Supergum Industries Ltd.

Company Profile

Supergum Industries Ltd. is Israel’s leading manufacturer of CBRN (chemical, biological, radiological and nuclear) protective solutions and systems for military, civilian, and Homeland Security use.

Operating worldwide, Supergum has sales offices in North America and Europe, and logistical facilities in the USA and Germany to support the stringent delivery demands of our customers.

International customers include leading organizations in North America and Europe.

For over 30 years, Supergum has delivered high-quality CBRN protective equipment, produced according to the military specifications of the Israeli Ministry of Defense.

The company is ISO 9001:2008 certified and assigned as a Rate A manufacturer by the IMOD, with complete inspection and testing facilities.

Supergum’s product portfolio includes the full range of body protection: high-performance rubber boots, multipurpose overshoes, rubber gloves, disposable suits, special-use suits, overpressured hoods, blowers, and other items such as special transport bags, covers, and pet-protection systems.

The company offers customized solutions to match market demands in the field of Homeland Security.

Caps 2000 | Military Version
Cat. No. 017000000-3

This respiratory protection system is designed specifically for NBC forces, and offers full coverage against the most severe airborne threats. The system provides the very highest levels of protection and performance.

- It includes a long, flexible hose with a blower that supplies about 90 liters of air per minute for 15 hours.
- Also included is a fabric side bag and a back carrying case for the blower.
- The mask is one-size-fits-all and is compatible with eyeglasses, beards, etc.
- An internal drinking device is also featured.

The Caps 2000 system is manufactured and tested according to Israel Defense Forces specifications.
The Panoramic Hood for Evacuation Forces is a combined protective hood and blower system, providing a highly reliable level of protection, physical comfort, and freedom of movement, thus allowing extended wear under severe conditions.

- A blower attached to the hood provides air through two filters at a rate of about 90 liters per minute. This blower is powered by lithium batteries, providing at least 15 hours of uninterrupted operation.
- A nose cup is integrated into the hood and provides a platform for the valves, speech membrane, communication and drinking devices.
- The hood consists of a head covering, a blower, two filters and batteries.
- The hood is made of a three-layer laminate, which provides complete protection against contaminants.
- A panoramic polycarbonate visor is integrated into the front of the hood, offering a wide field of vision and easy identification of the wearer, and allowing the user to wear eyeglasses under it.
- The system’s air blower provides 90 liters of filtered air per minute. The lithium battery offers 15 hours of continuous operation.
- It includes a fabric carrying case, which has an adjustable harness for back or side carrying.
- The flexible hood offers a wide field of view.
- The mask is one-size-fits-all and is compatible with eyeglasses, beards, etc.
- The system features a drinking device and a communication adapter.
- The Panoramic Hood for Evacuation Forces is manufactured and tested according to Israel Defense Forces specifications.

This hood system is made of a transparent NBC protective laminate, and can also be produced in certain quantities in a military green.
The Protective Suit provides maximum protection against contagion, burns and contamination caused by exposure of the skin to biological warfare agents.

- The suit has two elements:
  - Trousers.
  - Shirt, which contains an integral contoured hood that provides a complete seal superior to that of all NBC mask types.
- Highly flexible and lightweight, the suit provides full freedom of motion to the user. It is manufactured from high-tensile-strength multi-layer co-extruded plastic films.
- The edges of the suit are heat-sealed by a proprietary high-frequency welding process to form a continuous impermeable sealed seam. The elastic at the cuffs of the trousers and the sleeves simplify putting on the suit and ensure a snug fit for complete protection.
- When the suit has been in prolonged vigorous use, it should be cooled in accordance with Supergum's cooling garment (for details, see page 8).
- The suit is designed to be worn with other protective products (mask, boots and gloves), and is meant for extended exposure to NBC agents.
- The Protective Suit is manufactured and tested according to Israel Defense Forces specifications.

This Protective Suit is made from NBC-resistant material in military green. In certain quantities, it is available in other colors.
The Cooling Garment is a cotton overall that is intended as an add-on for all protective suits. When soaked in water, it cools the body for comfort in warm environments.

- The garment is available in two sizes, and can be made in military green or civilian gray depending on quantities.
- The Cooling Garment is manufactured and tested according to Israel Defense Forces specifications.

The Protective Overshoes are for protection of the feet and as a supplement for maximum protection of the body; for use on top of any shoe.

- Made of a special strong, flexible material, the overshoes protect against chemical and biological warfare agents for at least six hours.
- With a strong, thick sole the overshoes can be worn for prolonged walking without wearing down.
- In the event of contamination, the overshoe has a grip on the heel for removing the overshoe without touching it with one's hands.

Protective Overshoes Type I and Type II are available in several sizes.
Adult Protective Hood
Cat. No. 017000000

The Adult Protective Hood is a new concept in civilian respiratory protection against NBC hazards. It is designed to provide a high degree of reliable protection and physical comfort, regardless of facial structure or dexterity in putting on the hood. The hood is designed for individuals aged 13 years and above.

Protective Boots
Cat. No. 308100210

The Protective Boots are to be worn instead of shoes, for protection of the feet and as a supplement for maximum body protection.
- The boots are principally intended for strenuous work and prolonged walking; they are made in several sizes.
- The boot’s design makes it possible to walk stably on any type of surface.
- Made of strong butyl rubber, the boots provide total impermeability to chemical and biological warfare agents for at least six hours.

Protective Gloves
Cat. No. 308100246

The set of gloves contains the following:
- Rubber Gloves
  - Made of butyl rubber, which is strong, resistant, flexible, and especially thin, the rubber gloves give the user both dexterity and protection.
  - The rubber gloves are impermeable to chemical and biological warfare agents for at least six hours.
  - The rubber gloves are manufactured in accordance with U.S. military specification MIL-G-43976.
- Cotton-fabric Gloves
  - The fabric gloves absorb perspiration and are designed to be worn beneath the rubber gloves.
  - The cotton-fabric gloves are soft and comfortable.

Protective Boots
Cat. No. 308100210

The Protective Boots are to be worn instead of shoes, for protection of the feet and as a supplement for maximum body protection.
- The boots are principally intended for strenuous work and prolonged walking; they are made in several sizes.
- The boot’s design makes it possible to walk stably on any type of surface.
- Made of strong butyl rubber, the boots provide total impermeability to chemical and biological warfare agents for at least six hours.

Protective Gloves
Cat. No. 308100246

The hood becomes a positive pressure system through the attachment of a blower (IMP 2005), supplying air up to 45 L/minute. This significantly improves protection and physiological comfort.
- The hood can be worn over eyeglasses and beards, and still provide an effective protection level.
- The system consists of a head covering, blower (IMP 2005) and filter.
**Adult Dual-Blower Hood**  
*Cat. No. 012000000*

The Adult Dual-Blower Hood consists of a head covering with a panoramic front visor. Combining an exceptionally high air-supply rate with simplicity of use, this blower hood is suitable for people performing high-stress work, and for adults who experience difficulty using the standard rubber masks.

- The hood operates with two blowers, which together supply about 90 liters of air per minute for at least 10 hours.
- The air passes through the filters and fills the interior of the hood, creating pressure that prevents the entry of contaminated air.
- The hood is comfortable and simple to put on, and affords a wide field of vision.
- A drinking tube enables the user to drink from a bottle while wearing the hood.
- A top cradle provides for optimum fit and orientation on the user’s head, even for users who wear eyeglasses, beards, etc.
- The system consists of a head covering, two blowers, two filters and batteries.

**Panoramic Rubber Mask**  
*Cat. No. 15000015*

The Panoramic Rubber Mask provides a complete field of vision for increased comfort. Further, the sealing structure around the mouth and nose ensures a maximum seal.

- It is extremely fast and simple to put on the mask and to adjust it, by means of six adjustable straps.
- The design of the air-flow passages in the mask prevents the accumulation of water vapor on the visor and affords the user a clear field of view.
- The mask visor is made of clear polycarbonate and coated with a scratch-resistant finish.
- The mask complies with the CE standard and the European EN 136 standard, which is parallel to Israel Standard SI 4013/5 for NBC masks.
- The mask is supplied with a filter.
- There is an optional self-contained drinking tube that enables the user to drink from a bottle.
Infant and Child Shield Hood
Cat. No. 011500000

This system is intended for babies and children up to 8 years of age. It provides protection for the head and respiratory systems while being easy to wear and operate.

- The system’s head covering provides a wide field of view and is made from flexible NBC-protective materials.
- It includes an air blower that delivers 45 liters of filtered air per minute for 25 to 70 hours, depending on the batteries used.
- Additional attachments are also included, along with a carrying case.

The Infant and Child Shield Hood is manufactured and tested according to Israel Defense Forces specifications.

Child Shield Hood
Cat. No. 011000000

The infant and child over-pressure respiratory protective systems provide complete coverage for the respiratory system and head, while affording a wide field of view and full freedom of motion.

The solutions, while identical in functionality, have been sized to fit the needs of infants and children respectively. System No.1 has been designed to protect infants aged 0-3 years old, while System No. 2 is intended for use by children aged 3-8 years old.

- Both systems completely protect the respiratory tract and head.
- The systems are designed to cover the head and upper body to create a clean, enclosed space.
- In both systems, a blower is attached to the hood, supplying purified air for ease of breathing.
- The air-flow system operates with maximum efficiency in a contaminated environment for a minimum of 10 hours.
- Made of special protective material, the system provides unmatched protection.
- An embedded tube allows users to drink comfortably.

Infant Shield Hood
Cat. No. 013000000

No. 1 | Infant Shield Hood (0-3)

No. 2 | Child Shield Hood (3-8)
Supplemental Kit
Cat. No. 15000011

This Supplemental Kit provides the highest degree of physical protection. The kit protects against burns, poisoning and contamination caused by exposure to chemical and biological warfare agents. The kit is designed for individuals aged 13 years and above.

- The kit contains all clothing items and footwear necessary for maximum body protection from head to toe. The kit elements are modular and can also be purchased separately.
- The Supplemental Kit elements are:
  - Protective Overshoes: For protection and full coverage of the feet, they are designed to be worn over shoes.
  - Protective Gloves: A set of rubber and fabric gloves designed for protection and complete coverage of the hands. They are completely impenetrable to gaseous, liquid and solid toxic substances.
  - Protective Suit: The protective suit envelops the body thoroughly and ensures complete protection against chemical and biological agents. The suit consists of trousers and a shirt.
  - It should be noted that this kit provides protection of the skin and supplements the NBC mask, which is not included in this kit.

Pet Protective Kit
Cat. No. 15000023

Supergum's exclusive Pet Protective Kit protects household animals (dogs, cats and birds) against NBC hazards by enveloping a standard closed transport cage, creating a protected space around the pet. The kit has been examined and approved by veterinarians and is used worldwide as the only available protective solution for pets.

- The air-flow unit creates overpressure by forcing filtered air into the envelope, preventing penetration by contaminants.
- The kit is constructed of materials and components that are tested in accordance with military standards for NBC protective systems.
- A standard transport cage prevents the pet from damaging the protective envelope, and avoids the need for paying special attention to the pet.
- Convenient and easy to use; no special training is necessary to use the kit.
- Pet Protective Kits are available in three sizes: small, medium and large, corresponding to the pet’s weight.
- The kit consists of a protective envelope, blower, filter, batteries and rubber hose.
- It should be noted that a cage is not included in the kit.
Blowers

Blower for Evacuation Forces
Cat. No. 015000300

This advanced, enhanced blower is designed for evacuation forces or other people engaged in strenuous activity.

- The purpose of the blower is to create overpressure in the interior of the mask, to prevent the entry of chemical and biological warfare agents.
- The blower supplies about 90 liters of air per minute, via two personal filters. It is powered by 5.8 V lithium batteries for at least 15 hours of continual operation.
- Made of polycarbonate, the blower is fitted with loops for suspension from a belt or a back harness; this arrangement provides maximum convenience even under field conditions.

Blower IMP 2005
Cat. No. 019000000

The blower incorporates a versatile air-flow system, which is designed for integration with all protective respirators. It transforms any NBC mask to an overpressure mask. The blower makes it easy to breathe and enhances the comfort of using the standard rubber mask.

- The purpose of the blower is to create overpressure in the interior of the mask, to prevent the entry of chemical and biological warfare agents.
- Special advanced construction allows the blower to offer maximum efficacy. It supplies about 45 liters of air per minute and is powered by four lithium batteries (size 2/3A) that offer at least 20 hours of operation.
- Simple to operate, the blower ensures correct use under all conditions.
- The blower is equipped with a monitor lamp, so the user can verify proper operation at any time. The blower can be clipped to the user’s clothing without limiting freedom of motion. This blower is designed to be attached by a rubber hose to a wide range of protective respirators.
- The blower can also be powered by enhanced batteries that offer at least 72 hours of operation.
Hospital Protective System for Infants
Cat. No. 014000000

- The system is intended to provide NBC protection for babies in a hospital environment.
- The system features a filtered air blower and can be manufactured in several sizes depending on quantities and customer requests.

Protective Systems for Transporting the Injured/Deceased
Cat. No. 012000500  Cat. No. 012000500-1

- The systems allow for the evacuation of injured or deceased personnel to field hospitals.
- Both systems are made from heavy-duty NBC-resistant materials.
- The injured-personnel evacuation system includes blowers to create overpressure within the hood, preventing the entrance of toxic agents.

Blowers

Blower IMP 1005
Cat. No. 011000300

This blower is suitable for attachment to any filter and any mask approved by the IDF Home Command and/or the Israel Standards Institution. It can be suspended from a belt or carried close to the user.

- This blower is powered by four lithium batteries (size 2/3A) that offer at least 10 hours of operation.

- The purpose of the blower is to create overpressure inside the mask, to prevent the entry of chemical and biological warfare agents.
- This blower is equipped with a highly reliable motor, with a capacity of about 45 liters of air per minute.
- Simple to operate, the blower ensures correct use under difficult conditions or when operated by children.

Blower IMP 1006
Cat. No. 013000300

- The systems allow for the evacuation of injured or deceased personnel to field hospitals.
- Both systems are made from heavy-duty NBC-resistant materials.
- The injured-personnel evacuation system includes blowers to create overpressure within the hood, preventing the entrance of toxic agents.

This blower is compatible with various hoods, such as the Infant Shield and Child Shield Hoods.

Specialized Protective Systems

Blower IMP 1005
Cat. No. 011000300

This blower is suitable for attachment to any filter and any mask approved by the IDF Home Command and/or the Israel Standards Institution. It can be suspended from a belt or carried close to the user.

This blower is powered by four lithium batteries (size 2/3A) that offer at least 10 hours of operation.

- The purpose of the blower is to create overpressure inside the mask, to prevent the entry of chemical and biological warfare agents.
- This blower is equipped with a highly reliable motor, with a capacity of about 45 liters of air per minute.
- Simple to operate, the blower ensures correct use under difficult conditions or when operated by children.

Blower IMP 1006
Cat. No. 013000300

This blower is suitable for attachment to any filter and any mask approved by the IDF Home Command and/or the Israel Standards Institution. It can be suspended from a belt or carried close to the user.

This blower is powered by four lithium batteries (size 2/3A) that offer at least 10 hours of operation.

- The purpose of the blower is to create overpressure inside the mask, to prevent the entry of chemical and biological warfare agents.
- This blower is equipped with a highly reliable motor, with a capacity of about 45 liters of air per minute.
- Simple to operate, the blower ensures correct use under difficult conditions or when operated by children.
Supergum maintains highly qualified R&D and engineering departments utilizing the most advanced tools, software and equipment in order to develop reliable, innovative NBC solutions.

Supergum’s R&D department maintains expertise in the field of chemical, mechanical and electronic engineering. Our specialized engineers are tasked with finding the appropriate technical solutions to a wide range of operational demands and diverse customer requirements.

Our R&D activity includes the development and upgrading of personal protective devices. Additionally, Supergum is continually improving our manufacturing procedures to ensure the highest levels of protection and reliability from our equipment.