

New
Products
&
Features

IMPACT recovery SYSTEMS



*Impacting
Today's
Roads
for a
Safer
Tomorrow*



CATALOG
PRODUCT

Directional Information



Left

Impact Recovery Systems, Inc. follows the MUTCD Standards in Reference to the guidelines constituting “Right” and “Left” designations. Please use the diagrams shown here when ordering directional panels.

All IRS products are manufactured using 3M™ Hi Intensity Grade Sheeting or 3M™ Diamond Grade™ Sheeting.



Right

Terms and Conditions

Ordering Information:

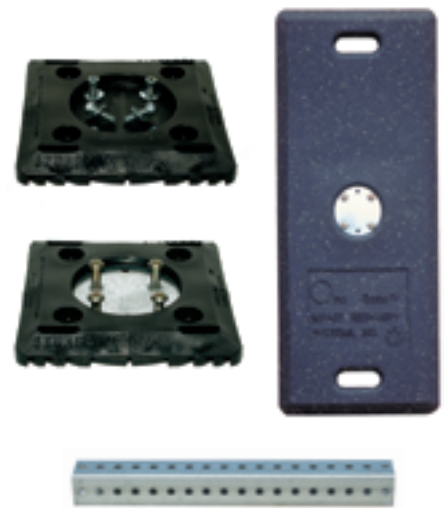
Orders subject to factory acceptance. Original of faxed purchase orders required. Returned items require prior authorization and are subject to a 15% restocking fee.

Freight Terms:

Prices are F.O.B. San Antonio, Texas. Taxes added where applicable. If you choose to ship your order prepaid, the exact shipping charges from the freight carrier will be added to the invoice.

Bases

- 101-NS Fixed Base without Quick Release
- 101-QR Fixed Base with Quick Release
- 103-QR Portable One Base™ with Quick Release
- 105 Driveable



Please Note:

The #101-NS and #101-QR Fixed Base requires installation materials such as epoxy, anchor bolts, or Super Bundy.

The #103-QR One Base performs best with the use of butyl pads.

The #105 Driveable Base requires drive cap for proper installation. Please do not hammer directly on the top of the Driveable Base.

Installation Materials



- 160 2 Gallon Epoxy Kit (installs approx. 15 bases) for #101 Fixed Base.
- 161 10 Gallon Epoxy Kit (installs approx. 80 bases) for #101 Fixed Base.
- 163 Super Bundy (installs 1 base) for #101 base.
- 164 Butyl Pads (package of 4) installs 1 Base, for #103 Portable Base (optional).
- 165 Anchor Kit with 4" Lag Screws for #101 Fixed Base (package of 4).

Please Note:

Installation instructions are included with bases, or available for download from our website at www.impactrecovery.com. It is recommended that installation instructions be followed exactly for proper product installation.

International



IRS manufactures custom signing and information panels in all shapes and sizes. We have the capability to design devices to meet any traffic situation.

IRS Products have been designed and tested to withstand multiple high speed impacts.



The unique reactive spring has the strength to support not only a flexible post, but an information panel as well. This reactive unit gives upon impact and is designed to reorient the panel to an upright position.



In addition to being crash-worthy, we are also concerned with the functionality and condition of a device after it is impacted. Extensive testing has shown that our spring loaded mechanism consistently returns the device to its pre-impact position providing continuity and reducing maintenance.



International

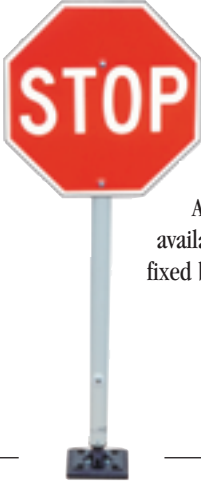


International Devices

The versatile nature of the IRS permanent and portable systems combined with our ability to manufacture panels to any specification makes it perfect for both national and international applications. We manufacture traffic control products for a host of applications in Europe, Asia and South America. Whatever the requirement, Impact Recovery Systems can build a traffic control device that will meet your needs and lower your maintenance costs.

Parking Lot

Parking Lot Devices



All IRS posts and panels are constructed of flexible polyethylene plastics that are resistant to ultraviolet light, ozone, and hydrocarbons.

All parking lot products are available in either portable or fixed bases.



Tubular Markers

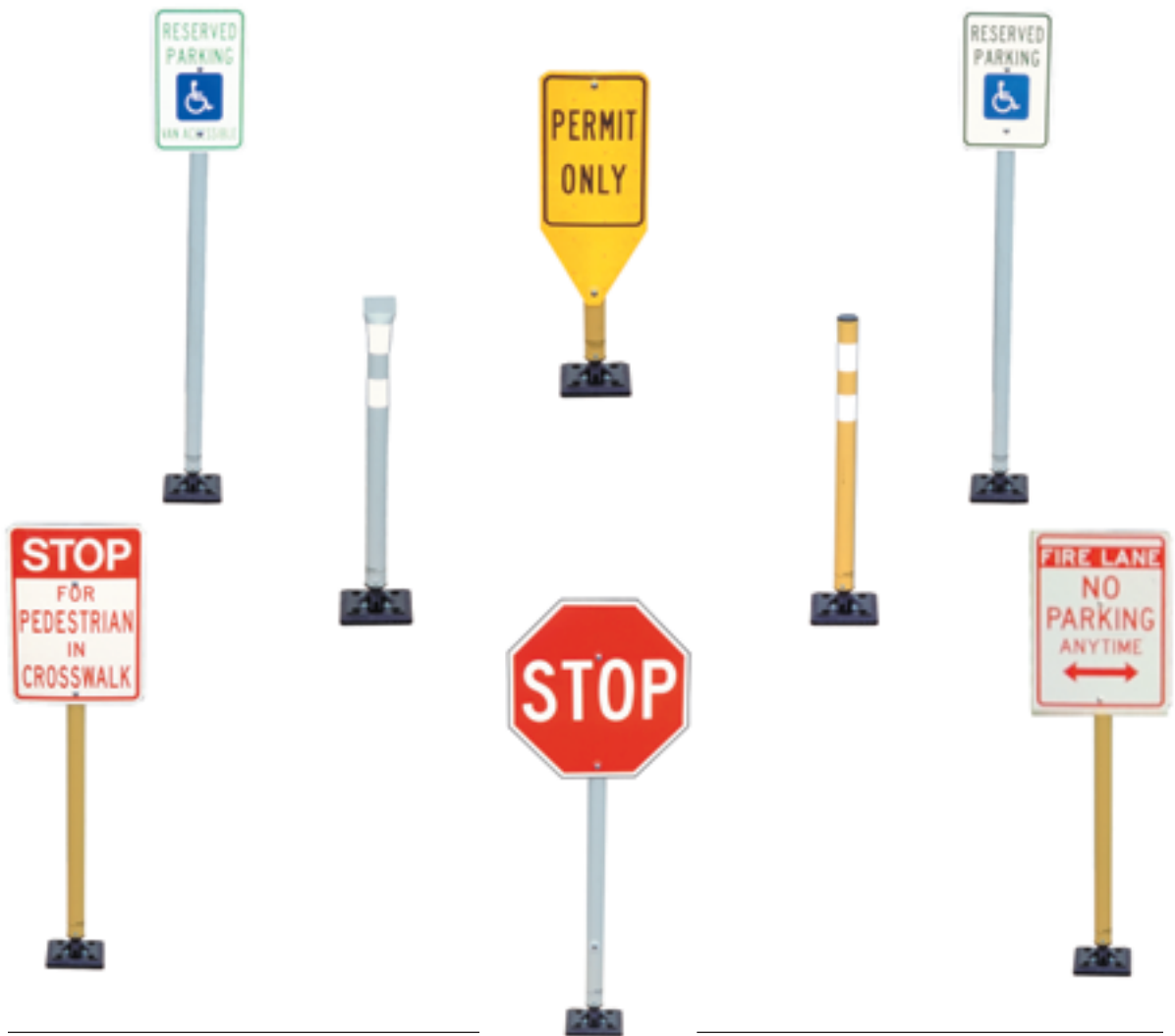
Provides positive guidance in parking garages.

"Lot Full" Sign

Ideal for Parking Lot Management



Parking Lot



Handicap Parking Signs

IRS Handicap Parking Signs are perfect for high traffic parking lot locations. They are more durable than ordinary steel posts and require much less maintenance.

IRS Handicap Parking Signs are 12" x 18" with engineer grade sheeting. They come with a 5'6" post and have an overall height of 66". Signs are available with or without Van Accessible legend.



IRS Handicap Signs are especially useful in parking lots without car stops.

School Zone Safety

MUTCD School In-Street Pedestrian Crosswalk Sign

According to the National Safe Kids Campaign, “In 2002, more than 43,000 children ages 14 and under were treated in hospital emergency rooms for pedestrian-related injuries. Despite recent declines, pedestrian injury remains the second leading cause of unintentional injury-related death among children ages 5 to 14.”

These staggering statistics are at least in part responsible for the inclusion of a centerline pedestrian sign in the most recent version of the Federal Highway Administration’s MUTCD.



R1-6 with S4-3

The School In-Street Pedestrian Crosswalk Sign meets or exceeds the specifications released in the 2003 Edition of the MUTCD (Manual of Uniform Traffic Control Devices).



The School In-Street Pedestrian Crosswalk Signs have an overall height of 47” with a total panel size of 12”x44” and are manufactured with 3M™ Diamond Grade™ Fluorescent Yellow Green Sheeting. The R1-6 and R1-6a inserts are 10”x24” and utilize 3M™ Hi-Intensity Sheeting.

All signs are equipped with a “anti-twist” feature that prevents the sign from being twisted sideways.



Impact Recovery Systems School In-Street Pedestrian Crosswalk sign was specifically developed to meet the urgent need to protect our nation’s children.

Pedestrian Safety

MUTCD In-Street Pedestrian Crosswalk Sign



R1-6

The In-Street Pedestrian Crosswalk Sign meets or exceeds the specifications released in the 2003 Edition of the MUTCD (Manual of Uniform Traffic Control Devices).



Every year 6,000 pedestrians die and an additional 90,00 will be injured. A pedestrian or bicyclist is killed every 3 1/2 minutes with injuries and fatalities resulting in \$20 billion in societal costs. The FHWA has made Pedestrian Safety a priority. By delineating your crosswalks with the In-Street Pedestrian Crosswalk Sign, you can reduce the risk of injury, death, and property damage.

The In-Street Pedestrian Crosswalk Signs have an overall height of 47" with a total panel size of 12"x44" and are manufactured with 3M™ Diamond Grade™ Fluorescent Yellow Green Sheeting. The R1-6 and R1-6a inserts are 10"x24" and utilize 3M™ Hi-Intensity Sheeting.

All signs are equipped with a "anti-twist" feature that prevents the sign from being twisted sideways.

"By delineating your crosswalks with the In-Street Pedestrian Crosswalk Sign, you can reduce the risk of injury, death, and property damage."



R1-6a

Available with Fixed or Portable Base

Permanent Delineation

Object Markers

Object markers used in gore areas take a terrible beating. The flexible design of the IRS object marker drastically improves the life of these devices.

The unique reactive spring gives upon impact and is designed to reorient the panel towards traffic after an impact.

IRS Object Markers have a 36" vertical height with a 12" x 6" reflective panel.



Sergeant Stripes

The IRS Sergeant Stripe is ideal for marking exit gores and medians or any area where traffic is directed around two sides of an object.

IRS Sergeant Stripes are available in two sizes: Large (48" overall height with a 18" x 36" panel) and Small (36" overall height with a 12" x 24" panel).



Delineator Posts

IRS tubular markers are ideal for indicating alignment in roadways. All markers meet MUTCD specifications.

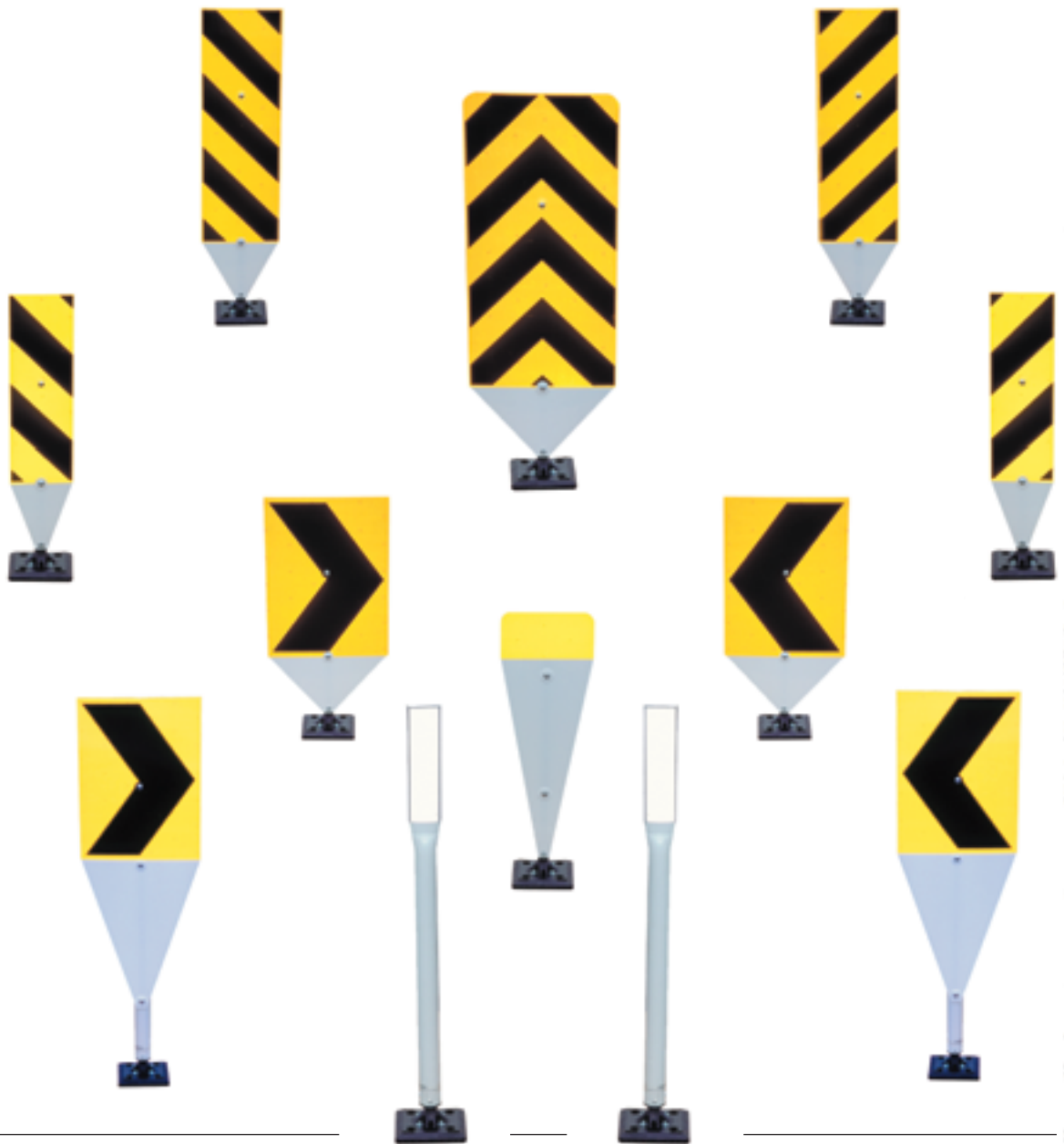
IRS Delineator Posts are available in 36", 42", and 48" lengths.

Sheeting and posts are available in white, orange, and yellow.

Our products have been field tested and evaluated by NTPEP. Test and evaluation results are available from AASHTO (American Association of State Highway and Transportation Officials).



Permanent Delineation



Hazard Markers

IRS hazard markers can help reduce your property damage liability and improve the life of your traffic control equipment.



IRS Hazard Markers are perfect for low water crossings.

IRS Hazard Markers are available in two standard sizes: Small (8" x 24" panels with an overall height of 36") and Large (12" x 36" panels with an overall height of 48").



IRS Hazard Markers are also useful for protecting guard rail and bridge approaches.

Work Zone



Breakaway Barricade

The new IRS Breakaway Type III barricade also works with the One Base system component parts shown throughout the catalog. It features all plastic reflective panels and upright support posts which makes it simple to transfer to the job site and keeps assemble time to a minimum.

The plastic uprights are designed to break away from the bases upon impact causing minimal damage to the device or the impacting vehicle.



With the One Base quick release system, stacking type III bases is simple.

Attachment to base



IRS Type III's are available in 4', 6', and 8' sections.



Attachment of upright to base

Type III plastic uprights simply slip into the square tubing that is attached to the rubber bases for simple erection at the job site.

Work Zone

One Base™ Portable Sign Stand

The IRS One Base portable sign stand is truly universal and can be adapted to any 36" or 48" roll-up sign on the market today. The stand is designed to meet the 12" minimum sign height as specified in the MUTCD.

The rubber base is constructed of recycled rubber with convenient carrying handles making it easy to transport and place into position.

The "breakaway" design of the One Base sign stand makes it field repairable should it become damaged.



The One Base portable sign stand is easy to use and has no folding legs that can interfere with vehicle or pedestrian travel ways. Once the sign is attached to the base (with either of the brackets shown below), no further adjustments are necessary.



Universal Latch

The One Base™ sign stand comes standard with the universal bracket which works with any roll-up sign you may have in your inventory.



Auto Latch

The additional latch bracket works with all makes of signs using plastic corner pockets.

Work Zone

Chevron Panels

IRS Chevron Panels are a great way to delineate a change in traffic direction. When used in conjunction with concrete median barrier, they provide safety for both workers and motorists.

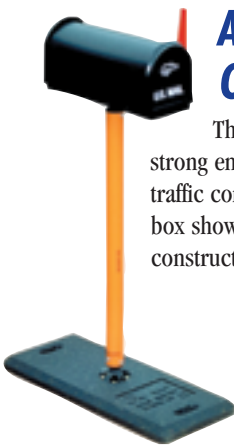
IRS Chevrons come with an 18" x 24" High Intensity or Diamond Grade Panel and are available in both 36" and 60" heights.



Standard 5' Chevron Panel

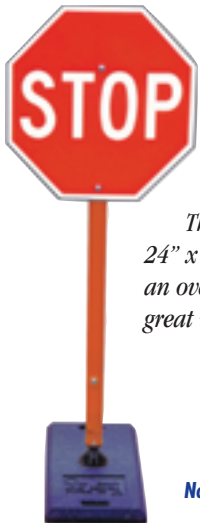


New 36" Chevron Panel



Additional One Base™ Devices

The specially designed spring is strong enough to hold virtually any portable traffic control device. The temporary mail box shown here is perfect for rural road construction projects.



The IRS temporary portable stop sign is great for emergency situations. It can be assembled on location and installed in seconds.

The portable stop sign comes with a 24" x 24" durable plastic panel and has an overall viewing height of 60" for great visibility.

Not MUTCD compliant as a permanent stop sign.

One Base™ Portable Stop Slow Paddle Stand

The IRS One Base Portable Stop Slow Paddle Stand's self supporting design assures the correct horizontal/vertical positioning of the paddle and minimizes flagger fatigue.



The mast is easily removed for transportation and storage.



Work Zone



Vertical Panels

Impact Recovery vertical panels are available with an optional type A or C warning light when required by the traffic control plan.

IRS vertical panels are available in two standard panel sizes, 8" x 24" and 12" x 24". Both units have an overall height of 36".

Custom configurations are available upon request.



Opposing Traffic Lane Dividers

It is critical to remind drivers that you have diverted them into a two-lane, two-way situation and the OTLD is a great solution. A two-lane two-way section of the work zone is hard on devices and workers alike.

The IRS OTLD can help to both minimize a workers' exposure in the roadway and reduce the damage to your devices. They are durable and very easy to maintain.

Opposing Traffic Lane Dividers have an overall height of 36" with 12" x 18" high intensity or diamond grade panels.



Tubular Markers

Tubular Markers are used to divide opposing lanes of traffic or to delineate the edge of the travel lanes. IRS markers are available with portable or permanent bases.

IRS Tubular Markers are available in three sizes: 36", 42", and 48".

IRS Tubular Markers are available in three colors of reflective sheeting: orange, white, and yellow.

IRS Tubular Marker Posts are available in three colors: orange, white, and yellow.

Additional post & sheeting colors also available.

One Base™ System

Quick-Release System is the Key

The key to the One Base™ system is our unique quick-release design. Changing or repairing devices takes less than 10 seconds. To remove the device, simply pull the keeper pin and rotate the assembly 15°,

then lift and remove. That is all there is to it! The One Base™ products using the quick-release system are ideal for applications where changeable and/or movable work zone devices are required.



Fully assembled.



Pull the keeper pin and rotate 15° to unlock the device.

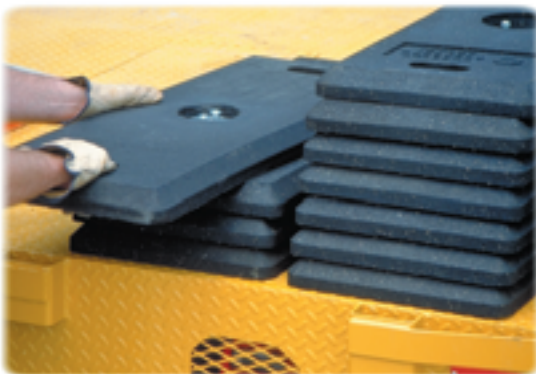


Lift the device to remove from the base.



Disassembly complete.

Easy to Transport and Assemble



The ergonomically designed carrying handles make setting the device easier and safer.



It is easy and quick to assemble the devices on site. Bases are stackable for ease in transportation to and from the job site.

One Base™ System



One Base™ ... the name says it all!

What makes the One Base™ system so unique is that one base works with virtually every portable channelizing device required in today's work zone. Other manufacturers require you to purchase a different base for every type of device.

The revolutionary One Base™ system eliminates the need for a yard full of specialized bases. Reducing the number of types of bases in your inventory translates into better asset utilization and reduces your cost of doing business.

Safety Standards

The IRS System exceeds NCHRP-350 Standards.

NCHRP-350 standards are a bare minimum. Impact Recovery Systems exceeds this standard by far in both safety and performance. Our products are designed to withstand multiple high speed impacts and stay in place.



Impact Recovery Systems, Inc. is pleased to have the following approvals issued by the Federal Highway Administration:

| | |
|---------------|--------------------------|
| <i>WZ-2A</i> | <i>January 28, 1998</i> |
| <i>WZ-110</i> | <i>March 22, 2002</i> |
| <i>WZ-140</i> | <i>February 28, 2003</i> |

These approvals certify that our work zone products comply with the NCHRP-350 crash standards and are acceptable for use on the national highway system.

In addition to being crashworthy, we are also concerned with the functionality and condition of a device after it is impacted. Extensive testing has shown that our spring loaded mechanism consistently returns the device to its' pre-impact position providing continuity in a work zone and reducing maintenance. Impact Recovery Systems devices are not only certified crashworthy but are durable and can lower the life cycle costs of your traffic control devices.

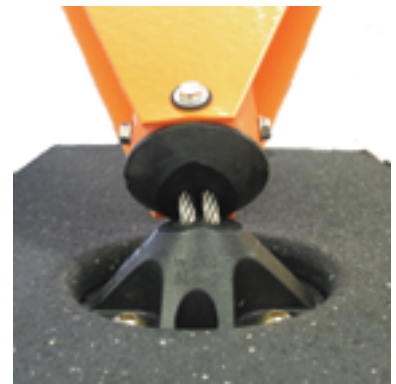


How IRS Works

And why the IRS System is the best on the market!



The heart of the system is a unique reactive spring with the strength to support not only a flexible post, but an information panel as well. This reactive unit gives upon impact and is designed to reorient the panel towards traffic. The introduction of the new “Anti-Twist Feature” assures the sign will return to its’ original position after impact.



“Anti-Twist Feature”



The spring can be affixed to both permanent and portable bases. We stock a full line of replacement parts should any component become lost or damaged.

IMPACTrecovery

S Y S T E M S

www.impactrecovery.com

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Other U.S and International patents pending.



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