Mask and Protective Clothing Testing Equipment

Torontech is a trusted leader in manufacturing a comprehensive range of Face Mask Testing Equipment and Protective Clothing Testing Equipment, designed to meet the highest global standards. With the ongoing demand for reliable personal protective equipment (PPE), our innovative testing solutions ensure the performance, quality, and safety of face masks and protective clothing in critical applications.

## Our Product Range

1. **Face Mask Bacterial Filtration Efficiency Tester (BFE)**
    1. Evaluates the filtration efficiency of face masks by measuring the percentage of bacteria filtered out.
    2. Essential for ensuring compliance with medical-grade requirements.
2. **Respirator Breathing Resistance Tester**
    1. Measures the breathing resistance of respirators to ensure wearer comfort without compromising safety.
3. **Particulate Filtration Efficiency Tester (PFE)**
    1. Tests the efficiency of face masks in filtering fine particles, including aerosols, for high protection standards.
4. **Protective Clothing Blood Penetration Resistance Tester**
    1. Determines the resistance of protective clothing to synthetic blood penetration, ensuring optimal protection against biohazards.
5. **Additional Testing Instruments**
    1. Differential Pressure Tester for evaluating breathability.
    2. Synthetic Blood Penetration Tester for face masks.
    3. Flammability Testers for protective garments.
    4. Tensile Strength Testers for material durability.

## Compliance with International Standards

Our testing equipment is designed to comply with widely recognized North American and European standards, ensuring reliability and accuracy for manufacturers, testing laboratories, and regulatory bodies.

**North American Standards**

1. **ASTM F2100**: Standard specification for the performance of materials used in face masks.
2. **ASTM F1862**: Test method for resistance of medical masks to penetration by synthetic blood.
3. **NIOSH 42 CFR Part 84**: Certification standards for respiratory protective devices.

**European Standards**

1. **EN 14683**: Standards for medical face masks, including bacterial filtration efficiency (BFE) and breathability.
2. **EN 149**: Standards for filtering half masks used as respiratory protective equipment.
3. **ISO 22609**: Standard test method for synthetic blood penetration resistance for protective clothing and face masks.

## Why Choose Torontech's Testing Equipment?

1. **Precision and Reliability**: Advanced technology ensures consistent, accurate results.
2. **Comprehensive Solutions**: From filtration efficiency to resistance testing, we cover all critical PPE testing needs.
3. **Compliance Assurance**: Our equipment aligns with ASTM, ISO, EN, and other global standards.
4. **User-Friendly Designs**: Intuitive operation with robust build quality for long-term use.
5. **Global Expertise**: Decades of experience in providing testing solutions across North America, Europe, and beyond.

## Applications

Torontech's **Face Mask Testing Equipment** and **Protective Clothing Testing Equipment** are ideal for:

1. Manufacturers of PPE, including face masks and garments.
2. Quality control laboratories.
3. Regulatory bodies and certification agencies.

# Ensure PPE Quality with Torontech

In a world where safety and compliance are non-negotiable, Torontech delivers the cutting-edge solutions you need. Our Face Mask Testing Equipment and Protective Clothing Testing Equipment are engineered to ensure your products meet and exceed international standards, safeguarding public health and meeting regulatory requirements.

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