INSIDE:

STOP CARRYING!
Transcend™ with **PowerTraxx®**
powers up and down stairs

VRpatients™
The future of EMS education: Virtual Reality

SPOTLIGHT:
POWER X1™
Elevate your expectations!

FALL 2021

⬢FERNO® SOLUTIONS GUIDE

TOGETHER
WE CAN TRANSFORM
EMERGENCY CARE

SOLUTIONS GUIDE
FALL 2021

Contents

Contact Us:

FERNO.COM | 877.733.0911

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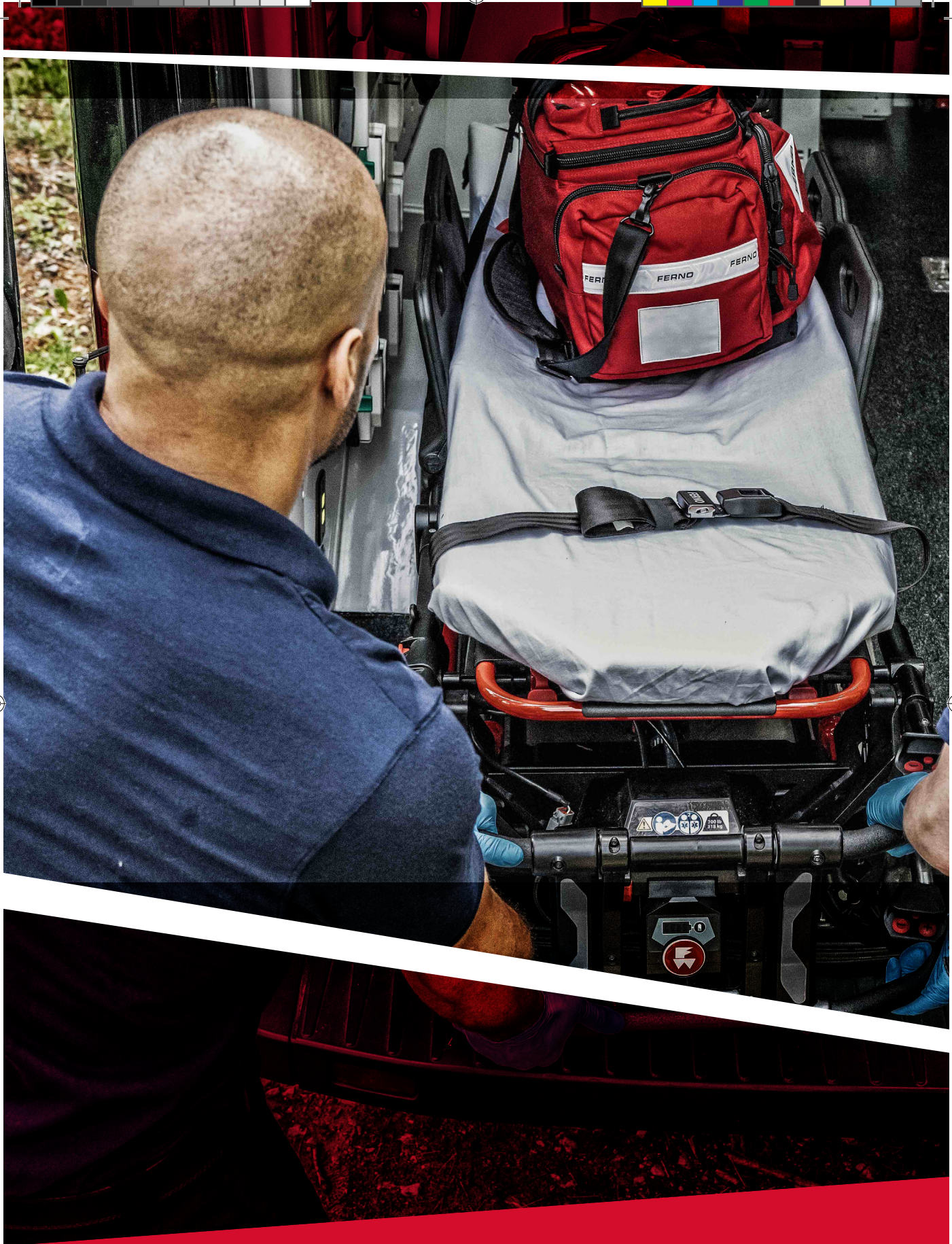
Together,
we can transform emergency care.

At FERNO, our vision is to **transform the delivery of emergency care in the ambulance and on scene**. We partner with EMS professionals and innovators from all over the world to develop **Medic**, **Vehicle**, and **Intelligence** solutions that increase safety for patients and providers and improve the performance of EMS operations.

INNOVATION INSPIRED BY YOU.

You are passionate about the work that you do. But—let's face it—it's not easy. Everyday tasks in EMS put you in harm's way. Our innovations are designed to reduce patient-handling injuries and the risks and hazards you face in the back of a moving emergency vehicle. With solutions like the **POWER X1 Ambulance Cot**, the **Transcend Stair Chair with POWERTraxx**, and the **iNTRAXX Integrated Vehicle Component System**, you can stop lifting, stay seated, and deliver patient care more safely and effectively.

LET US SHOW YOU HOW.

POWER X1™

POWER X1   0015807

As call volumes rise and patient weights increase, the EMS profession is becoming even more demanding. The **POWER X1 Ambulance Cot** was developed to help you keep up. Tested to over 10 years of service, it will do so for years to come.

Featuring several of the most advanced technologies available, the POWER X1 gives you more power, stability, speed, and maneuverability than the leading competitive powered ambulance cot.*

More POWER: The ENDURACharge Power System on the POWER X1 provides a 700-lb unassisted lift capacity to help you stop lifting, even with bariatric patients. With 69% more power than the leading competitive powered cot, you can be sure that it's ready for every call.

More STABILITY: TipRESIST Advanced Stability Technology keeps you and your patients safe with best-in-class tip resistance, including 82% more stability at transport height than the leading competitor.

More SPEED: The RAPIDLift Retraction System allows you to move more quickly by delivering 40% faster leg extension and retraction than the competition.

More MANEUVERABILITY: Navigate tight spaces more easily thanks to the ERGOFrame Flexible Positioning system, which gives you 9% more maneuverability than the leading competitor.

Cross-Compatibility: The POWER X1 is cross-compatible, meaning that it is designed for use with a variety of cot fastening systems—including both FERNO and Stryker® solutions. (See **page 9** for fastening system compatibility.)

*Stryker® Power-PRO™ XT

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69%
MORE POWER

113 CYCLES* WITH 250 LB PATIENT PER CHARGE

ENDURACHARGE™
POWER SYSTEM

40%
MORE SPEED

1.4 SECOND EXTENSION & **2 SECOND** RETRACTION

RAPIDLIFT™
RETRACTION SYSTEM

- **SAE J3027 compliant** for patient and provider safety
- **Bariatric solution** with 700 lb unassisted lift capacity
- **Offers true cross-compatibility;** designed for use with FERNO and Stryker® cot fasteners**
- **Tested to 10+ years of service** in a controlled environment
- **Innovative Cycle Tracker**™ records usage to help you keep up with maintenance and extend equipment life
- **2-Year Warranty** (Ask your FERNO representative about our extended service agreements)

9%
MORE MANEUVERABILITY

SHORTENS **22"** TO A MINIMUM LENGTH OF **58"**

ERGOFRAME™
FLEXIBLE POSITIONING

82%
MORE STABILITY

AT TRANSPORT HEIGHT & **52% MORE OVERALL**

TIPRESIST™
ADVANCED STABILITY TECHNOLOGY

- **SAE-compliant FERNO X-Restraints** are color-coded for ease of use
- **Lithium-ion** battery offers longer charge cycle life and continues operating in extreme temperatures
- **ICS® Integrated Charging System** (available with PRO F1 Universal Cot Fastener) eliminates battery management
- **Battery charge indicator** helps you quickly check battery status

WE CAN OVERCOME ANY OBSTACLE

SAE J3027 COMPLIANT
26 g
CERTIFIED

STANDARD Features
- Equipment Hook
- Bolster Mattress
- Shock Frame
- Foot-end Wheel Locks
- Foot-end Pull Handle
- FERNO X-Restraints
- Fold-down Sidearms
- Antler and Rail Compatibility

(See **page 34** for all available accessories.)

*One cycle equals one full lift and one full lower.
**See page 9 for compatible fasteners.
All data gathered through industry standard testing in a simulated environment.

PRO F1™

PRO F1 Base Model without ICS	PROF1UFP
PRO F1 w/ ICS and DC cable	PROF1UFPDC

SAE J3027 COMPLIANT
CERTIFIED
26g

The **PRO F1 Universal Cot Fastener** is the first truly SAE-compliant cross-compatible cot fastening system.

Its universal design accommodates the:

- FERNO POWER X1 Ambulance Cot
- Stryker® Power-PRO™ XT
- Stryker Performance-PRO™ XT

CROSS-COMPATIBLE SYSTEM

The dynamically crash-tested PRO F1 allows you to exchange cots between vehicles as needed, a significant benefit if your organization has a mixed fleet or wants to be prepared for mass-casualty scenarios.

- **SAE J3027 compliant** for patient and provider safety
- **Up to 300% more loading flexibility** when you combine POWER X1 with PRO F1
- **One-touch foot-end release** quickly and easily releases ambulance cot from the PRO F1
- **Optional Integrated Charging System (ICS) Kit** available
- **Optional Remote Charge Indicator** available
- **Linear guide system** facilitates loading and unloading, even on an angle, reducing lateral cot drift

Be SAE Compliant. Stay Safe.

Data shows that ambulance transport carries a higher risk of injury than other industries.* This inspired a team of industry and federal partners, including NIOSH, NIST, and DHS, to develop new ambulance safety standards. The result is new recommended practices from the Society of Automotive Engineers (SAE) for testing the crash worthiness of ambulance cots (SAE J3027) and ambulance equipment (SAE J3043). The SAE's guidelines specify the equipment design parameters for occupants to survive a 30 mph vehicle crash (the equivalent of a 22.5g forward impact and 26g side impact).

*HE Wang et al. Ambulance Stretcher Adverse Events.
Qual Saf Health Care 2009;18:213-6.

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CROSS-**COMPATIBILITY**

Our latest innovations feature cross-compatible designs that increase flexibility while maintaining ultimate safety and performance.

POWER X1 Ambulance Cot *is compatible with the following cot fasteners:*
• PRO F1 Universal Cot Fastener*
• Stryker Performance-LOAD® Cot Fastener*
• FERNO antler-and-rail cot fasteners
• Stryker antler-and-rail cot fasteners

PRO F1 Universal Cot Fastener *is compatible with the following ambulance cots:*
• FERNO POWER X1*
• Stryker Power-PRO XT**
• Stryker Performance-PRO XT**

Universal Floor Plate *is compatible with the following cot fastening systems:*
• FERNO cot fastening systems
• Stryker cot fastening systems

BENEFITS OF CROSS-COMPATIBILITY

Transition Cots as Needed
• Switch your POWER X1 between ambulances in your fleet that have compatible cot fasteners.
• Exchange any compatible cot between vehicles in your fleet that have the PRO F1.

Mass Casualty Readiness
• The POWER X1's cross-compatibility makes it an excellent cot for mass casualty scenarios.

Easy, Cost-Effective Upgrades
• *Ready to replace your fasteners but not your cots? Or vice versa?* The PRO F1 may be compatible with your current cots and the POWER X1 may be compatible with your current fasteners.

When you choose SAE-compliant solutions, you choose ultimate safety. To easily identify which FERNO products have been dynamically-tested and determined to be SAE compliant, look for these badges:

SAE J3027 COMPLIANT CERTIFIED **26g**

SAE J2917 COMPLIANT CERTIFIED **22g**

SAE J3043 CRASH COMPLIANT

*When combined with the PRO F1 Compatibility Kit.
**When configured for the Stryker Performance-LOAD or Power-LOAD.

⊕FERNO SOLUTIONS GUIDE **9**

ENDURA*CHARGE*
POWER SYSTEM

69% More Power with the POWER X1

Jacob Cartner and Cameron deRoziere

When powered cots were introduced into the EMS market over a decade ago, portable battery technology was still being developed. EMS professionals rely on a consistent, long-lasting charge to perform routine duties. As new technologies emerge, the duration between required charging cycles should increase, resulting in greater call efficiency. The goal of this study was to evaluate the number of cycles that two commercially available batteries would achieve off of a full charge at various patient weights.

Methods

A FERNO POWER X1 Ambulance Cot and ENDURACharge™ Battery and a Stryker® Power-PRO™ XT and SMRT Battery were tested. Each battery was charged using the manufacturer's supplied charger on a 120 VAC wall receptacle until a full state of charge (SOC) was achieved. Each battery was placed into the respective cot, both of which were in the fully lowered position. A custom button engagement mechanism designed to simulate the human finger was affixed to each cot and depressed the plus (+) button until the cot reached its maximum height. The minus (-) button would then be depressed until the cot returned to the fully lowered position. This comprised one (1) cycle. Sensors were placed at the fully lowered and maximum height positions, and the button would cease depression if the sensors had not been tripped; this indicated that a battery had discharged to an extent that would not lift the cot. Triplicate trials were undertaken at four different patient weights: unloaded, 250 lbf (1112 N), 500 lbf (2224 N), and 700 lbf (3114 N). Batteries were charged until a full SOC was achieved after each trial. Testing was conducted in controlled environmental conditions at ambient room temperature and humidity. Data was reported as average cycles until battery depletion. A Fisher's test for variability followed by a two-tailed Student's t-test for differences between means with significance declared at $p < 0.05$ at 95% confidence was used.

Results

For the unloaded cot, the average cycles to battery depletion of the FERNO ENDURACharge Battery was 64% greater than the SMRT Battery ($p < 0.05$). Under a 250 lbf (1112 N) patient load, the ENDURACharge demonstrated a 69% greater number of cycles until depletion ($p < 0.05$). At a 500 lbf (2224 N) patient weight, there was an 87% increase in the number of cycles for the ENDURACharge ($p < 0.05$) over the Stryker SMRT Battery.

At a patient weight of 700 lbf (3114 N), the Stryker SMRT Battery would not lift the cot for any of the three trials, while the ENDURACharge achieved 41 cycles (Figure 1).

Conclusion

The number of cycles achieved from a fully-charged battery used in conjunction with an EMS cot has significant impact on patient transport, call efficiency, medic satisfaction, and, at times, patient and medic safety. Reducing the number of times a battery must be charged during a typical EMS shift ensures patients receive timely, dependable care when they need it most. With a 250-lb patient, the FERNO ENDURACharge lasted 69% longer than the Stryker SMRT battery. On average, across all patient weights, it lasted 80% longer.
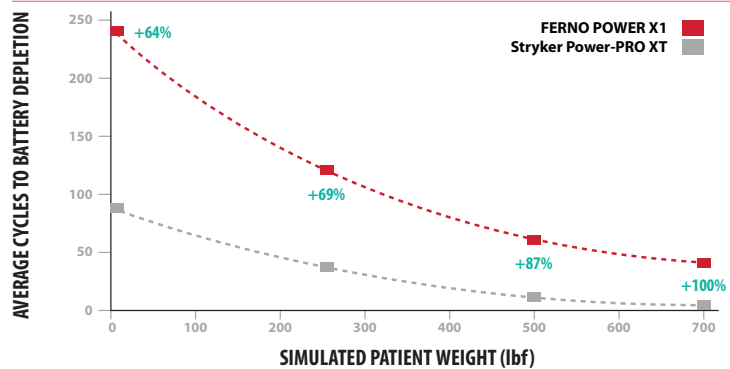

Fig. 1: Cycles per battery charge at each tested weight.

Funding made easy.

It's your job to protect your crews and save lives. The last thing you should have to do is worry about whether or not you have the right piece of equipment to do the job. With tight budgets and aging equipment, good funding options are the key to having the best tools for your staff and operations.

FERNO Financing Services

FERNO Financing Services helps you provide your teams with the latest equipment and technology, with interest rates and payment plans that fit your budgetary needs.

To help you meet almost any need, FERNO Financing Services has a full range of options, including:

- Terms from one to five years with access to low interest rates
- Finance equipment purchases as low as $5,000
- Finance multiple pieces of equipment through one payment
- $1 buy-out so you own equipment free-and-clear at the end of term
- Customized structures to meet your specific budget requirements

Learn more at **ferno.com/financing**

Trade-Ins

FERNO can accept trade-ins for used cots and stair chairs from both FERNO and its competitors. Talk with your FERNO Sales Professional about terms, conditions, and allowances.

FERNO Grant Assistance

When financing isn't an option, FERNO's Grant Assistance Program is available to help you successfully navigate the grant writing process and secure available monies for your critical operations. The FERNO Grant Assistance Program is a free service for qualified FERNO EMS and Fire/Rescue customers. Our expert grant writers specialize in EMS funding and know how to find and secure public and private grant funding for your operations.

To get started with our Grant Specialists, fill out our form at **ferno.com/grant-assistance**

Free On-Site Demonstrations

Experience the FERNO difference with a free on-site demonstration of any of our cots or chairs. Our sales professionals are ready to come to you so you can experience the benefits that our solutions deliver.
Call: 877.733.0911

iNX

Integrated Patient Transport & Loading System™

2014 EMS WORLD INNOVATION AWARDS

JEMS HOT PRODUCT EMS TODAY 2015

SAE J3027 CERTIFIED COMPLIANT 26 g

Stop lifting.

Everyday tasks in EMS put you under a lot of strain. We built the iNX Integrated Patient Transport & Loading System to reduce your risk of injury by helping you **stop lifting.**

Raise, lower, load, and unload patients with the push of a button. With a 700 lb unassisted lift capacity, the iNX has your back on every call—including bariatric calls. It also offers infinite configurations, allowing you to navigate through diverse environments and provide clinical care in multiple positions.

Move up and over obstacles with confidence. The independent X-Frame design of the iNX allows you to overcome obstacles with your thumb, not your back. Move effortlessly through challenging environments.

See and be seen. The Integrated Lighting System features continuous and flashing modes to light the way and keep you visible in dark or hazardous conditions.
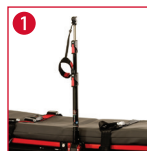
	iNX for iNLINE Fastener	0000INXINLIN
	iNX for iNLINE w/ Directional Wheel Locks	0000INXINLINDWL
1	IV Pole	LAIV3SCL
2	PacRac®+	FWEPRIT
3	SofNet	0822453
4	SX Surface Xtender	FWESX
5	Directional Wheel Locks	FWECDL

POWERFUL, STABLE PATIENT HANDLING

- **Integrated loading system** effectively eliminates lifting
- **Dual, powered actuators** maximize tip stability and lift patients weighing up to 700 lb
- **Automatic High-Speed Extend & Retract feature** reduces load and unload time

INTELLIGENT CONTROLS & OPERATION

- **Simple, one-touch operation** helps you stay focused on patient care
- **Programmable load height** adjusts to match the height of your ambulance's floor
- **LCD Display with Battery Level Indicator** provides system status and operational cues

PATIENT CARE, COMFORT & SECURITY

- **Patient surface is level at all heights** to enhance procedural care
- **Infinite positioning** allows you the flexibility to provide specialized clinical care
- **Universal Accessory Rail** enables you to attach accessories in any position

SAE J3027 COMPLIANT **26g** **CERTIFIED**

iNLINE Cot Fastening System

The iNLINE Cot Fastening System is designed to protect you and your patients from the harm you face in the back of a moving emergency vehicle.

The dynamically crash-tested iNLINE provides full SAE compliance when used with the **iNX Integrated Patient Transport & Loading System** and patient restraints.

- **In-line design** guides the cot when loading and unloading and eliminates the need to steer
- **Integrated Charging System (ICS®)** provides in-fastener charging to the iNX
- **68° loading approach window** gives you more loading flexibility
- **One-touch tab** allows for easy release of the iNX from the iNLINE with the push of a button

iNLINE (86")	ILFS86UFPDC
iNLINE (95")	ILFM95UFPDC
iNLINE (102")	ILFL102UFPDC

Ask about Floor Plate Adapter Kit when ordering iNLINE

35XST PROFlexx® Manual X-Frame Cot

Superior stability and safety when transferring and transporting patients. Enhanced stability reduces the chances of tips and other situations that can cause injury to patients and medics.

- A fixed front leg in the X-Frame and a rigid C-channel running the length of the cot creates minimal flex

- EZ-Pull™ Release System reduces wrist strain and allows you to assume the weight before lifting

- 1,100 lb load capacity, 360° turning radius in the lowest position, and LBS Jr. Bariatric Board create a versatile bariatric solution

35XST PROFlexx – Red	0015790
35X Replacement Mattress	0313920
35X Replacement Mattress w/ Transfer Board Pocket	0314028
Transfer Board	0107992
35X Foot-End O$_2$ Bracket	0819958

Stat Trac® Cot Fastening System for 35XST

- Full SAE compliance when combined with 35XST PROFlexx

- Straight in-track design guides the cot into the ambulance, reducing strain

- Accommodates extreme loading and unloading approach angles

Model 185 Stat Trac (86")	0567025
Model 185 Stat Trac (91")	0567063
Model 185 Stat Trac (96")	0567038
Model 185 Stat Trac (103")	0567032

Protecting your investment.

FERNO wants to ensure that you get the most out of your equipment. We offer a full range of options and services to help you protect your investment.

Preventive Maintenance
A regular Preventive Maintenance (PM) schedule ensures that your FERNO products are in safe, working order and can extend the service life of your equipment and lower your total cost of ownership.

FERNO Cot Care®
Our Cot Care program provides agencies with comprehensive training for self-service maintenance of FERNO ambulance cots, stair chairs, and other select equipment. The Cot Care program features a three-day repair program and a one-day maintenance program, both of which certify staff to perform maintenance for their agency. The courses can be held at our place or yours!

EMSAR
Preventive maintenance, maintenance service, and repair service is available nationwide through EMSAR, FERNO's authorized service provider. Skilled EMSAR service technicians are available in your area and come to you, eliminating any hassle and minimizing downtime.

Limited Warranty
FERNO cots, chairs, fasteners, and iNTRAXX components come with a standard two-year limited warranty (all products sold new). Our external finishes and soft goods (mattresses) are warranted for 90 days.

All repairs are warranted for 90 days from date of repair. FERNO retains the option to repair, replace, or refund defective product.

Trauma Bags come with a Limited Lifetime Warranty.

Service Agreement Options
Essential Service Plan
Parts, labor, travel, one annual preventive maintenance inspection, unscheduled service and product health report. Replacement parts do not include mattresses, mattress covers, restraints, batteries*, accessories, or damage due to misuse.

Premium Service Plan
Parts, labor, travel, two annual preventive maintenance inspections, unscheduled service and product health report. Replacement parts do not include mattresses, mattress covers, restraints, batteries*, accessories, or damage due to misuse.

Battery Plan
Battery and charger servicing and replacement.**

Preventive Maintenance Plan
One annual preventive maintenance inspection. Inside warranty years: includes parts, labor, travel for repairs identified. Outside warranty years: does not include parts, labor, and travel for repairs identified.

* Batteries are included if accompanying Battery Plan is purchased.
** Must be purchased in conjunction with either Essential or Premium Plan.

INTEGRATED LED SCENE LIGHTS ILLUMINATE SURROUNDINGS TO HELP NAVIGATE DARK STAIRWELLS OR HALLWAYS

TRANSCEND™ + POWERTRAXX®

Stop carrying.

The Transcend™ Stair Chair with PowerTraxx® provides maximum safety and power when transporting a patient up or down stairs. Its electronically-controlled motor, direct drive transmission, and powered tracks push and pull patient loads of up to 550 pounds. The chair and track system carry the weight, increasing patient safety and reducing operator fatigue and risk of injury.

POWERCLIMB
with PowerTraxx technology can transport patients up and down an average of 40 flights of stairs with the touch of a button.

DESCENT**CONTROL**
limits track speed during descent or ascent to a safe, manageable level.

EZ**GLIDE®**
provides a comfortable ride on almost any surface with 60% less shock than competitive stair chairs.

STAIR**BRIGHT**
offers integrated LED scene lights to illuminate surroundings up to 1 flight of stairs with two brightness options.

❶	Transcend w/ PowerTraxx	0731403
❷	Transcend Stair Chair	0731402
	Headrest	0822023
	Folding Rear Lift Handles	0822028
	Armrests	0822052
	Restraint Set	0822024
	Kwik Klip Restraint System	0314002
	Wall Mount	0822073
	Model 44 Rescue Seat	0313070

STANDARD FEATURES
- 5-Position Telescoping Lift Handles
- Lift Bar
- Molded Seat and Back Panels
- IV Bag Clip
- 5 in Front Swivel Wheels
- 8 in Rear Wheels
- Patient and Ankle Restraints
- Scene Lights (PowerTraxx Only)

OPTIONAL FEATURES
- 5-Position Extending Lift Bar
- Folding Rear Lift Handles
- Folding Footrest
- Wheel Locks
- Armrests
- Glide Bar

PRO 28Z Ambulance Chair Cot
The PRO 28Z is a versatile solution that is ideal for confined environments. It transforms from a cot to a chair, helping you easily maneuver through tight hallways, narrow staircases, and small elevators without transferring the patient. It has a 700-lb load capacity and is compatible with the SAE-compliant Ferno INLINE® Cot Fastening System.

PRO 28Z Base Model   **0012826**

ACETECH®

Integrated Vehicle Intelligence System

Intelligence and insight when it matters most.

Now, you can **take control** of every aspect of your fleet operations.

ACETECH is a **fully-integrated and customizable** vehicle intelligence solution for your emergency services fleet. It provides a steady stream of **real-time** information on operational performance, driving behaviors, response times, and more.

ACETECH hardware modules capture data and send it to the ACETECH Cloud Server, where it is integrated into over 30 customizable web-based ACETECH Insight Reports that can be accessed through your desktop and CAD, and even via text alerts and email.

Make better decisions for your operations, increase the **health and performance** of your organization, and address unsafe driving behavior before it becomes a bigger, more costly problem.

ACETECH INSIGHT REPORT DATA-STREAMS INCLUDE

- **Real-Time GPS Location Speed**
- **Driver Log-in**
- **G-Force Accelerometer**
- **OEM Odometer and Fuel Level**
- **OBDII Engine Diagnostics**
- **Battery Monitoring**
- **Emergency Light and Siren Detection**
- **Brake, Turn, Signal, and Reverse Usage**

For complete ACETECH information, visit
acetechsolutions.ie

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Immersive virtual reality training for improving patient care and enhancing clinical outcomes.

VRpatients is a physiologically-based clinical training platform that immerses a healthcare provider or first responder into actual case scenarios, allowing them to assess, diagnose, and treat patients in real-time. Available through a web-based platform or a full clinical simulation experience with virtual reality goggles, VRpatients allows first responders to test and expand their clinical skills and reduce the likelihood of critical performance failure.

Customizable Case Scenarios
VRpatients comes with an initial package of cases and environments that can be easily modified based on your desired outputs. Alternatively, choose to build your clinical case.

Objective Assessment of Cases
VRpatients takes trainer subjectivity out of assessing performance. The platform reacts to the chosen course of treatment in real-time, providing a consistent experience from user to user and an objective assessment of their treatment decisions.

Internet Accessible
VRpatients can be accessed from any computer where wi-fi is available.

Game-Based Learning Interface
Similar to a flight simulator for a pilot, VRpatients uses game methodology preferred by modern learners at a fraction of the cost.

Assess Clinical Competency
Better assess the preparedness of new staff or sharpen the skills of veteran staff. Easily export performance results into your existing Learning Management System (LMS).

Improved Patient Outcomes
An experiential learning environment evokes real emotion and stress, resulting in a higher acquisition of knowledge. It is the closest you can come to working on a real patient, without the added cost and risk.

For complete VRpatients information, visit
vrpatients.com

iNTRAXX® **Integrated** Vehicle Component System™

The iNTRAXX Integrated Vehicle Component System **provides crash-ready safety** for crews and patients and efficiency that reduces operating costs for agencies.

iNTRAXX components secure loose equipment inside the ambulance, within reach of seated, restrained EMS professionals. This reduces the risk of death and injury during crashes, sudden stops, or hard maneuvers while still enabling EMS professionals to deliver care.

The modular system features wall-mounted tracks that secure SafePak Equipment Mounts, SafePak Supply Bags, SafeCab Storage Cabinets, and other equipment. iNTRAXX modularity supports better workflows and inventory management, which lowers operating costs.

- **Allows providers to easily access supplies**, even when safely seated and restrained

- **Dynamically crash-tested and fully compliant** with the SAE J3043 requirement that keeps equipment secure during 26g impacts
  - EN1789:2007+A2:2014
  - AS/NZS 4535:1999
- **Customizable** based on equipment and configuration needs
- **Equipment and supplies can be removed or repositioned** to adapt a vehicle to different response scenarios
- **Components are removable and power washable** for thorough, easy cleaning and decontamination
- **Scalable** to any size vehicle

"**The system is so interchangeable** that the sky's the limit. It gives you the flexibility of making your truck, your truck."
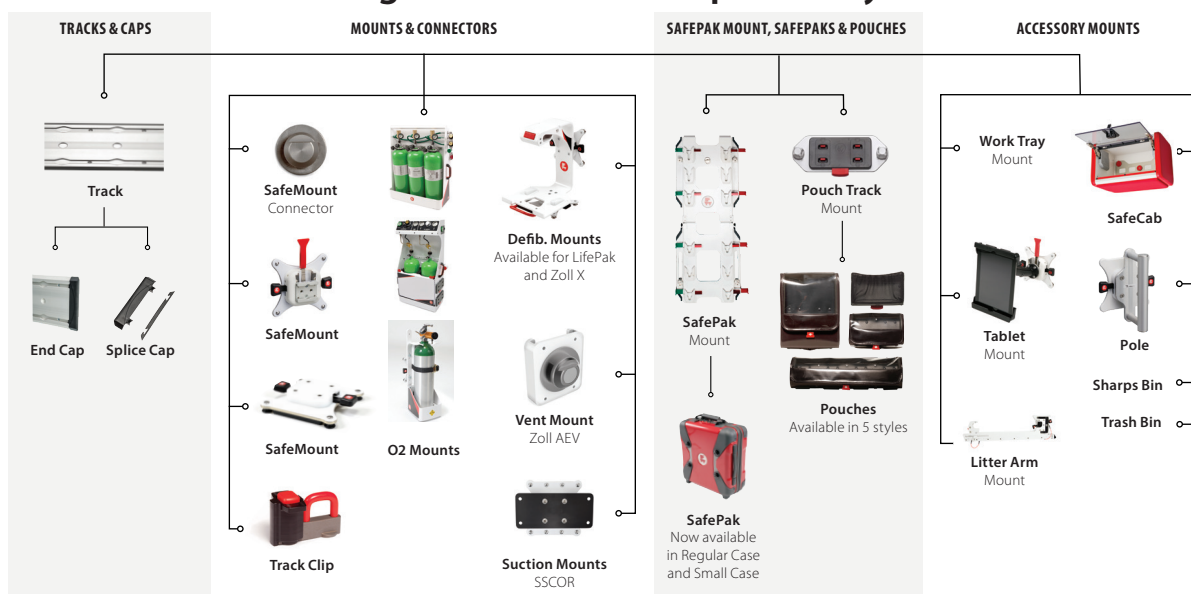
MIKE McCART | DEPUTY CHIEF | PULASKI COUNTY, MO AMBULANCE DISTRICT

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The iNTRAXX system offers a variety of organization options for safely storing supplies in the ambulance. Choose which solutions work best for your organization and arrange them according to your specific needs.

#	Product	Code
1	**iNTRAXX Long Track, 3.28 ft (1m)**	**0480001**
2	**iNTRAXX Short Track, 1.08 ft (340 mm)**	**0480062**
	SafeMount, iNTRAXX	0480010
	Track Clip	0480008
	Defib Wall & Surface Mount, Lifepak 15	0480015
3	**Defib Wall Mount, ZOLL X**	**0480019**
	ZOLL AEV Vent Mount, iNTRAXX	0480038
	Laerdal® LSU Mount, iNTRAXX	0480042
	SSCOR Suction Mount	0480043
4	**SafePak Mount, iNTRAXX**	**0480022**
5	**SafePak Small, Gloss Red**	**0480023**
	SafePak Regular, Gloss White	0480060
6	**Pouch Track Mount, Single**	**0480031**
7	**Pouch Track Mount, Dual Vertical**	**0480032**
	Pouch Track Mount, Dual Horizontal	0480083
	SafePak Pouch, Small	0480026
	SafePak Pouch, Medium	0480027
	SafePak Pouch, Medium Mesh	0480092
8	**SafePak Pouch, Large Vertical**	**0480028**
9	**SafePak Pouch, Large Horizontal**	**0480029**
	SafePak Pouch Divider	0480072
	Tablet Mount, iPad®, iNTRAXX	0480041
	Litter Arm, Rotating	0480036
10	**SafeCab, Small**	**0480085**
	Pole Mount, Single	0480080

Integrated Vehicle Component System

TRACKS & CAPS	MOUNTS & CONNECTORS	SAFEPAK MOUNT, SAFEPAKS & POUCHES	ACCESSORY MOUNTS

Track

End Cap **Splice Cap**

SafeMount Connector

SafeMount

SafeMount

Track Clip

O2 Mounts

Defib. Mounts Available for LifePak and Zoll X

Vent Mount Zoll AEV

Suction Mounts SSCOR

SafePak Mount

SafePak Now available in Regular Case and Small Case

Pouch Track Mount

Pouches Available in 5 styles

Work Tray Mount

Tablet Mount

Litter Arm Mount

SafeCab

Pole

Sharps Bin

Trash Bin

Protect your patients and crew.

During an impact or sudden directional change, an unsecured defibrillator may become a dangerous projectile, potentially resulting in severe injury or death to those inside the patient compartment of an ambulance. Increase the safety of your patients and crews during transport with an SAE-compliant **Surface Defibrillator Mount** from FERNO®.

Surface Defibrillator Mounts
- Crash-safety: SAE J3043, EN1789:2007+A2:2014, and AS/NZS 4535:1999 compliant
- Quick-release mechanism allows for easy grab-and-go
- Designed to hold accessory bags, no need to remove before locking back in
- Swivel base provides flexibility and easy positioning

❶ LP15 Swivel Mount System   0001014
- Compatible with LIFEPAK® 15 Defibrillator, with or without case
- Adaptor block securely attaches LP15 Defibrillator to the mount
- Comes complete with a short section of track

❷ Zoll X Series Swivel Mount System   0001020
- Compatible with Zoll® X Series® Defibrillators and accommodates Zoll X Soft Case (without rear pouch)
- Comes complete with a short section of track

❸ D360 Defib Swivel Mount System   0480156
- Compatible with the ProPaq® MD Defibrillator and Zoll X Series Defibrillators (accommodates Zoll pouch systems)
- Low profile design is ideal for placement in tight spaces, such as under cabinets
- 360° swivel design
- Can be mounted on a short section of track; however, this mount does not require track

Other defibrillator configurations available with the iNTRAXX product solution.

The FERNO$_2$® line of emergency oxygen and airway equipment provides high quality, dependable solutions for pulmonary resuscitation, oxygen administration, and airway management.

iNTRAXX OXYGEN SYSTEM

❶	iNTRAXX Oxygen System	0480126
	iNTRAXX Oxygen System w/ Pressure Gauge*	0480158

Carbon Fiber O$_2$ Cylinders

	EE-Lite w/CGA 870 post valve	T10210
❷	EE-Lite 3K O$_2$ Cylinder	T10211-3P
	EE-Lite w/540 Post Valve	T10211
	DD-Lite® w/870 Post Valve	T10205
	DD-Lite w/540 Post Valve	T10206

Aluminum O$_2$ Cylinder

❸	M60 Aluminum O$_2$ Cylinder	T10220-12

Regulators

	ORO$_2$ Model 804 Regulator	804-0
	ORO$_2$ Model 839 Regulator**	839-0

O$_2$ Flow Control Valve

	Model 901 Flow Control Valve***	T21901A

O$_2$ Conserver

❹	Model 301 HFOC Oxygen Conserver	T25301
	HFOC Adapter****	2522021

Bag Valve Masks

|		
❺	Adult Disposable BVM	T30533
	Child Disposable BVM	T30532
	Infant Disposable BVM	T30531

* Includes pressure transducer
**For remote cylinder use
***Includes BARB outlet
****Adapter to attach HFOC to bag valve resuscitators (25.6 mm I.D. x 30.8 mm O.D.)

A new standard of pediatric care.

The **iNX Incubator Transporter** introduces a new standard of care for neonatal transport. Combining the revolutionary technology of the iNX Integrated Patient Transport & Loading System and the incubator of your choice, the iNX IT offers industry-leading safety for both patient and provider.

- **Each iNX IT is customizable** to your specific air or ground transport needs and adapted to carry your choice of incubator

- **Capable of carrying incubators and associated equipment** with ease due to a 700-lb unassisted load capacity

- **Patient surface is level** at all heights to enhance procedural care

- **Lithium-ion battery-powered system** effectively eliminates lifting during transport, protecting operators' backs

- **Integrated Charging System (ICS®)** provides in-fastener charging to the iNX IT
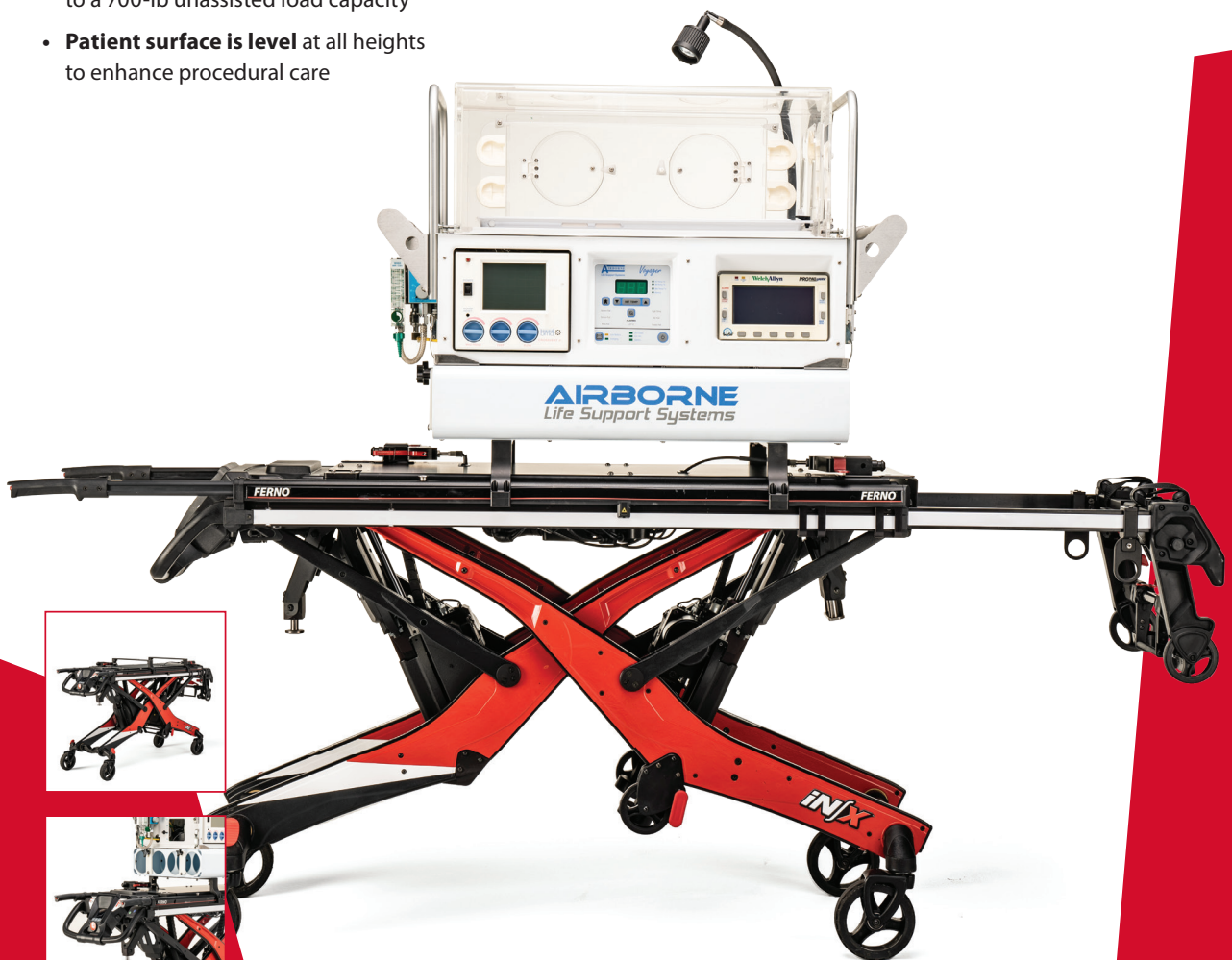
For complete custom product information, please contact FERNO Aviation:

770.521.1005

Any challenge met.

The most difficult calls are for our smallest patients. No parent or provider wants to see a child hurt, and transporting them can be difficult without the proper equipment. Be prepared for pediatric transport with FERNO solutions.

Pediatric Transport & Immobilization
The Pedi Mate® Restraint Series provides a quick and efficient way to safely secure pediatric patients from 5-100 lb to almost any cot without having to purchase additional equipment or seats.

- Each restraint is fully adjustable with a five-point harness system that securely holds the patient
- Rolls up compactly for convenient storage and easy deployment
- Vinyl construction is nontoxic and easy-to-clean

❶	Pedi Mate + (for patients 10-100 lb)	0314115
❷	Neo-Mate (for patients 5-14 lb)	0314116

NASEMSO pediatric transport recommendations call for all devices, or combination of devices, to cover a weight range of between 5 to 99 pounds (2.3-45 kg). Combining the Neo-Mate with Pedi Mate+ creates a covered weight range of 5-100 lb, supporting the safest transport possible for a wide range of ages and sizes.
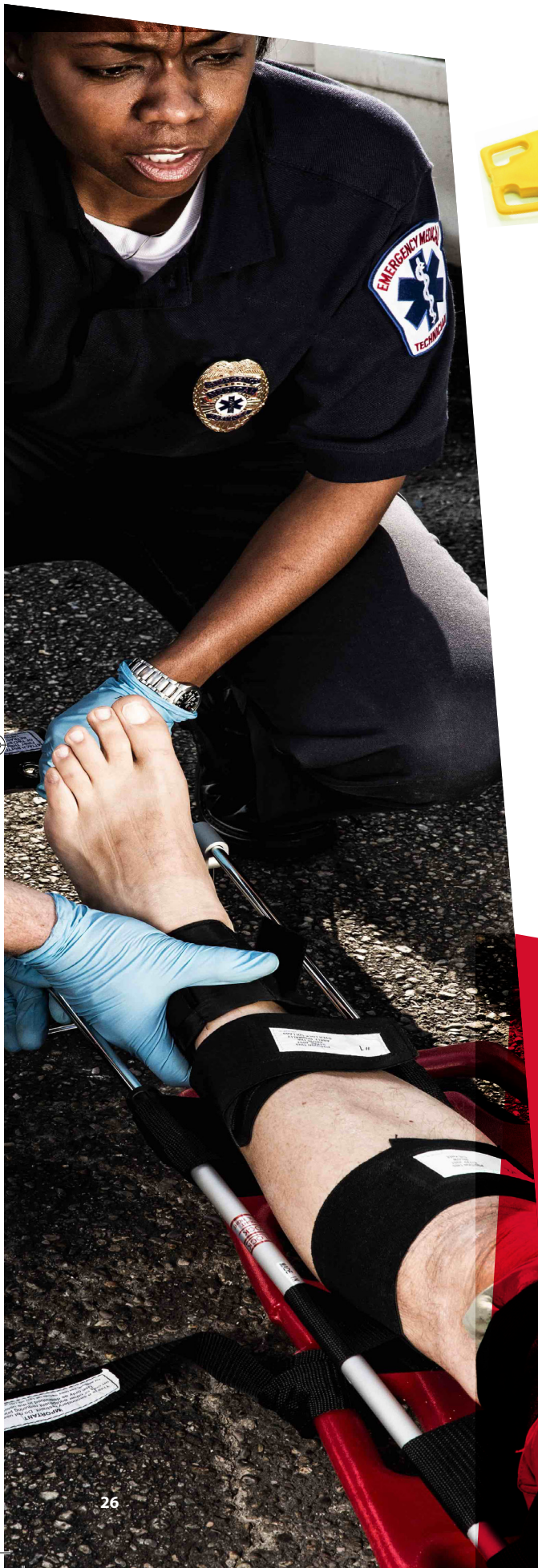
MedKids® Pedi-Sleeve	0313923
MedKids Baby Board	0313922
Pedi-Pac®	0313065

Najo® Backboards

The Najo family of backboards is ideal for traditional immobilization. The one-piece boards are strong, lightweight, impervious to fluids, easy to decontaminate, and 100% radiolucent. Choose from several models, including RediHold® or Lite Board™. Available with or without pins.

Millenia™ Backboards

With a contoured shape and easy-slide features, Millenia Backboards allow you to smoothly and efficiently transport patients in any space. The lightweight boards are foam-filled and feature an easy-to-clean plastic shell. Available in 16- and 18-inch widths. 100% radiolucent.

Najo RediHold	275101105
Najo RediHold w/10 pins	275101205
Najo Lite Backboard	275201105
Najo Lite Backboard w/10 pins	275201205
Millenia Backboard – 16"	0107913
Millenia Backboard – 18"	0107917

FERNOTrac™ Traction Splints

When your patient has experienced a femur fracture, your every move can affect their comfort. FERNOTrac Traction Splints quickly alleviate pain and reduce the possibility of vascular and nerve damage.

• In-line, mechanical traction relieves pain and reduces the risk of further injury

• All straps have simple, step-by-step instructions sewn directly onto them

• Available in adult and pediatric sizes, or as a kit

FERNOTrac Adult Traction Splint	**0822182**
FERNOTrac Pediatric Traction Splint	0822181
FERNOTrac Traction Splint Set — 1 Adult & 1 Pediatric	0822183

Extrication and immobilization.

Challenging trauma calls require the right tools for fast, safe, and effective extrication and immobilization.

KED® PRO

The FERNO KED PRO helps you quickly and safely extricate the patient. It minimizes movements during extrication and patient movement that can cause further injury.

KED PRO   0314063

The Fastrap™ Quick Restraint System

Quickly secure patients to backboards and other devices with the Fastrap Quick Restraint System. The ten-point, six-strap system is sequentially color-coded and features hook-and-loop closures at the ends of the straps for fast, easy application.

Fastrap™ Restraint System   0313916
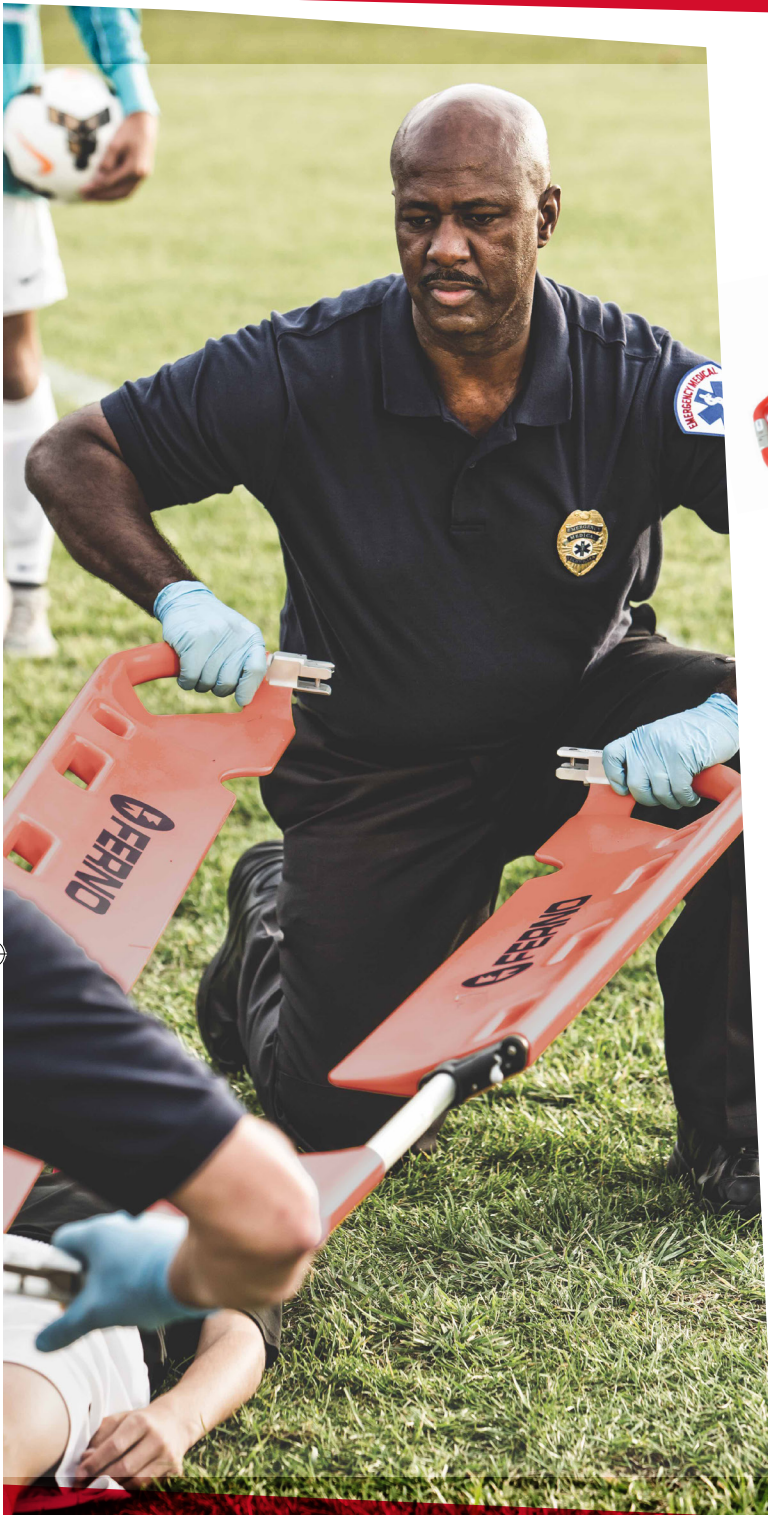
❶ **Universal Head Immobilizer**   0313855
❷ **WizLoc™ Cervical Collar (3/pack)**   0822074

Scoop™ EXL Stretcher

When extricating a patient with a suspected spinal injury, the goal is to minimize spinal movement. The FERNO Scoop EXL allows you to gently scoop up a patient without lifting or log rolling. It is proven to reduce movement of the patient's cervical spine.

• Supports a patient in the position found, reducing risk of further injury
• Narrow foot-end and split-apart design provide easier use in confined space immobilization
• Double-locking aluminum hinge at both ends allows either end or both ends to come apart
• Radiolucent

Scoop EXL (w/ Pins and Black Restraints)   00065EXLRED

Scoop EXL Extender Kit

Designed to widen the spread of a FERNO Scoop EXL to accommodate bariatric patients. Kit includes a pair of Twin Safety Lock® (TSL) extenders, three restraint extenders, and a storage pouch.

Scoop EXL Extender Kit   0832274

Trauma Bags

You carry a lot on your shoulders, and you need to be prepared with the right equipment to address any situation. FERNO Trauma and O_2 Bags provide multiple configurations and easy customization, helping you organize your supplies the way you want to. Each bag is built for years of use under all conditions and is backed by a limited lifetime warranty.

- INVISTA™ Cordura® construction, YKK® zippers, and dual-density, Plastizote® structural foam ensure long life and dependable performance

- Removable stiffeners and inserts allow custom configurations

- Concealed non-slip shoulder straps keep the bag on your shoulder

- Reflective labels provide nighttime visibility

- Replaceable bottom protects the bag and its contents from wet ground

- Bags available in red or blue

❶	5107 Professional Trauma Bag	0819787
	5108 Professional ALS Bag	0819790
❷	5111 Trauma/Air Management Bag II	0819797
❸	5113 First-In Trauma Bag	0819810

Mini Bags

|		
❹	5114 Professional Medication Mini-Bag	0819812
❺	5115 Professional Intubation Mini-Bag	0819815
❻	5116 Professional Intravenous Mini-Bag	0819818
❼	5117 Professional Trauma Mini-Bag	0819821

Rescue solutions.

Critical situations can occur in any environment. With FERNO rescue solutions, it's easier than ever to prepare for them. We offer a wide range of robust and reliable rescue equipment, including basket stretchers, lifting bridles, and more.

Model 71 Basket Stretchers
The Model 71 Basket Stretcher is durable and easy to handle, making it ideal for use in almost any rescue situation. Available in original one-piece, split, and non-metallic versions.

① Model 71 Basket Stretcher   0107972
Model 71-M Non-Magnetic   0107104
Model 71-S Two-Piece   0107973
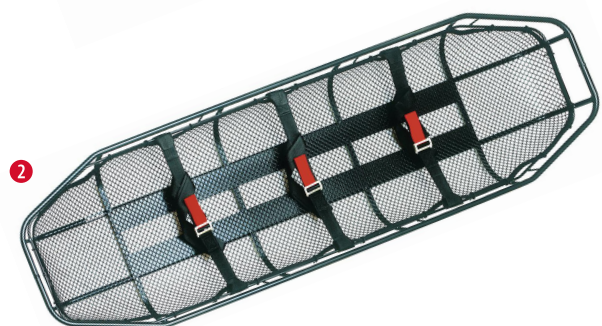
Gazelle Basket Stretchers
Cost-effective Gazelle Basket Stretchers have been tested to and beyond a 900-lb load capacity. They are incredibly versatile and available in Regular, Tapered, and Confined Space models.

② Gazelle Regular   110105
Gazelle Tapered   110106
Gazelle Confined Space   110107

Adjustable Lifting Bridle

Assists rescuers with securing and retrieving a patient in difficult terrain.

1	Adjustable Lifting Bridle (Hard Eye)	0313897
	Adjustable Lifting Bridle (Soft Eye)	0313898

471 Flotation Collar

Attaches to any basket stretcher and provides 45 lb of buoyancy during water rescue.

2	471 Flotation Collar	0313943

Kigali Backpacks

Originally designed for Ski Patrol, Kigali backpacks are rugged and spacious enough to provide the support you need in almost any scenario.

3	Kigali Backpacks 30 liters	RE00300399
	Kigali Backpacks 35 liters	RE00350399
	Kigali Backpacks 45 liters	RE00450399
4	Sith 50 L Backpack	RE00501499
5	Bradco Stretcher System	RE01230499
6	Advantage Basket Stretcher	RE11250399

Titan Stainless Steel Basket Stretchers

Titan Rescue Basket Stretchers are designed to perform in the most technical rescue environments. They offer a 2,500-lb load capacity and are available in stainless steel or titanium. Multiple models offered.

	Titan SS One-Piece, Regular	RE11019999
	Titan SS One-Piece, Tapered	RE11009999
	Titan SS Two-Piece, Regular	0107975
7	Titan SS Two-Piece, Tapered	RE11049999
	Titan SS One-Piece, Extra-Wide	RE11029999

Ambulance Cots

KEY FEATURES	iNX System	POWER X1	35XST PROFlexx	PRO 28Z
Powered Lifting	●	●		
Integrated Loading	●			
Integrated Charging	●	●		
High Speed Leg Retract	●	●		
Independent Leg Movement	●			
Lighting	●			
Enhanced Stability	●	●		
Unassisted Lift Capacity	700 lb	700 lb	N/A	N/A
Load Capacity	700 lb	700 lb	700 lb	700 lb
Lowest Position Load Capacity	700 lb	700 lb	1,100 lb	700 lb
Unit Weight	183 lb	143 lb	100 lb	96 lb
Height	14" – 49"	16.25" – 44"	14" – 40"	8" – 33"
Width	24"	24"	24"	25"
Length	63" – 81"	44" – 58.63"	64" – 79"	47" – 81"
Max Load Height	35"	36"	35"	26"
Level Patient Surface	Yes	No	No	Yes
Load Frame Style	Telescoping	5 Position	5 Position	Fixed
Sidearm Style	Rotating Around	Fold Down | SX Surface Xtender	Swing Down	Fold Down | SX Surface Xtender
Bariatric Accessories	SX Surface Xtender	SX Surface Xtender | LBS | LBS Jr.	LBS/LBS Jr.	N/A
Fastener Compatibility	iNLINE	PRO F1	Stat Trac	173 | iNLINE
SAE Compliant	●	●	●	●
Battery Type	36V Lithium Ion	36V Lithium Ion	N/A	N/A
Certifications	KKK-A-1822F	KKK-A-1822F*	KKK-A-1822F	KKK-A-1822F
	SAE J3027	SAE J3027*	SAEJ3027	SAEJ3027**
	NFPA-1917	NFPA-1917*	NFPA-1917	NFPA-1917
	CAAS GVS v1.0	CAAS GVS v1.0*	CAAS GVS v1.0	CAAS GVS v1.0
	EN-1789			
	AS/NZS-4535			
	IEC 60601-1	IEC 60601-1*		
	IP56	IP56*		
		AMD*		

* The POWER X1 is compliant with the above standards when used with the PRO F1 Compatibility Kit.
* The PRO 28Z is compliant with the above standards when used with the iNLINE Compatibility Kit.

Cot Fastening Systems

KEY FEATURES	iNLINE Fastener	Stat Trac Fastener	PRO F1
Compatible Cots/Systems	iNX, PRO 28Z	POWERFlexx+ST, 35XST	POWER X1, Stryker Performance-PRO XT, Stryker Power-PRO XT
Integrated Charging	●	●	
No Steering Cot	●	●	Only with POWER X1
Accommodates load angles	●	●	●
Short Length	86"	86"	One size fits all
Medium Length	95"	96"	One size fits all
Long Length	102"	103"	One size fits all
SAE Compliant	●	●	●
Certifications	KKK-A-1822F	KKK-A-1822F	KKK-A-1822F
	SAE J3027	SAE J3027	SAE J3027
	NFPA-1917	NFPA-1917	NFPA-1917
	CAAS GVS v1.0	CAAS GVS v1.0	CAAS GVS v1.0
	EN-1789		
	AS/NZS-4535		
	IEC 60601-1		IEC 60601-1
	IP56		IP56
			AMD 004
			ISTA 1A

Stair Chairs

KEY FEATURES	Transcend w/ PowerTraxx	Transcend
Powers Up/Down Stairs	●	
Built-in Brake System	●	
Scene Lights	●	
IV Clip	●	●
5-Position Foot End Handle	●	●
1" Track to Ground Clearance	●	●
Molded Seat and Back Panels	●	●
Height	36" – 60"	36" – 60"
Width	20"	20"
Depth	30" – 53"	30" – 53"
Weight	51 lb	32 lb
Folded L x W x D	36" x 20" x 7.9"	36" x 20" x 7.9"
Patient Weight Capacity	550 lb	550 lb
Battery Type	28V or 36V Lithium Ion	

Basket Stretchers

KEY FEATURES	Scoop EXL Stretcher	Model 71 Basket Stretcher	Gazelle Regular	Titan SS One-Piece, Regular
Length	65" - 79"	86"	82.5"	83"
Length - Folded	47"	N/A	N/A	N/A
Depth	3"	8"	7"	7"
Width	17"	24"	18.25"	23"
Weight	18 lb	23 lb	33 lb	31 lb
Load Limit	350 lb	600 lb	900 lb	2504 lb

Bags

KEY FEATURES	5107 Trauma Bag	5108 ALS Bag	5111 Trauma/O2 Bag III
Height	15"	15"	12.5"
Length	22"	22"	26"
Width	12"	12"	18.5"

Rescue Bags

KEY FEATURES	Kigali 30 Bag	Kigali 35 Bag	Kigali 45 Bag	Sith 50 Bag
Weight	2.8 lb	3.75 lb	4.8 lb	5 lb
Capacity	1830 in³	2135 in³	2750 in³	3051 in³

Cot & System Accessories

POWER X1

- Three-Stage IV Pole
  No. 1590160

- Cycle Tracker™
  No. 0906053

- Replacement Battery
  No. 0822483

- PacRac®+ Equipment Mount
  No. 1590161

- Sto-Net Load Frame
  No. 0822482

- SX Surface Xtender™
  No. 1590159

NOT PICTURED:
- Head-End Oxygen Bottle Holder
  No. 0822485

- Directional Wheel Locks
  No. 0906032

- PRO F1 Compatibility Kit
- Knee Gatch

iNX

- Three-Stage IV Pole
  No. LAIV3SCL

- Equipment Mount
  No. 0822451

- Directional Wheel Lock
  No. FWECDL

- PacRac®+ Equipment Mount
  No. FWEPRIT

- Load Frame Handles
  No. FWELFH

- StoNet™
  No. 0822453

- SX Surface Xtender™
  No. FWESX

35XST PROFlexx

- Bariatric Tow Package
  No. 0822121

- Bariatric Push
  Pull Handles
  No. 0822147

- LBS Jr.™ Bariatric Board
  No. 0822184

- Dialysis Kickstand
  No. 0822116

- Model 513-10 IV Pole
  No. 0087156

- Model 514 Oxy-Clip™
  No. 0085500

- Transfer Board
  No. 0107992

- Patient Shield
  No. 0822097

- Model 274 PacRac™
  Equipment Platform
  No. 0818933

- Lower Tray Storage
  No. 8159607

- Backrest Oxygen Holder
  No. 0822111

- Sof-Net™ Head
  End Storage
  No. 0821996
  (not Stat Trac compatible)
  No. 0822406
  (Stat Trac compatible)

NOT PICTURED:
- Folding Lift Handles
  No. 0821998
- Side Arm Pouches
  No. 0821953

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PRO 28Z

- **Lift Handles**
  Short: No. 0822137
  Long: No. 0822136

- **Lower Hard Tray**
  No. 0822494

- **SX Surface Xtender**
  No. 0822497

- **Backrest Storage Pouch**
  No. 0374907

- **PacRac® Equipment Platform**
  No. 0818952

- **Storage Net**
  No. 0822501

Stair Chair Accessories

Transcend with PowerTraxx

- **Headrest**
  No. 0822023

- **Kwik-Klip Restraint System**
  No. 0314002

- **Wall Mount**
  No. 0822073

- **Rear Lift Handles**
  No. 0822028

- **Restraint Set**
  No. 0822024

- **ENDURACharge Battery Charger**
  No. 082509
  36V Battery No. 0822484

- **Armrests**
  No. 0822052

- **IV Clip**
  No. 0821975

- **Milwaukee Battery Charger**
  No. 0832199
  28V Battery No. 0832198

- **Model 44 Rescue Seat**
  No. 0313030, Orange
  No. 0313070, Burgundy

Transcend

- **Headrest**
  No. 0822023

- **Kwik-Klip Restraint System**
  No. 0314002

- **Wall Mount**
  No. 0822073

- **Rear Lift Handles**
  No. 0822028

- **Restraint Set**
  No. 0822024

- **Model 44 Rescue Seat**
  No. 0313030, Orange
  No. 0313070, Burgundy

- **Armrests**
  No. 0822052

- **IV Clip**
  No. 0821975

FERNO®

70 Weil Way
Wilmington, OH 45177

Aviation

Military

Mortuary

EMS

Rescue

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