

## Bomb Disposal Suit



**Fig 1: Bomb suit**



**Fig 2: Cooling suit**



**Fig 3: Communication system**

## **Introduction**

This type of bomb suit is designed as a special clothing equipment especially for Public Security, Armed Police departments, for the personnel dressing to remove or dispose of small explosives. It provides the highest level of protection to the personal currently, whilst it offers the maximum comfort and flexibility to the operator.

The Cooling suit is used to provide a safe and cool environment for explosive disposal personnel, so that they can carry out explosive disposal work efficiently and intensively.

## Technical Data of Bomb Suit

Bulletproof Mask	Thickness	22.4mm
	Weight	1032g
	Material	Organic transparent composite
Bulletproof Helmet	Size	361×273×262mm
	Protective Area	0.25m <sup>2</sup>
	Weight	4104g
	Material	Kevlar composites laminated
The front of smock (Main body of smock)	Size	580×520mm
	Weight	1486g
	Material	34-layer woven fabric (Aramid fiber)
Blast plate +The front of smock	Throat Plate Dimension	270×160×19.7mm
	Throat Plate Weight	1313g
	Abdominal Plate Dimension	330×260×19.4mm
	Abdominal Plate Weight	2058g
Arm (Right Arm, Left Arm)	Size	500×520mm
	Weight	1486g
	Material	25-layer woven fabric (Aramid fiber)
The back of thigh and calf (Left and Right Thigh, Left and Right Shin)	Size	530×270mm
	Weight	529g
	Material	21-layer woven fabric (Aramid fiber)
The front of shin (Left and Right Outer)	Size	460×270mm
	Weight	632g
	Material	30-layer woven fabric (Aramid fiber)
Bomb Suit Total Weight	<b>32.7kg (without helmet+mask+cooling suit)</b>	
Power supply	12V battery	
Communication system	wired communication system, compatible with most communication systems	
Cooling fan	200 liters/min, adjustable speed	
Cooling suit	Clothes weight	1.12 kg
	Water cooled package device	2.0 kg

## Ballistic parameter (V50 testing)

Bulletproof Mask	744m/s
Bulletproof Helmet	780m/s
The front of smock (Main body of smock)	654m/s
Blast plate +The front of smock	> 2022m/s
Arm (Right Arm, Left Arm)	531m/s
The back of thigh and calf (Left and Right Thigh, Left and Right Shin)	492m/s



**Bomb Suit Details**





## Cooling Suit

1. Cooling suit
2. Control system
3. Ice box 2
4. Charger
5. Hand bag

