

FIRE & RESCUE EQUIPMENTS

integral®



*Disasters cannot be avoided
We can only be prepared to mitigate the impact*

IFR PICO

The worlds smallest and lightest fire robot

The IFR PICO is a revolutionary breakthrough in firefighting technology—engineered to be the world’s smallest and lightest fire robot. Compact yet powerful, it delivers high-performance water flow, rugged mobility, and reliable operation in the toughest conditions. Designed for rapid deployment, it saves time, effort, and lives, setting a new standard in modern firefighting solutions.



Demo video

- Delivers powerful water flow of up to 1200 liters per minute at 8 bar
- High-pressure stream maintains consistent performance for effective firefighting in critical situations
- Compactly designed to fit into standard fire truck compartment.
- Weighing only 60 kg, the unit can be carried by just 2 persons
- Jet range up to 50 meters
- Built with IP69 protection, making it dustproof and waterproof
- Its portable design allows rapid deployment at the scene
- All-terrain crawler tracks enable smooth movement across rubble, slopes, and challenging landscapes.
- Controlled safely from a distance of over 800 meters, enabling fire fighting from safe distance
- Continuous Operation in One Charge, upto 2 hours (only monitor upto 15 hours)
- Dimensions - 580*480*700 mm

Manufactured By:

 **integral**
Safety Engineers

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IFR PICO +

Small In Size.....Big On Performance

The IFR PICO is a revolutionary breakthrough in firefighting technology—engineered to be the Small, Compact yet powerful, it delivers high-performance water flow, rugged mobility, and reliable operation in the toughest conditions. Designed for rapid deployment, it saves time, effort, and lives, setting a new standard in modern firefighting solutions.



- Delivers powerful water flow of up to 1200 liters per minute at 8 bar
- High-pressure stream maintains consistent performance for effective firefighting in critical situations
- Compactly designed to fit into standard fire truck compartment.
- Weighing only 65 kg, the unit can be carried by just 2 persons
- Jet range up to 50 meters
- Built with IP69 protection, making it dustproof and waterproof
- Its portable design allows rapid deployment at the scene
- All-terrain crawler tracks enable smooth movement across rubble, slopes, and challenging landscapes.
- Controlled safely from a distance of over 800 meters, enabling fire fighting from safe distance
- Continuous Operation in One Charge, upto 2 hours (only monitor upto 15 hours)
- Dimensions -560*630*630



Demo video

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IFR - 700

Engineered with an optimal power-to-weight ratio, the IFR-700 Fire Fighting Robot delivers performance that rivals far larger machines. Its design emphasizes mobility and resilience, allowing it to operate effectively where heavier systems face limitations. This unique balance makes the IFR-700 a decisive advantage in high-risk firefighting scenarios.



Demo video

- Flow Rate: Up to 1200 - 3000 LPM
- Operating Pressure: up to 15 bar
- Jet Range: up to 75 meters
- Weight: ~160 kg
- Mobility: Heavy-duty crawler tracks for rubble, slopes, and uneven terrain
- Staircase / Incline climbing ability 30 degree
- Protection Rating: IP69 (dust & water resistant)
- Control: Remote operation range up to 800 meters
- Hours continuous runtime (only monitor 12 hours)
- Nozzle: Remote controlled fire monitor with adjustable spray/jet pattern
- Cameras: Dual PTZ Thermal & Optical zoom surveillance cameras for navigation and targeting
- Rapid Deployment – Lightweight, compact design for quick field use
- High-Performance Suppression – Strong water/foam jet for intense fires
- Safe Operations – Remote-controlled, keeping firefighters out of danger
- Versatile Use – Suitable for industries, warehouses, tunnels, and refineries
- Durable Build – Withstands heat, water spray, and hazardous conditions
- Dimensions - 840*750*77 mm

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Smoke Extractor and Blower Battery Operated (Integral ISB16)

Introducing high performance, light weight and compact PPV and Smoke extractor which can run on electric mains and battery. Now you don't need to worry about carrying PPV and Smoke extractor due to size and weight. It can be carried easily and set up by single person



- High Output 9640 cfm.
- Weight 24 kgs.
- Shoulder Strap for easy portability.
- Internal Battery for enhanced safety.
- Auto change over from electric to battery power and charging.
- Variable angles 30, 60, 90 and 120 for different applications.
- Duct connections on both sides for positive ventilation or smoke extraction.
- Battery indicator with temperature indicator.
- Lithium Ion battery for long life and fast charging.
- Run time on full speed more than 60 minutes.
- Charging more to 90% in less than in 120 minutes.
- Less noise compared to petrol engines.
- Variable speed control.
- Metal shroud for better protection.



Demo video

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360° Search & Rescue Camera System

Integral I 360 is a revolutionary equipment in search and rescue operations,. Unlike traditional search camera which have a telescopic pole with a rotational head in the front to search for victims, this camera gives a complete 360 without the need of any manual rotation making the rescue much faster. Having the capability to work wired as well as wireless provided with a 2 way communication system making the rescue operation faster and efficient.



- 360° Omnidirectional View – eliminates blind spots
- (IP67) – Can be used for under water search
- Can be mounted on telescopic pole extendable to 20 feet
- Rugged camera head made of ABS and Aluminium
- Powerful LED lights for night operations
- Two-Way Communication – built-in mic & speaker
- Wireless & Wired Operation with 20 m cable
- Under water search upto 50 m
- Real time display can be viewed on multiple devices
- Long lasting battery for run time more than 4 hours
- Optional batteries for longer working duration
- Complete set weight less than 4 kgs
- Complete unit in one single storage case
- Headset with boom mike for clear communications
- Shoulder sling for handsfree operation



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Telescopic Rescue Pole



Specifications

Model	ISER-25	ISER-40	ISER-70
Full Length in feet	25	40	70
Closed Length in feet	5	7	7
Number of Extensions	5	6	10
Weight in Kg	3	4.4	70

The telescopic pole is a multi purpose tool with many accessories to suit a wide range of rescue applications ranging from a saving a drowning person from water from a safe distance to passing on various rescue devices in well or at height. The extendable 10 sections ensure that pole can be extended upto 60 feet and closed length less than 7 feet making it very easy and compact to carry. The pole is made of carbon fibre making it strong as well as weighing less than 6 kgs. The pole can be provided in various sizes and accessories as per requirement



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Floton-1000

Floton pumps are mainly designed for dewatering applications during flood situations and removing water from basements and low lying areas. It is also useful for irrigation and to draw water from well lakes, ponds, well, river, etc for filling tankers and fire tenders. Owing to its high volume capacity it can also be used for emergency fire fighting applications. Since these pumps float on the water surface, common problems of suction with other pumps do not exist. The pump has the capability of dry run, so it can be started and then lowered in to a well without possibility of pump being seized.

Engine

- Model : B&S 4-stroke air cooled, petrol OHV
- Displacement / Power : 190 cc / 6 hp (approx)
- Bore x Stroke : 68 x 52 mm
- Air Cleaner/muffler : Water resistant
- Ignition System : Transistorized Magneto
- Fuel Tank Capacity : 1.2 Ltr.
- Starting System : Recoil



Pump

- Type : Single Suction, Centrifugal
- Casing : Aluminium - Anodized / Powder Coated
- Impeller : Aluminium - Anodized / Powder Coated
- Outlet : 63 mm instantaneous
- Performance : > 1000 l/min
- Delivery Height : >15 m
- Solids : Ø20 mm
- Min Water Depth : 20 mm of water

Dimensions and weight

- Dimensions (L x W x H) : 690 x 550 x 400 mm
- Weight : 30 kgs

Optionals:

- Fuel Tank 5 ltrs
- Remote On / Off
- LED Lights
- Fuel Indicator



Demo video

Manufactured By:

life Detector

Integral Seismic & Acoustic Life Detection Kit combines the advanced Integral Life Detection System with a dedicated Victim Simulator Module, offering a comprehensive, ready-to-deploy solution for rapid search and rescue operations.

Engineered for precision and reliability, the system employs up to six seismic sensors and one acoustic sensor to detect the faintest signs of life beneath rubble, debris, or collapsed structures. It is designed for diverse rescue scenarios including earthquakes, building collapses, explosions, landslides, mine cave-ins, and confined-space incidents.



Technical Specifications

- Parameter Specification
- Detection Type Seismic / Acoustic Listening System
- Frequency Range 1 Hz – 3000 Hz
- Input Impedance Seismic > 6 K Ω • Intercom > 3 K Ω
- Filters: Rumble (100 Hz) • PWR (50/60 Hz Notch) • Hiss (600 Hz Low-Pass)
- Display LED Bar-Graph
- Headset Output ¼" Stereo Jack • 0.13 W @ 60 Ω
- Sensors Included 6 x Seismic + 1 x Acoustic
- Shock Resistance > 1000 g
- Power Supply 12.5 V / 100 – 240 V AC (50Hz)
- Battery Type Lithium-ion Rechargeable 20 hours
- Operating Temperature –15 °C to +60 °C
- Storage Temperature –20 °C to +70 °C
- System Kit Includes: Sensors • Sensor Spikes • Magnetic Clamps • Intercom Probe • Headphones • Charger • Cables • Carry Bag • Manual

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Portable Light system (ILS 240)

This Portable Light System (Manual) is designed for maximum reliability in critical situations. Its telescopic mast is raised manually using a safe hand-crank mechanism, eliminating the need for external power sources like electricity, air, or hydraulics. With a high-capacity lithium battery, IP66 protection, and durable all-terrain design, it ensures dependable illumination for emergency, rescue, and industrial operations.



Demo video

- 4 x 60 W High-Power LED Floodlights Total: 240 W
- Luminous Flux: 33600 lumens
- Color Temperature: 5700K (Daylight White)
- Wide Beam Angle: 120°
- Telescopic Mast Height: 1.5 m (closed) 4.5 m (extended)
- 360° Rotatable Light Head for flexible illumination
- Manual Hand-Crank Lift with safety locking system
- Built-in Rechargeable Lithium Battery Pack
- Runtime: 8–10 hours on a single charge
- Charging Time: 2-3 hours
- Rugged polymer housing with impact-resistant casing
- Foldable tripod legs for extra stability
- Heavy-duty wheels and handles for easy portability
- Weatherproof connectors & cables
- Ingress Protection: IP66 (Dustproof & Waterproof)
- Operates in harsh weather and tough field conditions
- Approx. 40 kg (including battery)
- Emergency Response | Firefighting & Rescue | Disaster Management | Mining & Industrial Sites | Roadworks & Construction | Events & Outdoor Lighting

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Portable Inflatable Lighting System (ILS 400)

This Portable Inflatable Lighting System is a compact, lightweight solution that delivers powerful illumination of over 100,000 lumens. Fully deployable in under 60 seconds, its 4.5 m inflatable mast makes it quick and easy to set up even in tough conditions. Designed for portability and reliability, it combines flexible power options with rugged, flame-retardant weatherproof fabric—ideal for firefighting, disaster relief, and emergency response



- High power output up to 400W
- Light intensity 10,000+ lumens
- balloon inflatable height 4.5 meter
- Fully deploys in under 60 seconds
- Lightweight, portable and easy to transport
- IP65 dustproof and waterproof protection
- Wind resistant up to 60 km/h with guy ropes
- Flexible power options: mains supply, external generator or built-in generator
- Durable flame-retardant, weatherproof inflatable fabric
- 8–10 hours of continuous runtime
- weight - 45kg without fuel / storage
- Suitable for firefighting, disaster relief, roadworks, mining, events and defence

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Portable Lighting System (ILS 480)

This Portable Lighting System delivers powerful all-round illumination with wireless remote control for hassle-free operation. Built with an IP66-rated weatherproof design and wind resistance up to 80 km/h, it ensures dependable performance in the harshest environments. Its pneumatic mast deploys quickly, while the rugged lithium battery pack provides extended runtime—making it a tough, high-power solution for emergency, industrial, and outdoor operations.



Demo video

- 120*4 W High-Power LED Floodlights Total: 480 W
- Luminous Flux: 67200 lumens
- Color Temperature: 5700K (Daylight White)
- Wide Beam Angle: 120°
- Weather Resistance: IP66 rating
- Operating mechanism: Pneumatic
- Step Up/Down Time: ≤ 3 minutes
- Tower height: 4.5 m
- Wireless Functions: Tower up/down, LED ON/OFF, dimming, rotation
- Light Intensity Control: Manual dimmer & Wireless remote
- Operational Time: 3h (Full), 5h (Medium), 12h (Low)
- Light Coverage: 360° all-round / 180° flood mode
- Control Mechanism: Wireless RF Remote (20m range)
- Battery Type: Lithium-ion rechargeable
- Wind Speed Resistance: Up to 80 km/h
- Movement: Wheels for easy portability
- Transportation: Handles for easy carry

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Portable Light System (ILS 120)

This Portable Light System is a compact, all-in-one solution that fits neatly into a single rugged suitcase for effortless transport and setup. Despite its small size, it delivers powerful illumination with dual high-lumen LED heads and multiple brightness levels. Designed for tough environments, it offers waterproof protection, long-lasting lithium-ion battery power, and quick deployment—making it the perfect blend of portability and performance.



Demo video

- Dual LED heads with high-lumen precision lenses
- Luminous Flux: 16800 lumens
- Color Temperature: 5700K (Daylight White)
- Wide Beam Angle: 120°
- Silent operation with cool temperature performance
- Rugged PETI Protector Case housing
- Integrated side stand for easy pole mounting
- Waterproof connectors for secure external wiring
- Rotary dimmer for manual brightness adjustment
- Wireless linear dimming function
- Wireless ON/OFF from 25 m distance
- Battery status indicator with low level alert
- Waterproof rating: IP66 for harsh environments
- Deploys up to 6.5 ft (2 m) height
- Long-lasting Lithium-Ion battery
- Storage Case Size: 510 mm (L) × 288 mm (W) × 200 mm (H)

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