

DISASTER MANAGEMENT



*Natural Disasters cannot be avoided,
We can only be prepared to minimize loss of Lives & Property*



Integral Safety Engineers is a subsidiary of Shree Ganesh Fire Equipments which has been in to the line of fire fighting business for over three decades now.

However with the rise in number of natural disasters and in the absence of specialized equipments, Integral Safety Engineers has proved to be a one stop solution for providing the Fire fighting and Rescue teams with state of the art equipments, helping them to deal with emergencies more effectively and efficiently.

'Integral' as the name suggests has always played an important role in mitigating the impact of these disasters for their clients with the right planning, preparation and real time testing of various disaster management solutions.

Having tied up with various companies all over the world in order to bring the top of the line safety products to your door step, We have had a annual growth of over 300% over the past few years with a continually growing list of esteemed clients like NDRF Fire brigade, Civil Defence, Disaster Management Organisations, Home guards, Police etc.

We have also started manufacturing some products in-house under the "Make in India" concept.

We at Integral, are a team of technically qualified safety experts who specialize in providing not only solutions which cater to disaster management, but also providing our customers with training programs that are customized to specific needs.

We not only sell the equipments but we also try to contribute in rescue & relief operations during various disasters by using these wherever possible.

Floton

High performance floating pumps

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.

Capacity available upto 1500 lpm.

Lifting height upto 45 mtrs.

No damage even if pump runs dry.

Can run even if water level is 20 mm.

Will not sink even if float is damaged.



Floton - 900

Engine	
Model	: B&S 4-stroke air cooled, petrol OHV
Displacement	: 190 cm ³
Bore x Stroke	: 68 x 51 mm
Power Output	: 6.5HP @ 3200 rpm
Ignition System	: Transistorized Magneto
Fuel Tank Capacity	: 0.93 Ltr.
Starting System	: Recoil
Pump	
Type	: Single Suction, Centrifugal
Outlet	: 63 mm instantaneous
Performance	: 0-900 l/min
Delivery Height	: 17 m
Solids	: Ø15 mm
Min Water Depth	: 20 mm of water
Dimensions and weight	
Dimensions (L x W x H)	: 690 x 550 x 400 mm
Weight	: 26.5

Floton - 1500

Engine	
Model	: Honda-GXV 390 4-stroke air cooled, petrol OHV
Displacement	: 389 cm ³
Bore x Stroke	: 88 x 64 mm
Power Output	: 10.2 HP(7.6 kW) @ 3600 rpm
Ignition System	: Transistorized Magneto
Fuel Tank Capacity	: 2.1 Ltr.
Starting System	: Recoil
Pump	
Type	: Single Suction, Centrifugal
Outlet	: 63 mm instantaneous
Performance	: 1500 l/min
Delivery Height	: 45 m
Solids	: Ø15 mm
Min Water Depth	: 20 mm of water
Dimensions and weight	
Dimensions (L x W x H)	: 850 x 750 x 490 mm
Weight	: 50.9 kg



PNEUMATIC LIFTING BAGS

These lifting bags manufactured by M/s Lysekilen A.S, Sweden are very unique because of the following features

- It requires only 1 bar pressure
- A single bag can lift an object up to a height of 1 mtrs
- Due to its wedge shape size the weight of the load is distributed evenly on the surface of bag
- Hence a single lifting bag can lift an entire train bogie side ways weighing around 50 tons
- Due to low working pressure these bags can be used even in soft soil



Can also be attached to Vehicle Exhaust



Mini Hydraulic Rescue Kit

HYDROTEC

The Hydrotec Mini Hydraulic Rescue Kit is a miniature version of the commonly available Hydraulic tools which are heavy and cannot be used for extended period of time. Consisting of Cutter, Spreader and Bar Buster this kit can easily carry out most of the tasks without the need for the bigger tools. With the individual tools weighing around 4 kg each and total kit weighing 16 kg, it can easily be carried inside any premises and also on ladders.

The pump being so small can be comfortably attached to the waist and operated with one hand. All the tools supplied are supplied in a backpack for easy transportation and fast rescue operations.



Technical Data:



1. Pump :

Weight (without house pipe)	: 4.1 kg.
Working Pressure	: 600 bar.
Oil capacity	: 900 cc



2. Door Breaker :

Weight	: 6.7 kg.
Length Closed	: 430 mm.
Stroke	: 250 mm.
Force	: 6.5 tons.



3. Spreader :

Weight	: 4.3 kg.
Width (closed)	: 3 mm.
Max. Width Open	: 90 mm.
Spreading Power (LxWxH)	: 2,500 kg.



4. Cutter :

Weight	: 4.8 kg.
Cutting Capacity	: 20 mm.
Cutting Power	: 16 kg.



STABILIFT

StabiLift Automatic has been developed in association with The Swedish Rescue Academy and other professional rescue teams.

The product has been specifically designed for:

1. Be simple to set up and easy to use
2. Handle all stabilizing and emergency lifting requirements at road traffic collisions.

The tool is capable of lifting any height between 10 and 211 cm.

Weighing only 10 kg and with a safety factor of 2:1, StabiLift can manage loads up to 2000 kg at full stroke. (Tested at 4000 kg at full stroke (211 cm))

StabiLift extends automatically using a gas spring. Lifting range 500 mm automatic or with a help of a lever. Preadjusting 600 mm.

StabiLift is possibly the simplest to use and most rapidly deployed rescue strut on the market.

- Applications:
- Vehicle in ditch
- Vehicle on its side
- Vehicle on its roof
- Lifting vehicle
- Lifting roof from vehicle



JUMPING CUSHION



Jumping Cushions are of utmost use when people are trapped in high rise buildings without any means of escape. It is made of durable PVC coated Fire, Abrasion and tear resistant fabric material. It Consists of 2 layers to safely absorb the impact of falling persons. Ready to use in 120 seconds and faster reinflation it is ideal for quick rescue in emergency situations.

Dimensions (L x W x H) (m)	7 x 10 x 3
Ground Required (m)	8 x 4
Installation Time	120 sec
Max. Jumping Height	45 m
Recovery Time	40 sec
Inflation Source	2 fans
Weight	190 Kgs
Compliance	DIN – 14151-3
Power Source	220 V

Victim Location Search Camera

Introducing revolution in the search and rescue operation by the worlds first versatile search camera system with a display size of 15 inches and capability to view multiple camera in a single system for collapsed structure as well as under water operations.



Control Panel with Screen

The control panel contains large 15 inch monitor showing views of 4 different camera thus shortening the time of search operation. Different types of camera provided with the system like telescopic, endoscopic or under water night vision camera can be connected to the system. Communication can be done through the control panel of wireless display. The control panel is powered by inbuilt long lasting batteries and also through external batteries. It can even run on electric mains supply.

Under Water Camera

The system can also be connected to a under water camera having one camera at the bottom and another horizontal 360 deg rotation camera.



Extendable Pole Camera

The extendable pole is provided with one camera in the front and one at the side with 20 mtrs cable giving you both the views simultaneously on the monitor complete with 2 way communication system. The pole can easily be extended to have total length of more than 10 feet.

Additional pole camera can also be provided so that simultaneous operation can be carried out at two different places on a single site.



Endoscopic Camera

The poles can be easily detached from the camera and the cable to use as an endoscopic camera.

Wireless Display Monitor

Portable 7 inch wireless monitor is provided with the system which can be mounted on the pole or carried anywhere up to a distance of 30 mtrs.



PORTABLE FOAM GENERATOR

- Prop/Pak has high impact 2.5 gallon foam reservoir with a built in educator that can be set to the ration of foam.
- Easy open & fill port with indicator.
- Selectable discharge velocity for inlet pressure between 40 & 500 psi.
- 3 mode detachable nozzles for low, medium & high expansion foam output.
- One tank of 1% foam concentrate can generate 15000 gallons of finished foam using 250 gallons of water in 20 minutes.
- High impact engineering plastic with metallic components of hard coat anodized aluminium and stainless steel.
- Shoulder strap for easy carry.
- Flow Rate 45 l/min at 7 bar.



***A protective Foam Blanket in
Less than 60 seconds!!!!***

G460 Multi-gas Detector

Exceptional Multi-gas Performance

Preliminary



- Compact and robust 1-to-6 gas design
- Full 3-year warranty on O₂, LEL, H₂S, CO and COSH sensors
- Direct reading sensors for CO₂, NH₃, SO₂, Cl₂, ClO₂, NO₂, NO, PH₃, HF, O₃ and PID for VOC measurement
- Optional motorized pump operates in diffusion or sample-draw mode
- Highly water resistant (IP 67)
- Top-mounted, back-lit, three color graphic display
- Bright, flashing 360° LED alarms and loud 103dB buzzer
- Optional built-in "flash light" LED's
- Event and datalogging standard

AIR BLOWERS

Blowers are very useful in confined spaces where fresh air needs to be supplied. Powered by powerful Honda / Briggs engines these blowers provide air flow up to 40 m³/hour depending on various sizes of impeller used. It is made of mild steel structure and having impeller options made from aluminium or PAG. They are provided with strong and easily movable wheels and provided tilt adjustment of + 10 Deg.



INSTA-VENT blowers are a perfect solution for ventilation and extraction for a wide range of applications from industrial, sewage, fire and rescue etc. It is useful for providing ventilation as well as removal smoke and fumes in various situations. A powerful easy to start 4 stroke petrol engine ensures quick deployment and maximum air flow. You need not worry about availability of electric source in emergency situation.



SMOKE EXTRACTOR



Smoke extractors are used for removal of toxic gases and smoke and provide fresh air. Powered by powerful Honda / Briggs engines these blowers provide air flow up to 3500 m³/hour. These are provided with ducts on both ends making it easier to use as extractor or blower. Ducts can be provided as per requirement so that the equipment can be kept at a safe distance.

INFLATABLE BOAT



TECHNICAL SPECIFICATIONS:

- Inflatable Boat 10 Men Capacity made out of heavy duty polyster fabric with PVC Coating
- Length - 4700 mm Width - 1980 mm
- Inside Width - 980 mm Dia of tube body - 500 mm
- Stability - Width to Length Ratio 1:2 to 3 for later buoyancy
- Load Capacity - 1150 Kg
- No. of compartments (min.) - 05 Nos.
- Relief Valve (min.) - 05 Nos.
- Keelson - Inflatable
- Flooring Rigid Floor Board of 12 mm thick Marine Plywood with Plastic Coating
- Or Aluminium Floor Board with interlocking system
- Transom - Plastic coated Capable to take load of 40 HP OBM Minimum height of transom 430 mm
- Overall Weight with accessories - 135 Kgs. Max.
- Carrying Capacity - Light weight so that 4-5 person can carry
- Seating Space - 10 men with safety equipment

PORTABLE STORAGE TANK

The portable storage tanks are self supporting, flexible and collapsible tank for storage of liquids. Light in weight, it is easy to transport and can be put to instant use. It is ideal for storage of water in disaster affected areas.

Available in capacities from 500 to 100000 ltrs.

- Portable Transferable
- Easy to clean
- Light weight
- Durable
- Collapsible
- Flexible
- Economical
- Instant Installation



4 STROKE POWER CUTTER

- Automatic engine decompression valve
- Pressure compensated carburetor
- Integrated all aluminum wheels
- Eliminates the need for separate mixed oil/fuel can
- Lower noise at 92.7dB(A)
- Three ring piston for improved commercial engine durability



DEMOLITION HAMMER

- Constant speed control
- Soft start suppresses start-up reaction
- LED power light indicates switch failure or cord damage
- Variable speed control dial
- 12 bit angle settings allow the bit to be set at different positions for operating convenience
- Rubberized ergonomic soft grip provides more comfo



RECIPROCATING SAW

- Single LED job light with pre-glow function
- Shoe Adjustment
- Tool less blade clamp for reciprocating saw blade
- Two switch levers with variable speed control.
- Rubberized soft grip provides comfortable and sure grip



ROTARY HAMMER

- Cordless hammer drill with weight only 3.2 kgs
- 8 v 3.0 Ah battery
- Torque Limiter
- One touch sliding chuck
- Versatile 3 mode operation



REBAR CUTTER

- Cutting capacity range of 1/8"- 3/4"
- Cutting head rotates 360° for different cutting positions
- Ergonomic pistol grip handle with rubberized soft grip
- Fast and effortless cutting speed of 6.5 seconds for all rebar sizes
- Spark free cutting of rebar and steel rod



Angle Cutter

- 2,7 kW electric motor with soft start electronic
- Cutting depth of 130 mm (5 inch)
- Thermal overload protection
- Easy cutting depth adjustment
- Easy tool change
- 35 mm vacuum hose connector
- adjustable blade guard and handles
- easy to operate by extra wide guiding wheels



Concrete Cutting Chain Saw

The new GS 461 concrete cutter combines all the new features of a STIHL chainsaw plus many new features that will make cutting concrete easier, quicker and with more comfort. The GS 461 concrete saw is equipped with the environmentally friendly 2-MIX engine technology for lower emissions and extremely efficient anti-vibration system for more comfort during operation. The GS 461 is designed for free hand cutting in concrete with re-enforcing, natural stone, sewage pipes (concrete, ductile iron) and general masonry.



Battery Operated Cut Off Saw

STIHL introduces another world's first – a cut-off machine powered by 36-volt Lithium-Ion battery technology. The TSA 230 cut-off machine starts instantly and delivering maneuverability and solid cutting performance in a lightweight, compact package that can be used indoors. Its onboard water control helps suppress dust while a toolless wheel lock prevents wheel rotation when removing the wheel attachment bolt. And because it is battery powered, there is no air filter to maintain.



Battery Operated Chain Saw

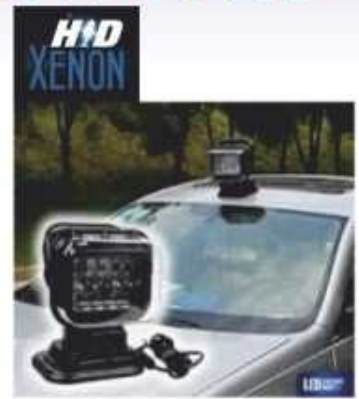
Our STIHL Battery chainsaws are perfect for working in noise sensitive residential areas and around hospitals etc. The STIHL Battery chainsaws have outstanding cordless cutting power. They fulfil even the highest demands for performance and working comfort and is the perfect assistant for property maintenance, horticulture, cutting firewood and sawing work in enclosed areas.



VEHICLE MOUNTED SEARCH LIGHT

(REMOTE CONTROLLED)

APPLICATION: Highway Patrolling, Jungle Safari, Mining Vehicles, Dumping Vehicles, Defense Vehicles, Fire Fighting Vehicles, Disaster Management Vehicles, Patrolling Boats, Security Watch Towers,



FEATURES -

- DEEP PARABOLIC SUPER POLISHED REFLECTOR.
- TOUGHENED FRONT GLASS.
- 1000 METERS OPERATING RANGE.
- WEATHER & DUST PROTECTION.
- MICRO-CONTROLLER BASED INTELLIGENT CONTROL FOR PRECISE AND CONVENIENT CONTROL.
- WATER, SHOCK & CRACK RESISTANT BODY.
- NYLON GLASS FILLED HEAVY DUTY BODY WITH 3MM WALL THICKNESS.
- 3 TIMES BRIGHTER THAN 55W HALOGEN LAMP.
- REMOTE CONTROLLED OPERATION : ON / OFF, LEFT / RIGHT, UP / DOWN (VARIABLE SPEED)
- CE CERTIFIED

SPECIFICATION -

- WORKING VOLTAGE : 12V
- CONNECTOR : CIGARETTE LIGHTER
- LIGHT INTENSITY : 3200 LUMENS
- LAMP : 55W HID XENON
- WEIGHT : 3.8 KG.
- HEIGHT : 230 MM
- WIDTH : 185 MM
- REFLECTOR SIZE : 7"
- REFLECTOR SIZE : 7"
- MOVEMENT : 360° HORIZONTAL
120° VERTICAL
- MOUNTING OPTIONS :
1. FIXED MOUNTING SHOE
2. MAGNETIC MOUNTING - 200 POUNDS

Note : The above technical specification & features are subject to change due continuous technical upgradation.

LED RECHARGEABLE ZOOM HEAD LAMP



FEATURES & SPECIFICATION:

- LED: CREE XM-L T6 life upto 1,00,000 hrs
- Heavy Strength Air Craft Aluminum Alloy Case
- Unbreakable Polycarbonate Lens
- Corrosion resistance anodised finished
- Water & impact resistance (not for diving)
- Mains Charging External Charger with Charging Status indicator
- Protection : Over Charge, Over Discharge, Short Circuit
- 3 switch Mode: Full Brightness / Normal Brightness / Flashing
- RED LED Indicator at the back of head
- Brightness : Max 1200 Lumens
- Adjustable focus range for different usage
- Zoomable function: Zoom In & Zoom out
- Rechargeable Battery : 2 x 18650 Li-Ion Battery (3.7V, 3600mA)
- Working Time : 3Hrs (full brightness) / 15Hrs (normal brightness)
- Coverage : Narrow beam - 400m Long, 1/2m Dia from 2m distance
Wide beam - 100m Long, 3m Dia from 2m distance
- Weight : 180gm, Front Dia : 43mm

1000
Charge-Discharge
Cycle

RECHARGEABLE WATERPROOF LED HEAD LAMP



Heavy Duty
ABS & Aluminum
Casing



FEATURES & SPECIFICATION:

- LED: CREE XPE life upto 1,00,000 hrs
- Heavy Strength ABS & Air Craft Aluminum Alloy Case
- Unbreakable Polycarbonate Lens
- Corrosion resistance anodised finished
- Water & impact resistance (not for diving)
- Mains Charging External Charger with Charging Status indicator
- Protection : Over Charge, Over Discharge, Short Circuit
- 3 Switch Mode: Full Brightness / Normal Brightness / Flashing
- Brightness : Max 250 Lumens
- Rechargeable Battery : ICR 103450 LI-Ion Battery (3.7V, 1900mA)
- Working Time : 08Hrs (full brightness) / 18Hrs (normal brightness)
- Weight : 134gm

1000
Charge-Discharge
Cycle

Disaster Management Equipments



Life Jacket



Life Buoy



Inflatable Jackets



Cooling Jacket



Long Range Torch



Search Light



Victim Location Camera



Fire Suit



Smoke Exhaustor



Pulling & Lifting Machine



Aluminium Ladders



Fire Escape Mask



Inflatable Tent



Megaphone



Folding Shovel



Jumping Sheet