

HI-Series

Mobile Cart Solutions



HI-Series



TM
HOWARD
MEDICAL

Redefining
Medical Technology

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about howard medical

The Howard Story

Billy Howard, Sr. founded **Howard Industries**, in 1968. Over the past four decades, this company has grown to become the nation's leading manufacturer of distribution transformers, with nearly 9 million transformers in service throughout the United States and abroad. Located in Laurel, MS, this facility has 2 million square feet, making it the largest transformer plant in the world.

Howard Lighting Products markets a full line of high-quality, fluorescent and HID ballasts, fixtures, and lamps for both commercial and residential uses. They currently have products in use at Johnson Space Center, Kennedy Space Center, Camp Pendleton, CIA Headquarters, Fort Bragg, and numerous other US government installations, as well as innumerable private facilities.

Howard Transportation operates a full-load, long haul, flatbed common carrier truck line and brokerage firm with over 200 trucks, and regional terminal facilities located in West Virginia and North Carolina.



Corporate Headquarters

The newest division, **Howard Substation Transformer**, began its manufacturing operations in April 2005 to produce power transformers with higher KVA and voltage ratings. It is located near the corporate headquarters in Ellisville, MS, which houses the computer division, **Howard Technology Solutions**, and our medical division, **Howard Medical**.

Focusing on point-of-care technology, **Howard Medical** has quickly become one of the nation's leading healthcare providers of medical carts, wall mount cabinets and arms, and patient bedside technologies. This innovative division has engineered several revolutionary advancements to our carts that have become adopted as industry standards.

HOWARD, as it is known today, is one of the largest employers in the state of Mississippi, and is still owned by Billy Howard, Sr. and his wife, Linda.



Billy and Linda Howard



POWER SOLUTIONS



LIGHTING PRODUCTS



MEDICAL SOLUTIONS



TECHNOLOGY SOLUTIONS



TRANSPORTATION

Hi-Care

Features & Specifications



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At Howard Medical,

we've designed our carts with the healthcare setting clearly in mind, with a range of features expressly integrated to ease workloads for healthcare professionals and to enhance patient care. Engineered to meet the very specific requirements of the healthcare industry and built for durability, our HI-Care cart makes the ideal workmate. It can be used in a variety of applications, including bedside charting/documentation and medication administration at the point-of-care.

CART FEATURES

Howard Medical carts are packed full of features valuable to both clinicians and IT professionals. Here are just a few:

- **Steer Assist Technology (optional)**
- **Antimicrobial surfaces for infection control**
- **Ergonomically friendly**
- **270° wrap-around steering for easy grab-and-go navigation**
- **One-touch height adjustment**
- **Open wheel base allows for normal-stride walking pattern**
- **Negative tilt keyboard (optional)**
- **Precision, ball-bearing, 5" locking casters**
- **Open architecture promotes easy integration of the technology brand of your choice**
- **Visual & audible battery status indicator for real-time battery status**
- **Cable management compartment to conceal cabling and cords**
- **Tool-less battery replacement**
- **Battery options: Lithium and SLA**
- **Configurable storage options to fit your needs**

HI-CARE BASE CART



cart features

STEER ASSIST TECHNOLOGY

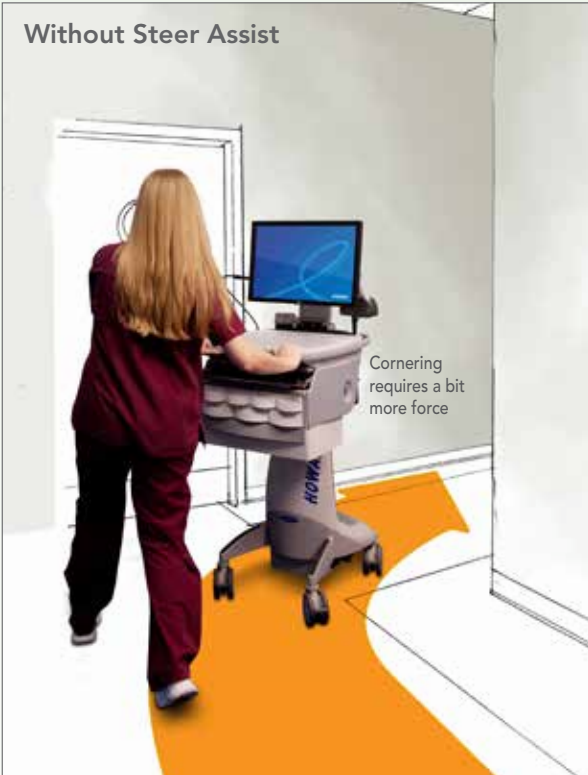
Howard Medical was the first to engineer Steer Assist Technology, a caster mechanism that when auto-activated, minimizes the force required to turn a moving cart, increasing cart control and overall maneuverability.

The Problem: Newton's 1st law of motion

A cart moving straight down a hallway wants to continue going straight. Efforts to turn that cart force the end user to stop the cart's forward momentum and get it moving in a different direction by using his/her own body weight or muscle.

The Solution: Steer Assist Technology (SAT)

Steer Assist Technology (SAT) auto-activates just seconds after it senses that cart is in motion. The SAT mechanism prevents the rear wheels from swiveling. This provides a pivot point for the end user, making turning the cart nearly effortless.



Without SAT, casters swivel freely, continuing forward motion.



With SAT, the casters are realigned to follow the desired path.



ANTIMICROBIAL

Approximately 2 million people acquire an infection in U.S. healthcare settings every year. Howard Medical is doing our part in helping prevent the spread of these infectious diseases and microorganisms in hospitals nationwide. Antimicrobial silver technology is infused into our carts for an added level of protection against damaging bacteria on the surfaces. These ions are integrated into our plastics and coatings during the manufacturing process. They are very durable and cannot be washed off with hospital disinfectants.



KEY FEATURES

- Silver based antimicrobial additive in paint
- Durable against harsh cleaning agents

BIFOCAL FRIENDLY

Understanding our customer is important to us. Howard Medical realizes that the average age of nurses is over 45 and close to half of the work force is nearing retirement. That is why our LCD carts feature an adjustable mount that allows the monitor to be moved closer in or farther away and tilted up or down for optimal viewing. This design benefits bifocal wearers or anyone with end-of-day eyestrain and ensures that the critical data you work with is easy for you to see. One simple adjustment is all it takes to reduce overhead glare and keep eyestrain to a minimum. The monitor can be folded forward to keep confidential information out of view. Folding the monitor forward also makes it easier to maneuver the cart, providing the operator with a clear line of sight.



KEY FEATURES

- Moves closer to user for easy reading
- Folds down for unrestricted forward view when moving
- Adds accessory mounting option behind monitor



WORK SURFACE

The HI-Care work surface is ergonomically designed for maximum usability. Measuring over 2ft², it is one of the largest in the industry. It can be disinfected easily with sanitizing solutions or completely removed for autoclave disinfection.

KEY FEATURES

- Largest in industry with over 2ft² of usable surface
- Translucent cover to protect your documents
- Raised edges to protect from spills

cart features

ERGONOMIC STEERING

Howard Medical's HI-Care has the industry's only true wrap-around handle—a 270-degree, ergonomically designed handle that is readily accessible from multiple sides of the cart, making it an easy reach for busy healthcare workers. While the HI-Care can be moved easily with one hand, our exclusive wrap-around handle provides increased leverage for even greater maneuverability.



KEY FEATURES

- Easy to grab from any direction
- Comfortable hand placement for steering and greater control

FOOTPRINT

The perfectly proportioned, open wheel cart base creates stability, allows for full-stride walking patterns, and leaves enough room for clinicians to sit or stand at the cart while working.



KEY FEATURES

- Turning the cart is nearly effortless with Steer Assist Technology (optional)
- Monitor folds forward for unobstructed view
- Open wheel base allows ample walking space
- Requires only 1.5 lbs of force to set in motion
- Ball-bearing caster construction

HEIGHT ADJUSTMENT

The cart work surface height is designed to accommodate nearly 95% of human statures. It can be raised to a height of 46.50" or lowered to 31.75." Howard Medical was the innovator of providing individual care givers with a height adjustment system. Now, with the touch of a button, the worksurface can be ergonomically positioned to the perfect working height, whether sitting or standing.



KEY FEATURES

- One touch adjustment
- Soft start/soft stop
- Extremely quiet motor
- Power to lift accessories



PC COMPARTMENT

The HI-Care's PC compartment is designed to house notebooks and a variety of small form factor computing devices. It is located directly beneath the cart's work surface, which can be removed for easy installation of your computing device. The PC compartment not only houses your valuable equipment, but also provides it with a measure of protection. Its aluminum base is well ventilated and effectively dissipates heat, helping to keep your computer within a normal operating temperature range without the aid of additional cooling fans. To deter theft and unauthorized access, the PC compartment is also lockable.

KEY FEATURES

- **Compatible with Tier One PC manufacturers**
- **Easily install and integrate notebooks and many small form factor computing devices**
- **Secure, lockable work surface prevents theft and tampering**
- **Aluminum base acts as a heat sink**

CABLE & CORD MANAGEMENT

Years of experience in the healthcare industry have enabled us to master cable management and compartmentalize peripherals. The HI-Care features our exclusive cable management compartment at the rear of the cart. This exclusive compartment, which includes 6 AC outlets, is where cabling and power adapters can be stored in a well-arranged, tangle-free configuration. It also conceals the cables and prevents them from being disconnected accidentally or getting caught on doorknobs and equipment. The coiled power cord, which is equipped with a hospital-grade plug and stretches to a length of about 8 feet, can be secured neatly on the storage hook.

KEY FEATURES

- **Power cord can be easily removed for cleaning or replacement**
- **Cable management compartment for easy integration of multiple devices**
- **No excess cables hanging from cart**



cart features

STATUS INDICATOR

The easy-to-read battery status indicator, which is located on the back left-hand side of the work surface, gives the user real-time updates on the status of the battery. An audible alarm signals when the cart battery's power reserve is low, and can be temporarily disabled using the alarm silence button.



KEY FEATURES

- **Color LED for easy reading**
- **Audible alarm for low battery**
- **Alarm can be silenced**

TOOL-LESS BATTERY REPLACEMENT

Functional simplicity is at the core of our cart design. As a result, many of the tasks related to cart usage require only a basic introduction and minimal instruction. Changing the battery in a Howard Medical cart is one such task. We were the first to engineer a quick and easy, no-tool process that takes less than 2 minutes—another example of cutting-edge design that saves you time and money!



KEY FEATURES

- **Less than 2 minutes to change**
- **No tools required**
- **Easy access panel**

POWER SYSTEM AIR FILTER

Howard Medical understands our carts are mission critical devices and must have maximum uptime. That's one of the reasons why we created a re-usable air filter that minimizes dust intake into the power system. This washable filter slides in under the power system fan and helps keep the cart running cool and at maximum efficiency.



FUTURE READY

Demands on healthcare systems are ever-changing and, at Howard Medical, we understand that fact. To that end, Howard Medical forward engineered our cart systems with what we term the “future-ready” concept. This allows you to equip your cart with only what you need now, and then easily and cost-effectively upgrade it in the future as your needs change.

KEY FEATURES

- 6 AC outlets
- Med drawers have in-field retrofit capability
- Deep CPU cavity
- Transform a laptop cart to an LCD cart
- Easy-add accessories



MANUFACTURING

At Howard Medical, we understand the importance of quality, particularly as it relates to healthcare applications, and are certified for ISO-14001: 2004 and ISO-9001: 2008 compliance. Emphasis on medical cart quality begins at design and follows throughout the manufacturing, inspection, and testing processes, all of which are performed at our 750,000 ft², state-of-the-art plant facility in the U.S. This attention to detail and the use of only the highest quality components and materials ensures that our carts meet or exceed our customers’ requirements, certified to UL60601-1 and CSA-C22.2 No. 601.1 standards.



cart features

APPLICATIONS

Howard Medical carts are the mobile computing solution for applications including:

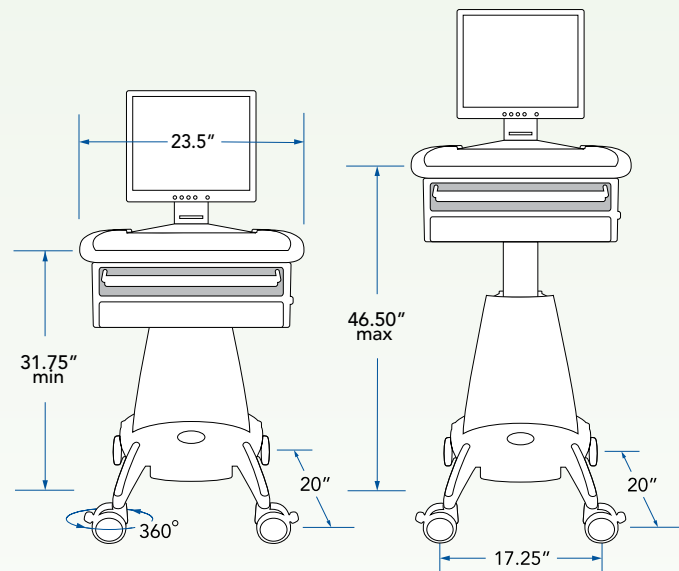
ACUTE PATIENT CARE	LONG TERM PATIENT CARE	MEDICATION ADMINISTRATION
EMERGENCY ROOM	PACS	MEDICATION ADMINISTRATION
INTENSIVE CARE	ELECTRONIC MEDICAL RECORDS	ADMISSIONS/REGISTRATION

SPECIFICATIONS

MECHANICAL

Lift Mechanism

Duty cycle	10% long-term Maximum 6 min. per hour or 2 min. continuous
Lift capacity	50 lbs of customer equipment and supplies
Safety	Self-locking (no power required) Overcurrent protected
Performance	Low-noise Soft start & soft stop for minimal vibration



PHYSICAL

PC compartment (under work surface)	16"W x 13.3"D x 2.7"H
Work surface area	20.6"W x 16.2"D
Work surface height	31.75" to 46.50" adjustable
Footprint (base)	17.25" wide x 20" deep C-C
Keyboard tray	17.9"W x 7.25"D x 1.38"H
Mouse surface	6.25"W x 7"D Positionable to right or left side

ACCESSORY MOUNTING OPTIONS

Universal Accessory Mounting Plate
Pole Mounted Accessories
Howard LCD Arm

configuring your cart

EASILY CONFIGURE YOUR CART

Howard Medical specializes in custom cart configurations. We understand that every healthcare setting is unique. With that in mind, we work closely with you to ensure that the medical cart you get fits your needs down to the smallest detail.

CHOOSE MONITOR MOUNTING OPTIONS

To customize the perfect cart for your staff, start by selecting from one of our three base carts with monitor mounting options. Choose our standard monitor display, a laptop display, or pole mount display.



LAPTOP CART

DIE CAST LCD
MOUNT CART

POLE LCD
MOUNT CART

configuring your cart

SELECT BATTERY TYPE

Howard Medical carts are designed around a high quality, hospital-grade power system—the PowerMax150. It is an extremely efficient 3-in-1 system, in which a single modular unit performs the separate tasks of an inverter, battery charger, and isolation transformer. The PowerMax150 is compatible with both Lithium Iron Phosphate and Sealed Lead Acid battery chemistries, a versatility that enables you to choose one battery type and, later, change to another. Switching from SLA to Lithium technology is a simple, no-tool process that can be completed within a matter of minutes—another example of cutting-edge design that saves you time and money.

KEY FEATURES

- **Power System Smart Fan**
- **Smart fan control improves efficiency, provides silent approach, and reduces dirt intake**
- **High output efficiency (85%)**
- **Data logging**
- **Multi-level low battery warning alarm**
- **Universally compatible output (120 VAC)**
- **Compliant with UL 60601 standards**

LITHIUM IRON PHOSPHATE BATTERY

Lithium Iron Phosphate batteries offer a powerful combination of performance, reliability, and safety. Paired with Howard Medical's PowerMax150 power system, each 40Ah Lithium Iron Phosphate battery can deliver up to 2500 cycles while retaining at least 80% of rated capacity, provide 10 times that of most SLA batteries. They charge fast and contain no heavy metals, making them safe to manage at either end of the battery's life.



KEY FEATURES

- **Long battery life; High cycle life**
- **Fast charging smart battery (100% recharge in about 2 hrs)**
- **Durable & Safe**
- **Lower cost of ownership**
- **High energy density / light weight (14lbs)**
- **Green environmental choice**

OR

SEALED LEAD ACID BATTERY

Howard Medical's high-efficiency power supply system, the PowerMax150, gets the most from Sealed Lead Acid batteries. Our SLA batteries have the highest SLA cycle life in the industry. For typical configurations with our 55Ah battery, run time can be greater than 11 hours. SLA batteries are less expensive than other battery types. They are recyclable and can be upgraded seamlessly to our newer Lithium battery solution.



KEY FEATURES

- **Highest SLA cycle life in the industry**
- **Long runtime- up to 11.2 hours for typical configurations**
- **Low replacement cost**
- **Proven platform**

configuring your cart

SELECT ACCESSORIES

UNIVERSAL BRACKET MOUNTED ACCESSORIES



Sani-cloth cradle
Accommodates most brands



Sharps cradle
2.2qt or 5.4qt, lockable



Hand sanitizer cradle
Fits bottles up to 3.6" in diameter



Cup dispenser with cradle
Available in 1oz or 4oz size



Mini waste bin with cradle
Dispose of non-hazardous waste



Wire basket with bracket
Available in small or large sizes

POLE MOUNTED ACCESSORIES



Sani-cloth cradle
Accommodates most brands



Sharps cradle
1qt or 2.2qt, lockable



Hand sanitizer cradle
Fits bottles up to 3.6" in diameter



Cup dispenser with cradle
Available in 1oz or 4oz size



Mini waste bin with cradle
Dispose of non-hazardous waste

LCD ARM MOUNTED ACCESSORIES



Sani-cloth cradle
Accommodates most brands



Sharps cradle
1qt or 2.2qt, lockable



Hand sanitizer cradle
Fits bottles up to 3.6" in diameter



Cup dispenser with cradle
Available in 1oz or 4oz size

ADDITIONAL CART OPTIONS



Steer Assist Technology



Keyboard light



LED task light



Negative tilt keyboard

configuring your cart

CHOOSE STORAGE OPTIONS & FEATURES

Howard Medical's innovative storage options ensure that you get the features you want and the capacity you need. We offer 2-tier EMR and med dispensing storage options, as well as many 4-tier storage configurations, with add-on options for even greater capacity. Independent multi-level electronic narcotics locking options are available for storage cabinets.

ELECTRONICS LOCKING SYSTEM used for medication dispensing. Derived from years of research, this locking system is the most advanced and secure option available and includes an electronic controller with USB computer interface, a 10 digit keypad, safety catch locking mechanisms, 500 user IDs and the capability to remotely manage the cart configuration and user IDs. Our Med Display software interface displays onscreen graphical controls and drawer status. Howard Medical's locking system is equipped with an automatic re-lock feature that is programmable from 1 second to 3600 seconds. Drawers and patient bins can be opened by entering a user ID four different ways: keypad, optional touch screen monitor, keyboard or mouse. A second electronic lock can be added to drawers in any of the top three tiers, providing secure storage for narcotics. Access to these double locked drawers requires entry of an additional Narc code. Electronic sensors combined with Med Audit software allow drawer and patient bin access to be tracked by supervisors. As an added feature, electronic locks also have key override bypass, which will prevent a medication lock-out in case of a controller failure.

2-TIER STORAGE



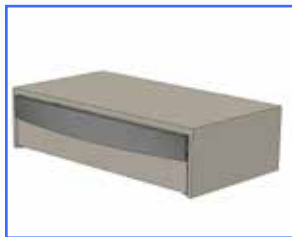
6 patient bins



8 patient bins



(2) 1-tier storage drawers



(1) 2-tier storage drawer



(1) 1-tier storage drawer
(1) 3-tier bulk storage drawer



(1) 4-tier envelope drawer



(1) 1-tier storage drawer
(1) 4-tier envelope drawer

configuring your cart

4-TIER STORAGE



12 patient bins



16 patient bins



6 or 8 patient bins
(2) 1-tier storage drawers



6 or 8 patient bins
(1) 2-tier storage drawer



6 or 8 patient bins
(1) 1-tier storage drawer
(1) 3-tier bulk storage drawer



9 or 12 patient bins
(1) 3-tier bulk storage drawer



9 or 12 patient bins
(1) 1-tier storage drawer



(4) 1-tier storage drawers



(2) 2-tier storage drawers



(2) 1-tier storage drawers
(1) 2-tier storage drawers



(3) 1-tier storage drawers
(1) 3-tier bulk storage drawer

ADD-ON STORAGE

Look for the ● to let you know which options are compatible with our add-on storage.



(1) 2-tier storage drawer

HI-Paradigm

Features & Specifications



TM
HOWARD
MEDICAL

APPLICATIONS

Howard Medical carts are the mobile computing solution for applications including:

ACUTE PATIENT CARE	LONG TERM PATIENT CARE	MEDICATION ADMINISTRATION
EMERGENCY ROOM	PACS	RESPIRATORY
PHLEBOTOMY	ELECTRONIC MEDICAL RECORDS	ADMISSIONS/ REGISTRATION

IMPROVED WORKFLOW

Enhance workflow and efficiency by teaming the HI-Paradigm cart with our Transfer Cart or Med Hub. Thanks to our innovatively designed, interchangeable drawer system, you can move medication from the pharmacy to the patient floors easily with the Transfer Cart, and store the extra medication-filled cassettes in the locking Med Hub. When ready for a med pass, switch the cassettes over to your HI-Paradigm for easy transport to patient rooms. One trip to the pharmacy ensures that nurses have the proper medication needed to last the entire day.

future ready

Demands on healthcare systems

are ever-changing and at Howard we understand that fact. To that end, we've built our Howard cart systems with what we term the "future-ready" concept. This allows you to equip your cart with only what you need now, and then easily and cost-effectively upgrade it in the future as your needs change.

hi-paradigm cart overview

At howard medical,

we've designed our carts with the healthcare setting clearly in mind; with a range of features expressly integrated to ease workloads for nurses and other healthcare professionals, as well as enhance patient care. Engineered to meet the exacting requirements of the healthcare industry, and built for durability, our HI-Paradigm cart makes the ideal workmate. It can be used in a variety of applications, but it is most commonly used for medication administration. We are confident that you and your staff will appreciate the benefits highlighted in this guide.

WORK SURFACE

Our carts' antimicrobial work surface was designed with both ergonomics and patient care in mind. Measuring approximately 2 ft², the HI-Paradigm's work surface is one of the largest in the medical industry. It's highly resistant to scratching and fingerprints, and can be easily disinfected with a chlorine bleach solution, or completely removed for autoclave disinfection. It also has a raised edge that surrounds the surface to capture spills and prevent items from falling off onto the floor. For added protection, the work surface can be locked to secure your notebook or tablet from theft or unauthorized access.



BIFOCAL FRIENDLY

Understanding our customer is important to us. Howard Medical realizes that the average age of nurses is over 45 and close to half of the work force is nearing retirement. That is why our LCD carts feature an adjustable mount that allows the monitor to be moved closer in or farther away and tilted up or down for optimal viewing. This design benefits bifocal wearers or anyone with end-of-day eyestrain and ensures that the critical data you work with is easy for you to see. One simple adjustment is all it takes to reduce overhead glare and keep eyestrain to a minimum. The monitor can be folded forward to keep confidential information out of view. Folding the monitor forward also makes it easier to maneuver the cart, providing the operator with a clear line of sight.



KEY FEATURES

- Moves closer to user for easy reading
- Folds down for unrestricted forward view when moving
- Adds accessory mounting option behind monitor

STEER ASSIST TECHNOLOGY

Howard Medical was the first to engineer Steer Assist Technology, a caster mechanism that when auto-activated, minimizes the force required to turn a moving cart, increasing cart control and overall maneuverability.

The Problem: Newton's 1st law of motion

A cart moving straight down a hallway wants to continue going straight. Efforts to turn that cart force the end user to stop the cart's forward momentum and get it moving in a different direction by using his/her own body weight or muscle.

The Solution: Steer Assist Technology (SAT)

Steer Assist Technology (SAT) auto-activates just seconds after it senses that cart is in motion. The SAT mechanism prevents the rear wheels from swiveling. This provides a pivot point for the end user, making turning the cart nearly effortless.

ERGONOMIC STEERING

Howard Medical's HI-Paradigm has the industry's only true wrap-around handle—a 270-degree, ergonomically designed handle that is readily accessible from multiple sides of the cart, making it an easy reach for busy healthcare workers. While the HI-Paradigm can be moved easily with one hand, our exclusive wrap-around handle provides increased leverage for even greater maneuverability.



KEY FEATURES

- Easy to grab from any direction
- Comfortable hand placement for steering and greater control

cart features

ANTIMICROBIAL

Approximately 2 million people acquire an infection in U.S. healthcare settings every year. Howard Medical is doing our part in helping prevent the spread of these infectious diseases and microorganisms in hospitals nationwide. Antimicrobial silver technology is infused into our carts for an added level of protection against damaging bacteria on the surfaces. These ions are integrated into our plastics and coatings during the manufacturing process. They are very durable and cannot be washed off with hospital disinfectants.



KEY FEATURES

- Silver based antimicrobial additive in paint
- Durable against harsh cleaning agents

FOOTPRINT

The perfectly proportioned, open wheel cart base creates stability, allows for full-stride walking patterns, and leaves enough room for clinicians to sit or stand at the cart while working.



KEY FEATURES

- Turning the cart is nearly effortless with Steer Assist Technology (optional)
- Monitor folds forward for unobstructed view
- Open wheel base allows ample walking space
- Requires only 1.5 lbs of force to set in motion

HEIGHT ADJUSTMENT

The cart work surface height is designed to accommodate nearly 95% of human statures. It can be raised to a height of 46.50" or lowered to 31.75." Howard Medical was the innovator of providing individual care givers with a height adjustment system. Now, with the touch of a button, the worksurface can be ergonomically positioned to the perfect working height, whether sitting or standing.



KEY FEATURES

- One touch adjustment
- Soft start/soft stop
- Extremely quiet motor
- Power to lift accessories



PC COMPARTMENT

The HI-Paradigm's PC compartment is located directly beneath the cart's work surface, which can be removed for easy installation of your computing device. It includes 6 AC plugs and a convenient cable management compartment. The PC compartment is designed to house notebooks and many small form factor computing devices, as well as to provide the necessary protection for your equipment. First, it has an aluminum base that effectively dissipates heat, allowing your computer to maintain operation within a normal temperature range, without the aid of additional cooling fans. And, second, it's lockable to deter theft and unauthorized access.

KEY FEATURES

- Easily install and integrate notebooks and many small form factor computing devices
- Secure, lockable work surface prevents theft and tampering
- Aluminum base acts as a heat sink

CABLE & CORD MANAGEMENT

Years of experience in the healthcare industry have enabled us to master cable management and peripheral compartmentalization. Our unique cart design features an integrated cable management compartment on the rear of the cart where excess cabling and power adapters can be neatly stored in a well-arranged tangle-free configuration. This design also prevents cables from being accidentally disconnected, or from getting caught on doorknobs or other hospital equipment during transport. The coiled power cord stretches to about 8 feet in length and is equipped with a hospital grade plug. For added convenience, a storage hook is located at a convenient height to secure the power cord while the cart is in motion.

KEY FEATURES

- Power cord can be easily removed for cleaning or replacement
- Cable management compartment for easy integration of multiple devices
- No excess cords hanging from cart



cart features

STATUS INDICATOR

The easy-to-read battery status indicator, which is located on the back left-hand side of the work surface, gives the user real-time updates on the status of the battery. An audible alarm signals when the cart battery's power reserve is low, and can be temporarily disabled using the alarm silence button.



TOOL-LESS BATTERY REPLACEMENT

Functional simplicity is at the core of our cart design. As a result, many of the tasks related to cart usage require only a basic introduction and minimal instruction. Changing the battery in a Howard Medical cart is one such task. We were the first to engineer a quick and easy, no-tool process that takes less than 2 minutes—another example of cutting-edge design that saves you time and money!



KEY FEATURES

- Less than 2 minutes to change
- No tools required
- Easy access panel

POWER SYSTEM AIR FILTER

Howard Medical understands our carts are mission critical devices and must have maximum uptime. That's one of the reasons why we created a re-usable air filter that minimizes dust intake into the power system. This washable filter slides in under the power system fan and helps keep the cart running cool and at maximum efficiency.



SELECT ACCESSORIES

UNIVERSAL BRACKET MOUNTED ACCESSORIES



Sani-cloth cradle
Accommodates most brands



Sharps cradle
2.2qt or 5.4qt, lockable



Hand sanitizer cradle
Fits bottles up to 3.6" in diameter



Cup dispenser with cradle
Available in 1oz or 4oz size



Mini waste bin with cradle
Dispose of non-hazardous waste



Wire basket with bracket
Available in small or large sizes

POLE MOUNTED ACCESSORIES



Sani-cloth cradle
Accommodates most brands



Sharps cradle
1qt or 2.2qt, lockable



Hand sanitizer cradle
Fits bottles up to 3.6" in diameter



Cup dispenser with cradle
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LCD ARM MOUNTED ACCESSORIES



Sani-cloth cradle
Accommodates most brands



Sharps cradle
1qt or 2.2qt, lockable



Hand sanitizer cradle
Fits bottles up to 3.6" in diameter

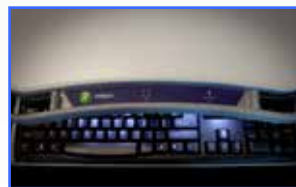


Cup dispenser with cradle
Available in 1oz or 4oz size

ADDITIONAL CART OPTIONS



Steer Assist Technology



Keyboard light



LED task light



Negative tilt keyboard

battery options

SELECT BATTERY TYPE

Howard Medical carts are designed around a high quality, hospital-grade power system—the PowerMax150. It is an extremely efficient 3-in-1 system, in which a single modular unit performs the separate tasks of an inverter, battery charger, and isolation transformer. The PowerMax150 is compatible with both Lithium Iron Phosphate and Sealed Lead Acid battery chemistries, a versatility that enables you to choose one battery type and, later, change to another. Switching from SLA to Lithium technology is a simple, no-tool process that can be completed within a matter of minutes—another example of cutting-edge design that saves you time and money.

KEY FEATURES

- **Power System Smart Fan**
- **Smart fan control improves efficiency, provides silent approach, and reduces dirt intake**
- **High output efficiency (85%)**
- **Data logging**
- **Multi-level low battery warning alarm**
- **Universally compatible output (120 VAC)**
- **Compliant with UL 60601 standards**

LITHIUM IRON PHOSPHATE BATTERY

Lithium Iron Phosphate batteries offer a powerful combination of performance, reliability, and safety. Paired with Howard Medical's PowerMax150 power system, each 40Ah Lithium Iron Phosphate battery can deliver up to 2500 cycles while retaining at least 80% of rated capacity, provide 10 times that of most SLA batteries. They charge fast and contain no heavy metals, making them safe to manage at either end of the battery's life.

KEY FEATURES

- **Long battery life; High cycle life**
- **Fast charging smart battery (100% recharge in about 2 hrs)**
- **Durable & Safe**
- **Lower cost of ownership**
- **High energy density / light weight (14lbs)**
- **Green environmental choice**



OR

SEALED LEAD ACID BATTERY

Howard Medical's high-efficiency power supply system, the PowerMax150, gets the most from Sealed Lead Acid batteries. Our SLA batteries have the highest SLA cycle life in the industry. For typical configurations with our 56Ah battery, run time can be greater than 11 hours. SLA batteries are less expensive than other battery types. They are recyclable and can be upgraded seamlessly to our newer Lithium battery solution.

KEY FEATURES

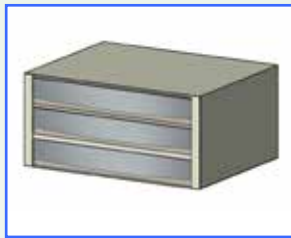
- **Highest SLA cycle life in the industry**
- **Long runtime- up to 11.2 hours for typical configurations**
- **Low replacement cost**
- **Proven platform**



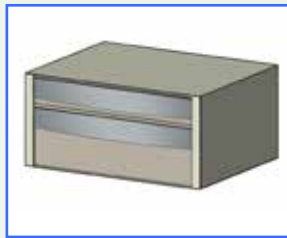
CHOOSE STORAGE OPTIONS & FEATURES

Howard Medical's innovative storage options ensure that you get the features you want and the capacity you need. We offer 3-tier EMR and med dispensing storage options, with add-on options for even greater capacity. Independent multi-level electronic narcotics locking options are available for storage cabinets.

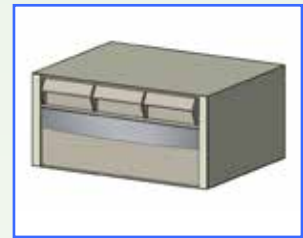
3-TIER STORAGE



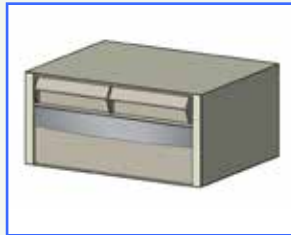
(3) 1-tier storage drawers



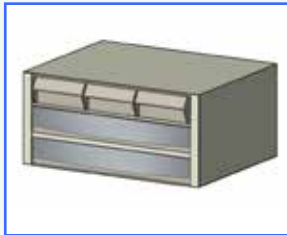
(1) 1-tier storage drawer
(1) 2-tier bulk storage drawer



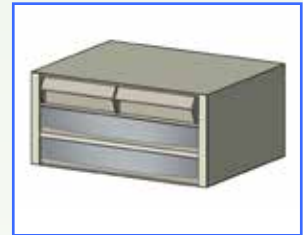
3 patient bins
(1) 2-tier bulk storage drawer



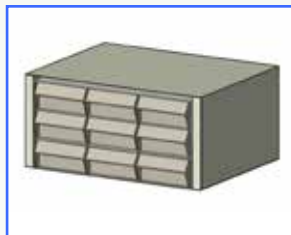
2 patient bins
(1) 2-tier bulk storage drawer



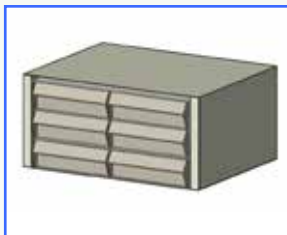
3 patient bins
(2) 1-tier storage drawers



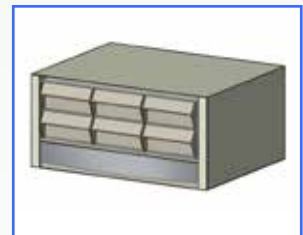
2 patient bins
(2) 1-tier storage drawers



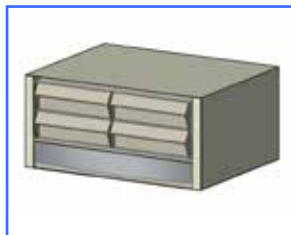
9 patient bins



6 patient bins



6 patient bins
(1) 1-tier storage drawer



4 patient bins
(1) 1-tier storage drawer

ADD-ON STORAGE



(1) 2-tier bulk storage drawer

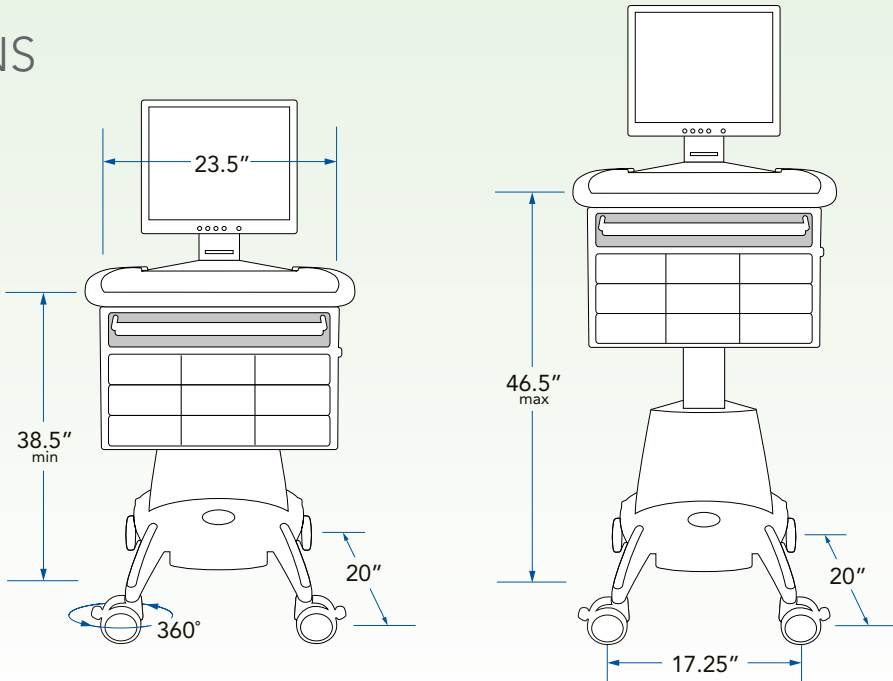
storage options

With Howard Medical's innovative storage options, you will be sure to get the features you want with the capacity you need. For added security, we offer an Electronics Locking option:

ELECTRONICS LOCKING SYSTEM is used for medication dispensing. Derived from years of research, this locking system is the most advanced and secure option available and includes an electronic controller with USB computer interface, a 10 digit keypad, safety catch locking mechanisms, 500 user IDs and the capability to remotely manage the cart configuration and user IDs. Our Med Display software interface displays onscreen graphical controls and drawer status. Howard Medical's locking system is equipped with an automatic re-lock feature that is programmable from 1 second to 3600 seconds. Drawers and patient bins can be opened by entering a user ID four different ways: keypad, optional touch screen monitor, keyboard or mouse.

A second electronic lock can be added to drawers in any of the top three tiers, providing secure storage for narcotics. Access to these double locked drawers requires entry of an additional narcotics code. Electronic sensors combined with Med Audit software allow drawer and patient bin access to be tracked by supervisors. As an added feature, electronic locks also have key override bypass, which will prevent a medication lock-out in case of a controller failure.

DIMENSIONS



MECHANICAL

Lift Mechanism

Duty cycle	10% long-term Maximum 6 min. per hour or 2 min. continuous
Lift capacity	50 lbs of customer equipment and supplies
Safety	Self-locking (no power required) Overcurrent protected
Performance	Low-noise Soft start & soft stop for minimal vibration

PHYSICAL

PC compartment (under work surface)	16"W x 13.3"D x 2.7"H
Work surface area	20.6"W x 16.2"D
Work surface height	38.5" to 46.5" adjustable 8" stroke
Footprint (base)	17.25" wide x 20" deep C-C
Keyboard tray	17.9"W x 7.25"D x 1.38"H
Mouse surface	6.38"W x 7"D Positionable to right or left sides

ACCESSORY MOUNTING OPTIONS

Universal Accessory Mounting Plate
Pole Mounted Accessories
Howard LCD Arm

HI-Pinnacle

Features & Specifications



TM
HOWARD
MEDICAL

APPLICATIONS

Howard Medical carts are the mobile computing solution for applications including:

ACUTE PATIENT CARE	LONG TERM PATIENT CARE	MEDICATION ADMINISTRATION
EMERGENCY ROOM	PACS	RESPIRATORY
PHLEBOTOMY	ELECTRONIC MEDICAL RECORDS	SURGERY

IMPROVED WORKFLOW

Enhance workflow and efficiency by teaming the HI-Pinnacle cart with our Transfer Cart or Med Hub. Thanks to our innovatively designed, interchangeable drawer system, you can move medication from the pharmacy to the patient floors easily with the Transfer Cart, and store the extra medication-filled cassettes in the locking Med Hub. When ready for a med pass, switch the cassettes over to your HI-Pinnacle for easy transport to patient rooms. One trip to the pharmacy ensures that nurses have the proper medication needed to last the entire day.

future ready

Demands on healthcare systems

are ever-changing and at Howard we understand that fact. To that end, we've built our Howard cart systems with what we term the "future-ready" concept. This allows you to equip your cart with only what you need now, and then easily and cost-effectively upgrade it in the future as your needs change.

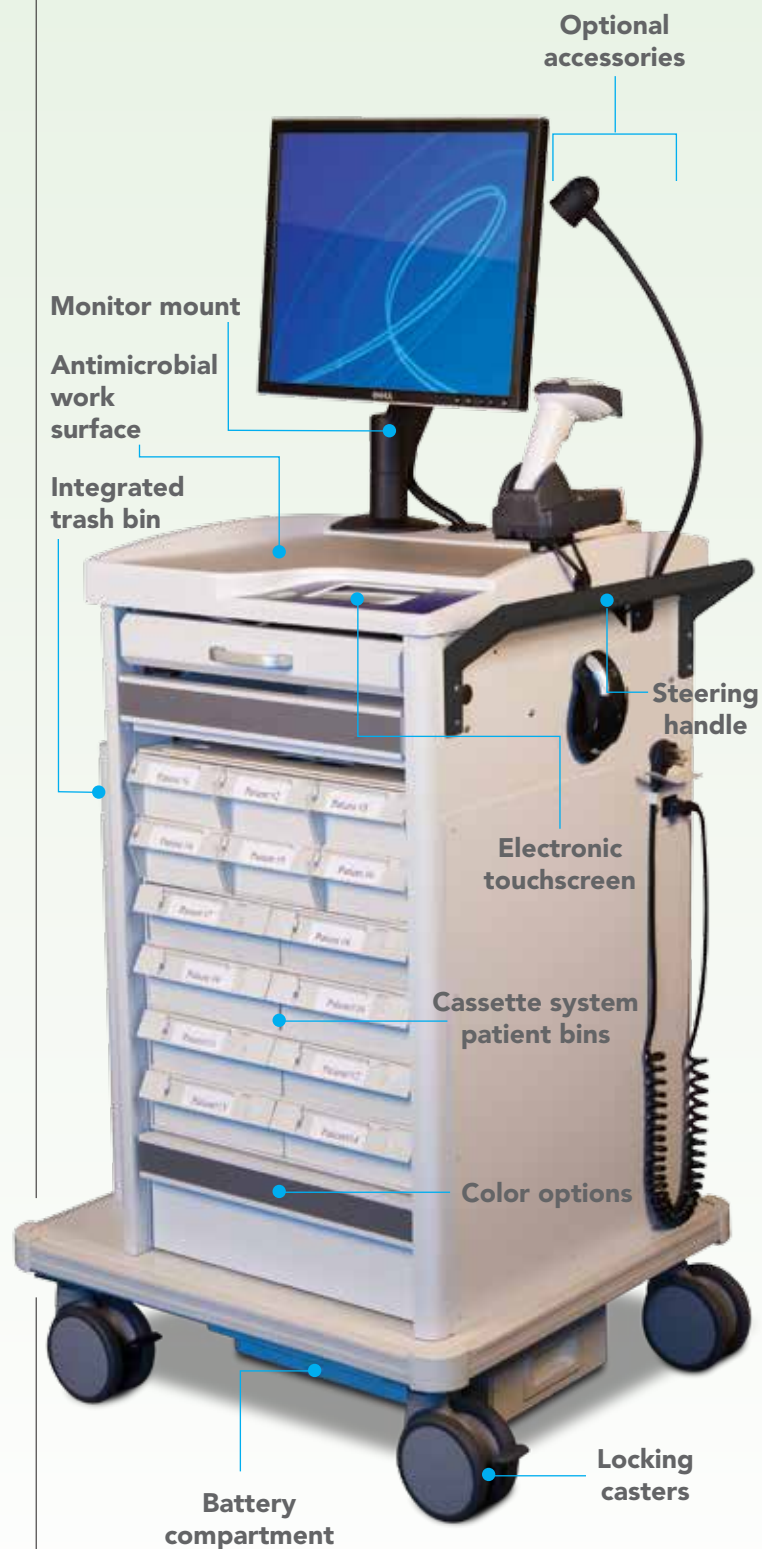
hi-pinnacle cart overview

At howard medical,

we've designed our carts with the healthcare setting clearly in mind; with a range of features expressly integrated to ease workloads for nurses and other healthcare professionals, as well as enhance patient care. Engineered to meet the exacting requirements of the healthcare industry, and built for durability, our HI-Pinnacle cart makes the ideal workmate. It can be used in a variety of applications, but it is most commonly used for medication administration. We are confident that you and your staff will appreciate the benefits highlighted in this guide.

ANTIMICROBIAL WORK SURFACE

Our carts' antimicrobial work surface was designed with both ergonomics and patient care in mind. Measuring up to 3 ft², the HI-Pinnacle's work surface is one of the largest in the medical industry. It's highly resistant to scratching and fingerprints, and can be easily disinfected with a chlorine bleach solution, or completely removed for autoclave disinfection. It also has a raised edge that surrounds the surface to capture spills and prevent items from falling off onto the floor. The work surface also has a removable document cover which will protect your important documents without taking up valuable work space.



BIFOCAL FRIENDLY

Understanding the customer's needs is important to us. For this reason, our LCD carts feature a monitor arm that allows the monitor to be moved closer in or farther away, tilted, or otherwise adjusted for optimum viewing. This design benefits bifocal wearers, or anyone with end-of-day eyestrain, and ensures that the critical data you work with is easy for you to see. Reduce overhead glare with just one simple movement, and keep eyestrain to a minimum.



KEYBOARD

While other cart manufacturers provide only a single-centered rail for their keyboard, the keyboard on our cart is supported by a precision ball bearing rail system on both the right and left side, thus increasing stability. Our optional, retractable keyboard tray, which measures approximately 15.875" W x 9.75" D x 1.85" H, accommodates a compact keyboard. During transport and non-use, the mouse fits securely inside the mouse holder for storage.



STEER ASSIST TECHNOLOGY

Howard Medical was the first to engineer Steer Assist Technology, a caster mechanism that when auto-activated, minimizes the force required to turn a moving cart, increasing cart control and overall maneuverability.



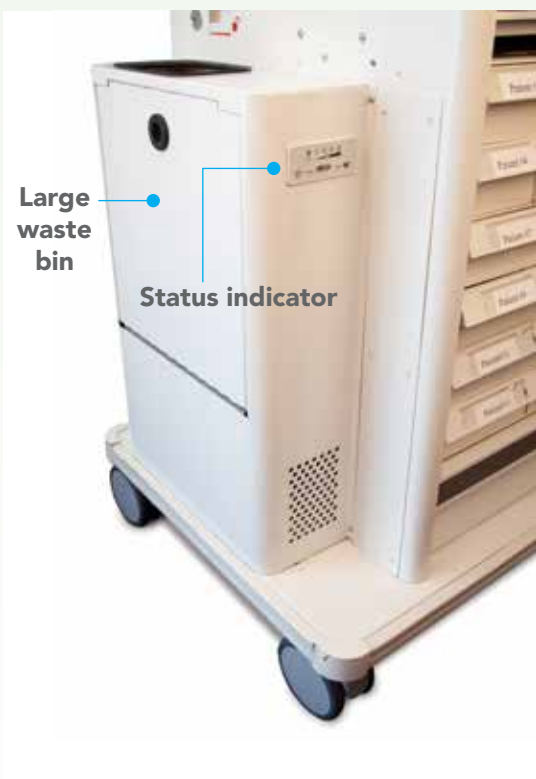
cart features

EASE OF MOVEMENT

Moving our HI-Pinnacle carts is an almost effortless task. Thanks to their dual-wheel, low friction, and precision ball-bearing casters, it takes only minimal force to move one of our carts. The cart's base sits on four durable 5" casters that swivel 360 degrees (front casters have locking capabilities).

STATUS INDICATOR

The easy-to-read battery status indicator, which is located on the left-hand side of the cart, gives the user real-time updates on the status of the battery. An audible alarm signals when the cart battery's power reserve is low, and can be temporarily disabled using the alarm silence button.



EASY UPKEEP

Mild commercial cleaning solutions and disinfectants, applied with a sponge, damp cloth, or paper towel, are typically all you will need to keep your HI-Pinnacle cart spotless.



TOOL-LESS BATTERY REPLACEMENT

Functional simplicity is at the core of our cart design. As a result, many of the tasks related to cart usage require only a basic introduction and minimal instruction. Changing the battery in a Howard cart is one such task. It's a quick and easy, no-tool process that takes less than 3 minutes—another example of cutting-edge design that saves you time!



PC COMPARTMENT

The HI-Pinnacle's PC compartment, located on the back of the cart, offers protection against heat dissipation and is fully lockable to deter theft and tampering. Measuring 15" H x 15.5" D x 3.125" H, the PC compartment is spacious enough to contain most small form factors and thin clients. The greatest convenience of our HI-Pinnacle carts is the ability for you to continue using the computer brand of your choice.

CABLE & CORD MANAGEMENT

Years of experience in the healthcare industry have enabled us to master cable management and peripheral compartmentalization. Our unique cart design features integrated cable management channels and a compartment on the rear of the cart where excess cabling and power adapters can be neatly stored. This design prevents cables from being accidentally disconnected, or from getting caught on doorknobs or other hospital equipment during transport. The coiled power cord stretches to about 8 feet in length and is equipped with a hospital grade plug. For added convenience, a storage hook is located at a convenient height to secure the power cord when not charging.

KEY FEATURES

- **Power cord can be easily removed for cleaning or replacement**
- **Cable management compartment for easy integration of multiple devices**
- **No excess cords hanging from cart**

size options

HI-PINNACLE MODELS

At Howard Medical, we understand the diversity and ever-changing needs of the healthcare setting. Because of this, we have designed our carts to provide nurses with the greatest benefit possible. Our HI-Pinnacle carts come in two different styles: Model 15 and Model 45. These carts are often used in Veterans Affairs facilities and long-term care facilities because of the large amount of medication they can hold. Both carts are customizable and have nearly endless drawer and bin configurations.



MODEL 15 PINNACLE



MODEL 45 PINNACLE

COLOR OPTIONS

The HI-Pinnacle carts come in Central Office White. To better suit your needs, we have added accent colors that you can choose from. See below for our 3 accent color options.

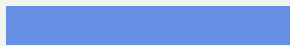
*Accent areas indicated by illustration to the right.



Central Office White



Central Office White



Wedgewood Blue



Gray



Sage

SELECT ACCESSORIES

To maximize productivity and make your job easier at the same time, we've prepared specialized accessories for use with your Howard cart. Choose from sharps container and IV poles to bar code scanners and cup dispensers, configurable drawer storage, and multiple accessory locations on left and right side.



Bar code scanners
Offer all leading brands



Cup dispensers
Available in various sizes



IV pole



Wire baskets
Available in small or large sizes



Sani-wipe holder
Accommodates all models that include appropriate mounting brackets



Hand sanitizer cradle



Fixed scanner



LED task light



Sharps cradle
Multiple sizes and brands available
Bracket accommodates most sizes

If your customization needs cannot be found here, we can create a custom solution for you.

battery options

SELECT BATTERY TYPE

Howard Medical carts are designed around a high quality, hospital-grade power system—the PowerMax150. It is an extremely efficient 3-in-1 system, in which a single modular unit performs the separate tasks of an inverter, battery charger, and isolation transformer. The PowerMax150 is compatible with both Lithium Iron Phosphate and Sealed Lead Acid battery chemistries, a versatility that enables you to choose one battery type and, later, change to another. Switching from SLA to Lithium technology is a simple, no-tool process that can be completed within a matter of minutes—another example of cutting-edge design that saves you time and money.

KEY FEATURES

Power System Smart Fan

- Smart fan control improves efficiency, provides silent approach, and reduces dirt intake
- High output efficiency (85%)
- Data logging
- Multi-level low battery warning alarm
- Universally compatible output (120 VAC)
- Compliant with UL 60601 standards

LITHIUM IRON PHOSPHATE BATTERY

Lithium Iron Phosphate batteries offer a powerful combination of performance, reliability, and safety. Paired with Howard Medical's PowerMax150 power system, each 40Ah Lithium Iron Phosphate battery can deliver up to 2500 cycles while retaining at least 80% of rated capacity, provide 10 times that of most SLA batteries. They charge fast and contain no heavy metals, making them safe to manage at either end of the battery's life.



KEY FEATURES

- Long battery life; High cycle life
- Fast charging smart battery (100% recharge in about 2 hrs)
- Durable & Safe
- Lower cost of ownership
- High energy density / light weight (14lbs)
- Green environmental choice

OR

SEALED LEAD ACID BATTERY

Howard Medical's high-efficiency power supply system, the PowerMax150, gets the most from Sealed Lead Acid batteries. Our SLA batteries have the highest SLA cycle life in the industry. For typical configurations with our 56Ah battery, run time can be greater than 11 hours. SLA batteries are less expensive than other battery types. They are recyclable and can be upgraded seamlessly to our newer Lithium battery solution.



KEY FEATURES

- Highest SLA cycle life in the industry
- Long runtime- up to 11.2 hours for typical configurations
- Low replacement cost
- Proven platform

locking & storage options

With Howard Medical's innovative storage options, you will be sure to get the features you want with the capacity you need.

Both Pinnacle cart models provide 9 tiers of storage (in tiers 2 -10) underneath the keyboard drawer (in tier 1). This storage area can be populated with two sizes of patient bins (in cassettes) and 4 sizes of drawers (one, two, three, and four tier). The interchangeable cassette system provides safe, convenient storage for all medications transferred from the pharmacy to patient floors. When it's time for a med pass, medication filled patient bins can be switched quickly from the Med Hub to carts for easy transport to patient rooms

- Dividers are included with all drawers and bins except 4 tier drawer
 - All configurations include keyboard drawer in top tier.
-

ADVANCED ELECTRONICS

Storage drawers are secured by Howard Medical's unique safety catch mechanism and Advanced Electronic locking system. Drawers can be unlocked via a 10 digit keypad on the backlit LCD touchscreen interface or in Med Display software on local PC. The locking system supports up to 500 locally stored user ID's which can be managed on the cart touchscreen, on the local PC, or remotely using Med Manager software (from our Med Care software suite). The cart also comes with emergency keyed bypass for the main and second level narcotics lock systems in case of a controller failure.

Locking System Features include:

- Programmable secure access to drawers and patient bins.
- Access to storage via integrated 10 digit keypad on touchscreen or Windows based software.
- Independent bypass key for emergency access for both main and Narc locks.
- Magnetic sensors detect which drawers have been opened.
- Provides audit log with user ID and time and date for each access
- Audible alert notifies user if drawer remains open
- Automatic relock with adjustable timer
- Beeper for alerts and code entry confirmation
- Supports up to 500 unique user IDs (3-8 digits)
- Local management of user IDs and locking system settings using touchscreen or Med Display software
- Remote Management using Med Manager
- Locking system status and relock timer countdown display in Med Display
- Powered by cart power system
- Support for independent, second level locking for securing narcotics (optional)

locking & storage options

STORAGE GUIDE

The Model 15 Pinnacle cart has 9 tiers of configurable storage space. The Model 45 Pinnacle cart has 9 tiers of configurable storage space on the left side and 6 tiers of configurable storage space on the right side.

MODEL 15 HI-PINNACLE OPTIONS

1-Tier Keyboard Drawer

15.875"W x 1.85"H x 12"D

1-Tier Cassette with 2 Patient Bins

8.25"W

1-Tier Cassette with 3 Patient Bins

5.5"W

2-Tier Cassette with 4 Patient Bins

8.25"W

2-Tier Cassette with 6 Patient Bins

5.5"W

1-Tier Storage Drawer

17"W x 3"H x 12"D

2-Tier Storage Drawer

17"W x 6"H x 12"D

3-Tier Storage Drawer

17"W x 9"H x 12"D

4-Tier Storage Drawer

17"W x 12"H x 12"D

MODEL 45 HI-PINNACLE OPTIONS

1-Tier Keyboard Drawer

15.875"W x 1.85"H x 12"D

1-Tier Cassette with 2 Patient Bins

8.25"W

1-Tier Cassette with 3 Patient Bins

5.5"W

2-Tier Cassette with 4 Patient Bins

8.25"W

2-Tier Cassette with 6 Patient Bins

5.5"W

1-Tier Storage Drawer

17"W x 3"H x 12"D

2-Tier Storage Drawer

17"W x 6"H x 12"D

3-Tier Storage Drawer

17"W x 9"H x 12"D

4-Tier Storage Drawer

17"W x 12"H x 12"D

1-Tier Storage Drawer

11"W x 4"H x 14.75"D

2-Tier Storage Drawer

11"W x 9"H x 14.75"L

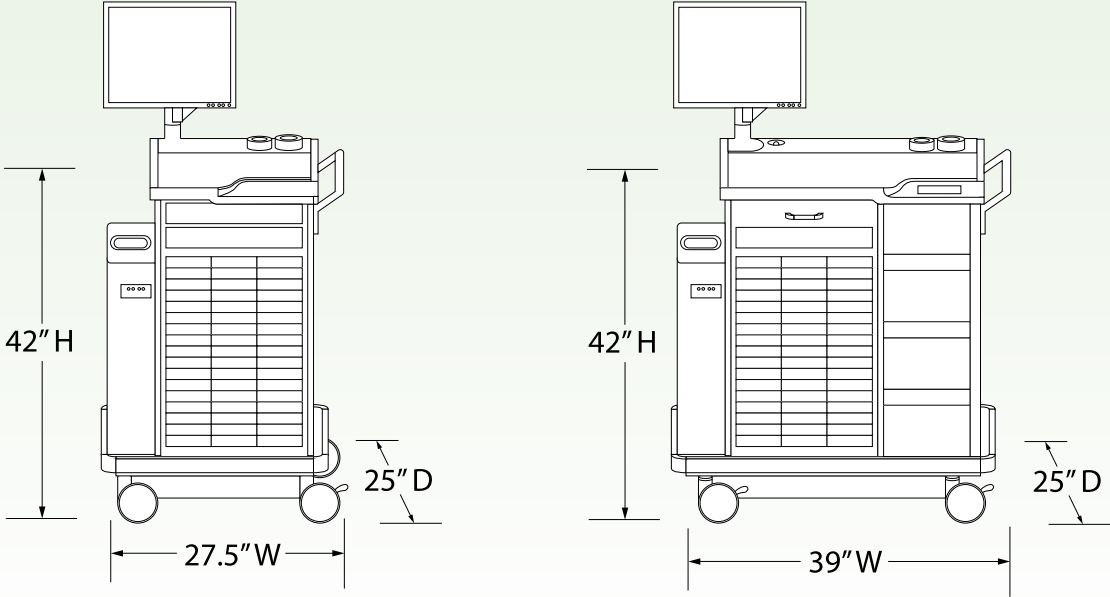
3-Tier Storage Drawer

11"W x 13"H x 14.75"L

(Left Side)

(Right Side)

DIMENSIONS



ELECTRICAL OUTPUT RATINGS

Power system	HC 350	HC 150
Voltage	120 VAC, 60Hz	120 VAC, 60Hz
Power	300W max continuous	150W continuous
Type	True sine wave	True sine wave
Output	6x standard N. Amer. outlet (NEMA 5-15R)	6x standard N. Amer. outlet (NEMA 5-15R)

PHYSICAL

PC compartment	15"W x 3.125"H x 15.5"D
Work surface area (Model 15 & 45)	1.75ft ² 3ft ²
Dimensions (Model 15 & 45)	27.5"W x 42"H x 25"D 39"W x 42"H x 25"D
Keyboard drawer (optional)	15.875"W x 1.85"H x 12"D

ELECTRICAL INPUT RATINGS

Power system	HC 350	HC 150
Voltage	120 VAC, 60Hz	120 VAC, 60Hz
Fuses	Input 8.0A, min 250 VAC Battery Inverter/Charger: 40A, min 32 VDC	Input 8.0A, min 250 VAC Battery Inverter/Charger: 40A, min 32 VDC
Ground	Earthing termination supplied via power cord	Earthing termination supplied via power cord

Med Hubs & Transfer Carts

Features & Specifications



HOWARDTM
MEDICAL

MED HUBS

Streamline your medication dispensing process with Howard Medical's revolutionary family of carts. Teaming our exclusive Med Hub with Howard Medical Point-of-Care (POC) carts, such as the HI-Paradigm and HI-Pinnacle, effectively eliminates the extra legwork involved in transporting and dispensing medications. The Med Hub's interchangeable patient bin system provides safe, convenient storage for all medications transferred from the pharmacy to patient floors. When it's time for a med pass, medication filled patient bins can be switched quickly from the Med Hub to POC carts for easy transport to patient rooms. This procedure significantly reduces the amount of time necessary for each pass, increases accuracy, and minimizes medication errors. Medication dispensing made simple—that's just part of the Howard Advantage!



MED HUB for HI-PARADIGM/HI-PINNACLE



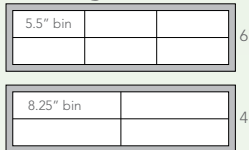
STANDARD CONFIGURATIONS

- 10-tier capacity
- Holds combination of cassettes & storage drawers
- Advanced electronic locking system
- Emergency bypass key(s)
- Touchscreen LCD control panel
- Multi-level electronic locking for narcotics (optional)
- PC connectivity via USB
- Remote management capabilities
- 12" pedestal drawer with key lock
- 3 year limited warranty

Howard Medical's Med Hub allows for secure and centralized medication storage for nursing stations or small wards. Additionally, Med Hubs can be configured with a number of storage and locking options to fit the needs of any facility.

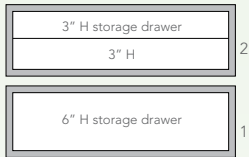
MED HUB CASSETTE OPTIONS

HI-Paradigm/Hi-Pinnacle



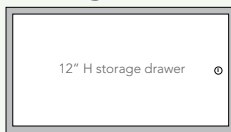
MED HUB DRAWER OPTIONS

HI-Paradigm/Hi-Pinnacle

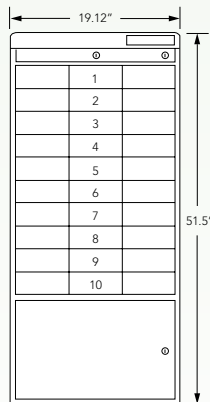


MED HUB PEDESTAL DRAWER

HI-Paradigm/Hi-Pinnacle



Med Hub Specs



MED HUB LOCKING OPTIONS

ELECTRONIC LOCKING

The main features include 500 programmable user IDs, LCD touch screen access, automatic re-lock with adjustable time-out, drawer and bin position sensing, and audit capability. Manage Med Hub settings and user IDs (locally or remotely) using Med Display and Med Manager software. A manually operated keyed override lock allows access to medication in the event of a power outage at the facility or controller malfunction.

ELECTRONIC NARCOTICS DRAWER LOCK

Med Hubs can be ordered with an optional electronic narcotics locking mechanism for use with up to three 2-tier drawers in tiers 1 & 2, 3 & 4, and 5 & 6. Med Hubs start with a 2-tier narcotics locking drawer.

PEDESTAL BASE DRAWER LOCK

To maximize storage, HI-Paradigm/Hi-Pinnacle med hubs include 12" pedestal base with key lock option. that can be ordered separately.

TRANSFER CARTS

Maximize efficiency and ease workflows by teaming Howard Medical Transfer carts with POC carts. Utilizing our interchangeable cassette system, Transfer carts make it possible for a full day's medications to be cassette-transferred securely from the pharmacy and stored in Med Hub units on patient floors. When it's time for a med pass, nurses can transfer the medication-filled cassettes directly from the Med Hub to their POC carts for safe delivery to patient rooms. It's simple; it's convenient—it's part of the Howard advantage!



TRANSFER CART for HI-PARADIGM/HI-PINNACLE



STANDARD CONFIGURATIONS

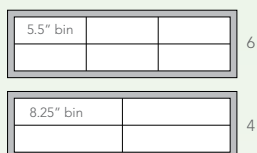
- 6" directional locking casters
- Fold back doors with locks
- Standard push handles on both sides
- Double-sided cassette storage
- 3 year limited warranty

transfer carts

Howard Medical's transfer carts allow for double-sided cassette storage. Both sides of the cart are equipped with locking doors for security. Mobility is enhanced by a set of four 6" casters, including one braking and one steering caster. Cassettes are not included with transfer carts, but can be purchased separately.

TRANSFER CART CASSETTE OPTIONS

HI-Paradigm/Hi-Pinnacle



SPECIFICATIONS

HI-Paradigm/Hi-Pinnacle

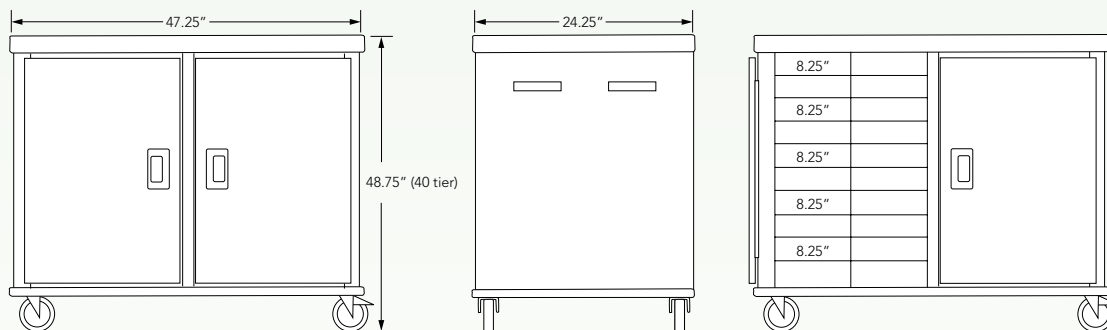
32 TIER TRANSFER CART (optional)

Number of doors: 4
 Cassette capacity: 32 tier (16 cassettes)
 Dimensions: 47.25"W x 31.5"D x 40.5"H

40 TIER TRANSFER CART

Number of doors: 4
 Cassette capacity: 40 tier (20 cassettes)
 Dimensions: 47.25"W x 31.5"D x 48.75"H

HI-Paradigm/Hi-Pinnacle Transfer Carts (40 Tier)



OUR PARTNERS

Our superior product line doesn't end with our carts. Allow Howard Medical to be your complete point-of-care solutions provider with our partners.

Computers, notebooks and thin clients



Peripherals



Infrastructure



Security software



Teleconferencing



CONTACT US

If you have any questions about our line of Howard Medical point-of-care carts or technology partner products, feel free to contact us for more information.

General Information

Toll free: 1.877.856.6441

Web

howard-medical.com

Live chat available M-F, 8-5 CST

Customer Support

Toll free: 1.888.323.3151

Social Media



facebook.com/howardmedical



twitter.com/howardmedicalcarts



linkedin.com/company/howard-medical



youtube.com/howardmedicalcarts



pinterest.com/howardmedical



gplus.to/howardmedical



instagram.com/howardmedical

Technical Support

We provide FREE telephone technical support 24/7, 365 days a year for as long as you own your Howard product. Our friendly, US-based team of experts will answer your questions about the product, hardware setup, or installation, and with telephone hold times of typically less than 1 minute!

For technical support call **888.323.3151** or visit us on the web at **www.howard-medical.com**.

HOWARDTM

MEDICAL

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