

MEDIA STORAGE

MODULAR CONSOLES



Not enough space?

Data centers are faced with many complex issues. Most revolve around the critical issue of space: a fixed amount of space for data processing and storage needs that are constantly and dramatically increasing.

Need space for new equipment?

Finding the space to house an ever expanding tape library is a challenge shared by most data centers. Using more computers, drives, silos and other equipment typically demands space that may not be available. Unless, of course, there is a way to reduce significantly the size of your tape library. Gemtrac gives you back the space you need.

How far from your desk?

Too much walking between tape mounts?

Losing productivity?

Room for the future

The unique and most remarkable aspect of Gemtrac's design is the dramatic reduction in floor space compared to conventional open tape racks.

Gemtrac is a high density, quick access storage system that makes the most efficient use of your floor space. Eliminating the wasted aisles required by open rack storage, Gemtrac can help recover up to 70% of the space currently consumed by your tape library.

This increased storage efficiency can:

Provide space for more tapes or other equipment

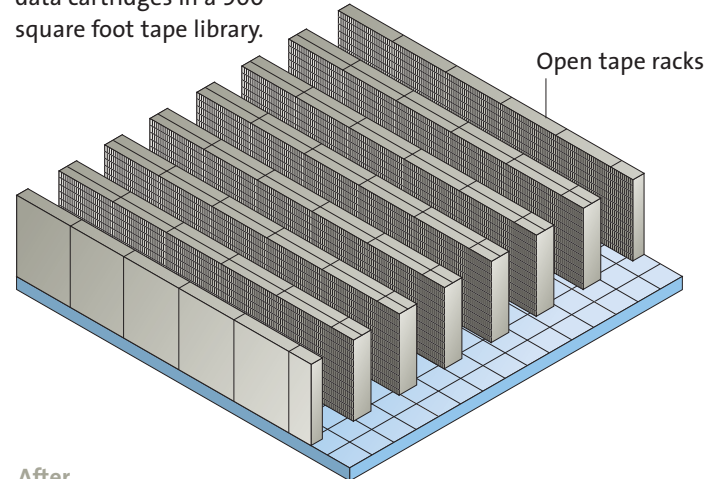
Reduce the space required for your tape library. This space typically costs \$300 per square foot to construct!

Gemtrac also boosts productivity by condensing your library into a more compact area, reducing travel time between mounts. In fact, the Gemtrac High Density Tape Library puts up to 5,600 data cartridges within arm's reach.

Save Floor Space

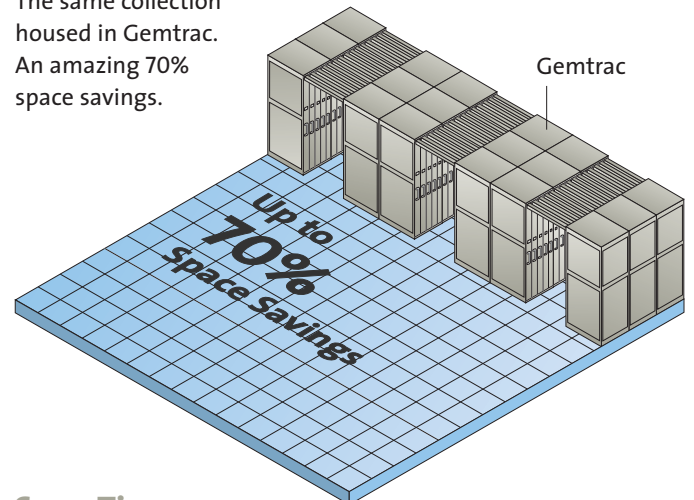
Before

Open tape racks housing 45,000 data cartridges in a 900 square foot tape library.



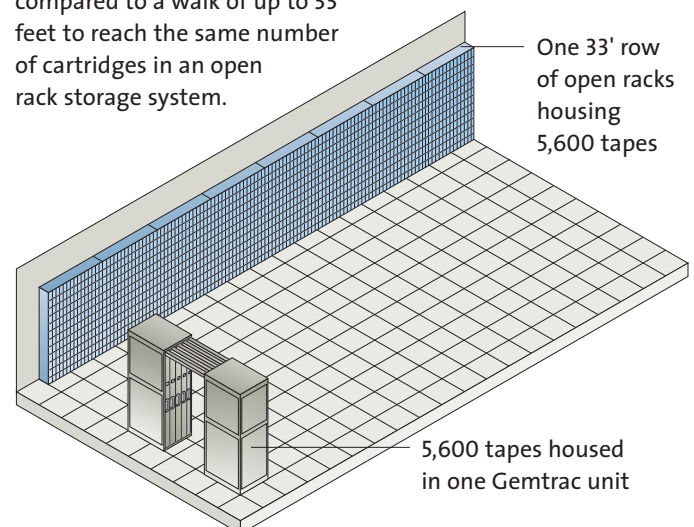
After

The same collection housed in Gemtrac. An amazing 70% space savings.



Save Time

Gemtrac can put up to 5,600 tape cartridges within arm's reach, compared to a walk of up to 33 feet to reach the same number of cartridges in an open rack storage system.





A single Gemtrac consists of two large cabinets with facing pull-out shelving (drawers) supported by overhead tracks.



A Gemtrac unit consists of two self-contained opposing cabinets linked by overhead tracks. Each cabinet holds pull-out drawers that open into a center aisle. Without taking a step, a tape librarian can stand in the center aisle and immediately reach any of the Gemtrac's drawers.

The enclosed cabinet design provides protection against dust, light and sprinklers, as well as an optional security lock. Enclosed storage also provides a neat, organized look to your tape library. None of these features are available with open tape racks.

Individual Gemtracs, with a total footprint of only 25 square feet, can be combined in a variety of configurations to form an extremely dense and attractive storage environment.

Gemtrac's removable finish panels provide easy service access to simplify installation. When installing multiple units, redundant panels can be omitted, reducing cost and weight.



Drawer Function

Gemtrac's unique design incorporates drawers (actually pull-out shelves) instead of open rows of tape racks. Gemtrac drawers are constructed entirely of heavy duty furniture grade steel, with no plastic parts to fatigue or break. Each tape cartridge is safely housed in an individual slot to insure file integrity.

The drawers are ergonomically designed to be opened with a natural pulling motion rather than the uncomfortable side-to-side motion typical of open tape racks with sliders.

Benefits

High-density storage	More tapes per square foot than any other storage system
Improved productivity	Reduced library size minimizes walking time
Quick access to media	Reach up to 5,600 tapes without taking a single step
Enclosed storage	Protects your valuable media from dust, light and sprinkler systems. Gives your tape library a clean, organized look.

Features



Steel Overhead Tracks

Sturdy all-steel overhead tracks are engineered to safely suspend heavy loads, typical of tape storage, while keeping aisles free of obstructions.



Heavy Duty Rollers

Each drawer is suspended by eight precision ball-bearing rollers to provide ultra-smooth and quiet drawer movement time after time.



All Steel Construction

Gemtrac is constructed entirely of heavy duty furniture grade steel, without any plastic parts to fatigue or break.



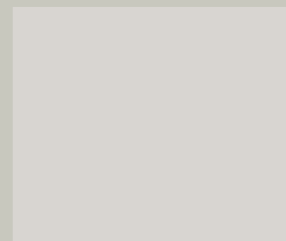
Leveling Glides

Gemtracs are equipped with high load capacity leveling glides on all corners to insure perfect alignment. Each of the eight glides has a 3" x 3" foot and a 5/8" diameter threaded shaft.



Optional Lock

For an extra measure of security, Gemtrac is available with an optional gang lock.



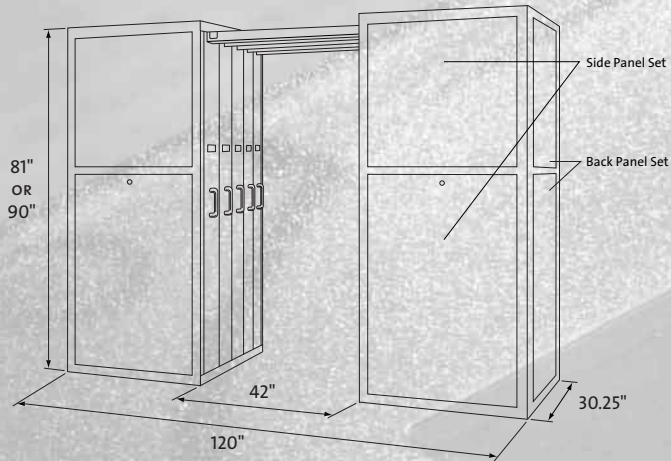
Powder Coat Finish

Gemtrac is finished in a durable and media-friendly powder coat. Units will ship standard in Neutral Gray unless otherwise specified.

Neutral Gray

Gemtrac Installations

Dimension Guide for 10-drawer Gemtrac



Gemtrac units can be double-stacked where ceiling height permits, providing massive storage in a small foot print.



TIAA/CREF, New York, New York

23 Gemtrac units housing over 106,000 tapes.



“Gemtrac has saved space and improved productivity in our data center. Our tape library looks neat and organized and the media is protected from the environment.”

“Despite rapid growth in our
tape inventory, our library is still
contained in the same size area.

Gemtrac allows us to keep the
media closer to the point of use.”

17 Gemtrac units housing
over 91,000 tapes



SunGard Computer Services, Voorhees, New Jersey



WizCom International, Ltd.
Garden City, New York

23 Gemtrac units
housing over 106,000 tapes

“By installing Gemtrac, we were able to condense our tape library to one-third of its original size. Our tape librarians perform 106,000 mounts per month, and the distance that they have to travel to access tapes has been reduced.”

Dedicated Shelves – 3480/3490/3590/9840 & DLT

Sequential Filing – No Springs



- Each drawer is designed for sequential filing applications
- 3480 and DLT dedicated Gemtrac has 10 drawers (5 per side)
- Each dedicated 3480 shelf has 35 discrete slots, DLT has 27
- Drawers available in 14 shelf or 16 shelf heights
- Unique divider system eliminates all unnecessary space between cartridges.
- No plastic parts to fatigue or break



- Fast, single motion retrieval
- Generous finger room above and below each cartridge for easy tape access



Specification Guide

Model No.	Description	Slots per Shelf	Shelves per Drawer	Drawers per Unit	Total Capacity
GD81-3480	81" Gemtrac cabinet for 3480, with Recessed Shelves	35	14	10	4,900
GD90-3480	90" Gemtrac cabinet for 3480, with Recessed Shelves	35	16	10	5,600
GD81-DLTB	81" Gemtrac cabinet for DLT, with Recessed Shelves	27	14	10	3,780
GD90-DLTB	90" Gemtrac cabinet for DLT, with Recessed Shelves	27	16	10	4,320

Dedicated Shelves – 3480/3490/3590/9840

Random Filing – with Springs



1/2" high label area on the front of each shelf



Spring loaded cartridges are easily retrieved with a gentle tap of the finger.



- Slots are equipped with cartridge-ejection springs (3480 type only)
- Designed for random filing applications or any application requiring slot labeling
- Shelf is designed to accept 1/2" high slot labels
- 3480 Gemtrac has 10 drawers (5 per side)
- Each dedicated shelf has 35 discrete slots
- Drawers available in 14 shelf or 16 shelf heights
- Unique divider system eliminates all unnecessary space between cartridges.
- No plastic parts to fatigue or break
- Optional drawer lock available



Slot labels and media labels are available for the Gemtrac system. Contact Customer Service or an Authorized Gemtrac Dealer for details.

Specification Guide

Model No.	Description	Slots per Shelf	Shelves per Drawer	Drawers per Unit	Total Capacity
GD81-3480-S	81" Gemtrac cabinet for 3480, with Spring Ejection	35	14	10	4,900
GD90-3480-S	90" Gemtrac cabinet for 3480, with Spring Ejection	35	16	10	5,600

Adjustable Shelves – Multi-Media Storage

- 3480
- 4MM
- DLT
- 8MM
- LTO
- CD-Rom

Discrete-slot Wire Racks for different media can be mixed in the same drawer Multi-media

Gemtracs contain ten 5.5" wide drawers and are available in 81" or 90" heights

Optional drawer lock available



Wire Rack



Bookend



Backstop

Adjustable Shelf Drawers

Adjustable-shelf Gemtracs, shown on this page, can store all-one-media-type within a drawer; or, several types of mixed-media - each on its own discrete-slot shelf. Adjustable Gemtracs have the flexibility to accommodate future media formats. Literally, this Gemtrac, this drawer, and this shelf should never become obsolete. Simply order a new wire rack to store a new media format! See pages 8-9 for 3480, DLT dedicated drawers with "fixed-shelf" interiors. Fixed drawers can be intermixed with adjustable drawers. Other drawer sizes available – see Promedia® series Gemtrac for additional drawer sizes, including 5", 6", 7" & 8".

Drawer Specifications

Choose from the following drawer types for maximum flexibility, with "mixed-media" applications. All drawer widths are 5.5".

Description	Slots Per Shelf	Shelves Per Drawer 81"	Shelves Per Drawer 90"	Capacity Per Drawer 81"	Capacity Per Drawer 90"	Drawers Per Gemtrac	Capacity Per Unit 81"	Capacity Per Unit 90"
3480 , adjustable shelf, including 31 slot wire rack and adjustable backstop	31	14	16	434	496	10	4340	4960
DLT, in box adjustable, 23 slot wire rack	25	14	16	350	400	10	3500	4000
DLT, no box adjustable, 31 slot wire rack	31	14	16	434	496	10	4340	4960
LTO, in box adjustable, 27 slot wire rack	29	13	14	377	406	10	3770	4060
LTO, no box adjustable, 36 slot wire rack	36	14	16	504	576	10	5040	5760
CD , adjustable in 5.5" 39 slot angled shelf	39	12	13	468	507	10	4680	5070
4mm , 47 slot wire rack	47	17	20	799	940	10	7990	9400
8mm , 37 slot wire rack	36	14	16	504	576	10	5040	5760



3480 on adjustable shelf – 31 per shelf



DLT on adjustable shelf – 25 per shelf, 31 per shelf no box



LTO (ultrium) in box & without box on adjustable shelf – 29 per shelf, 36 per shelf no box



4mm on adjustable shelf – 47 per shelf with backstop



8mm on adjustable shelf – 36 per shelf with backstop



CD angled shelf – angled to fit 5.5" shelf 39 per shelf see ProMedia series for higher capacity of CDs in a 7" drawer.

Stand-Alone Media Racks

Think of them as Gemtrac drawers, without the mobile hardware.

Maximum Efficiency

Each adjustable shelf accepts an adjustable backstop and a “discrete-slot” wire rack. Media can be positioned at the front edge of the unit for quicker visual & physical access. 5.5" deep shelves are interchangeable with data Gemtrac drawers.

Maximum Flexibility

5.5" deep cases accommodate all popular data media format sizes. As your media library migrates to new formats, change only the wire racks. The shelves and cases should never become obsolete.

BYO Media Racks

“Build Your Own” - adapt standard cases with adjustable shelves and accessories to create custom racks tailored specifically to your unique needs, as shown on the opposing page.

Pre-Configured Media Racks

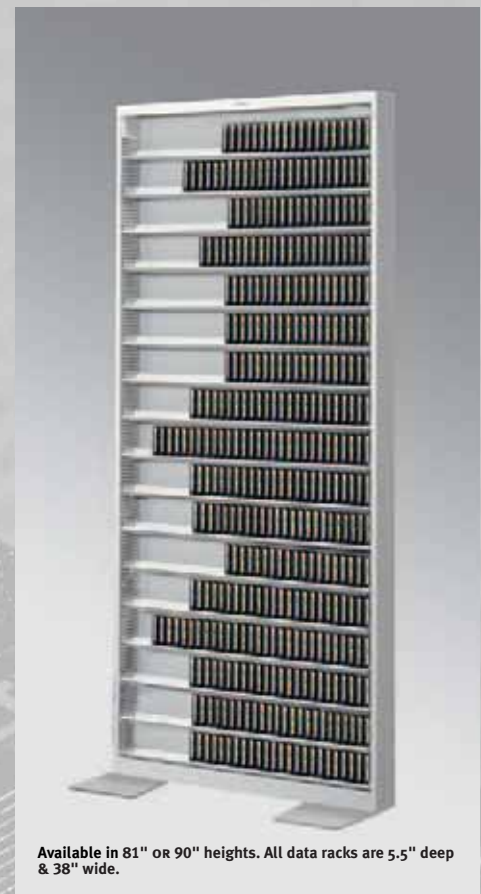
Are designed to handle the most common data media storage applications, using standard case sizes, a pre-determined number of shelves and appropriate accessories.

Staging Racks

With the addition of a simple hardware kit, standard media racks may be connected to the side of an HDTL Gemtrac to provide optional interim “in-and-out” storage or inexpensive additional capacity. 81" & 90" case heights match exactly with Gemtrac heights.

Dedicated Units

Similar to the GemTrac drawers on pages 8" & 9", dedicated racks can be specified with fixed shelves for maximum capacity.



Available in 81" or 90" heights. All data racks are 5.5" deep & 38" wide.

Stand alone media rack shown with stabilizing feet – additional anchoring may be required.

Slidetrac

Convert Stand alone Media Racks to high-density rolling Rack systems. Slidetrac works with both 81" & 90" racks, however all racks in the same system must be the same height.

Pre-Configured Base Kits

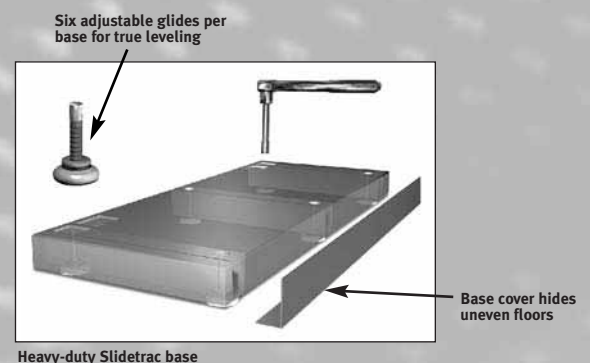
Order the exact cases, shelves and accessories that best serve your media library. Then, install them onto “pre-configured” side-to-side rolling base systems to optimize your floorspace.

Easy Access

All media is quickly accessible - visually & physically - from the front Racks. Rolling aside the Racks immediately in front provides access to secondary and back row Racks. Systems are available 2 or 3 rows deep.



A 4 wide, 3 deep Slidetrac system.



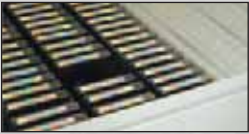
Heavy-duty Slidetrac base

Data Media Cabinets

These media cabinets are a great alternative to open racks. Smaller collections can be placed in separate locations while still providing high-density storage per square foot! All cabinets are available with optional gang locks for security. Drawers are available in different heights and can be configured with either adjustable dividers or discreet-slot wire racks. Units require no installation, are preassembled and ready to use.

Example capacities up to:

	<i>with discrete-slot Wire Racks</i>	<i>with adjustable divider</i>
3480	1,575	1,782
DLT	1,080	1,377
CD	2,624	3,456



Drawer with dedicated slot wire rack.



Drawer with Slide-N-lock divider.



Shelf with dedicated slot wire rack.



3 heights,
27", 43" & 59"

Cabinets are available with 4", 5", 6" or 7" high drawers, 30" & 48" widths.



SlimCase – Totally flexible to store binders, software and files. Everything locks up neatly behind a roll-up tambour door.



aXess units come 3 or 4 packs wide & 6 or 7 tiers tall.

aXess Racks – Double Density

aXess Media Pack Racks are factory pre-assembled and come ready to use! aXess racks improve productivity because each operator has access to a complete rack section, unlike other types of sliding racks where a whole section of media must be moved to access the back row. Simply slide the front packs to access the rear row. Packs are easy to replace as media changes.

Desience Modular Consoles

Full-Size Console System



The modular console system is the original and most advanced steel-framed console system on the market and can adapt to any application.

Open System



This OPEN modular console system incorporates the latest in ergonomic flat panel arms.

Flat Panel



Unlimited flexibility and a reduced footprint.

Server Racks

For your E.I.A. standard, 19 inch racking needs.



A Partial List of Data Operations Installations

Abbott Laboratories	Florida Department of Corrections	PepsiCo
Airborne Express	Ford Motor Company	Perot Systems
Allied Group	Fry's Food Stores	Pharmacia Upjohn
Allied Information Services	Fulton County Court System	Pharmacia Upjohn
Alltel	GTE Data Services	Philip Morris International
American Mutual Life Insurance	Hertz Reservation Center	Qualcomm
Amerus Life Insurance	Hewitt & Associates	Raytheon
Amoco Production Co.	Hewlett Packard	Rite Aid Corporation
Anthem Health Plans of Virginia	Hill Air Force Base	Secretary of State, Missouri
Apple Computer	Hughes Aircraft	Sprint
Arco Oil Company	Hyundai Motor America	St. Paul Fire and Marine
AT&T	IBM (ISSC/IBM)	State of Minnesota
B. F. Goodrich	Instinet/Reuters	State of New York Finance Dept.
Bank of America	Internal Revenue Service	State of North Carolina
Bloomberg Financial Markets	Jet Propulsion Labs	State of Pennsylvania Education Dept.
Blue Cross/Blue Shield	Kaiser Permanente	SunAmerica Financial
Boeing	Kelly Air Force Base	Sungard Computer Services
Boston University	Kemper Insurance	Tandy Information Services
Brown & Williamson Tobacco Corp.	Knight-Rider Information Systems	Texas Department of Human Services
Cellular One	Lincoln National Insurance	Texas Department of Transportation
Center for Disease Control	Lockheed Martin	Texas Instruments
Cessna	MCI International	Texas State Comptroller
Charles Schwab	Merck & Co., Inc.	The Capital Group, Inc.
CitiBank Corp.	Merck Medco	The Mayo Foundation
CitiCorp Retail Services	Merrill Lynch & Company	The Prudential
City of Los Angeles	Mervyn's	TIAA/CREF
Coca-Cola	Metro Dade County	Time Warner Communications
Colonial Penn Group	Metropolitan Life Insurance	U. S. Department of the Treasury
Concord Data	Mitsubishi Motor Sales	U. S. Federal Reserve Bank
Crowley American Transport	Montgomery County, Maryland	U.S. Air Force
CVS Pharmacies	Montgomery Elevator	U.S. Army
Delta Air Lines	Moody's Investors Service	U.S. National Archives
Department of Defense	NASA-Ames	U.S. Navy
Department of Energy	NASA-Goddard Space Flight Ctr.	U.S. Postal Service
Department of State	Nat'l Council on Compensation Ins.	Unysis Corporation
Department of the Treasury	New England Mutual Life	U.S. West Communications
DHL Airways	Nestle	Union Pacific Railroad
Direct TV	New York City Board of Education	Unisys Corporation
Dreamworks	New York Life Insurance	United Airlines
Dunn & Bradstreet Plan Services	NEXTEL	United Parcel Service
DuPont De Nemours & Co.	Nintendo	University of Miami
Eagle Food Centers	Norwest Financial	Vanguard
Exxon-Mobil	NovaNet Communications	Verizon
F.B.I.	NYNEX	VISA USA
F.D.A.	Pacific Bell	Walgreen Company
Fannie Mae Data Center	Partners/Honeywell	Western Geophysical
First Data Resources	Payless Shoes	Xerox Corporation
Fiserv	Pentagon Telecommunications	

Russ Bassett Corporation

Since 1960, Russ Bassett has been specializing in the manufacture of media filing and storage products. As an industry leader, we are continually developing new products for new media technologies. In addition to high density storage for data media, we offer a wide range of storage products for micrographic and audio-video media formats.

In 2002, Russ Bassett acquired Desience, an industry innovator in data operation consoles for over 20 years. This acquisition added solutions for all console requirements including open system and special accommodations for flat panel and large plasma displays. Applications include both operation centers and security monitoring.

Headquartered in Whittier, California, we market our products both domestically and internationally through a select network of dealers.

Our customer base includes Fortune 500 companies, banks, insurance companies, utilities, libraries, medical facilities and government agencies.



8189 Byron Road
Whittier, CA 90606
800 350 2445
562 945 2445
562 698 8972 fax
www.russbassett.com



Magnetic media supplied courtesy of Fujifilm Computer Products