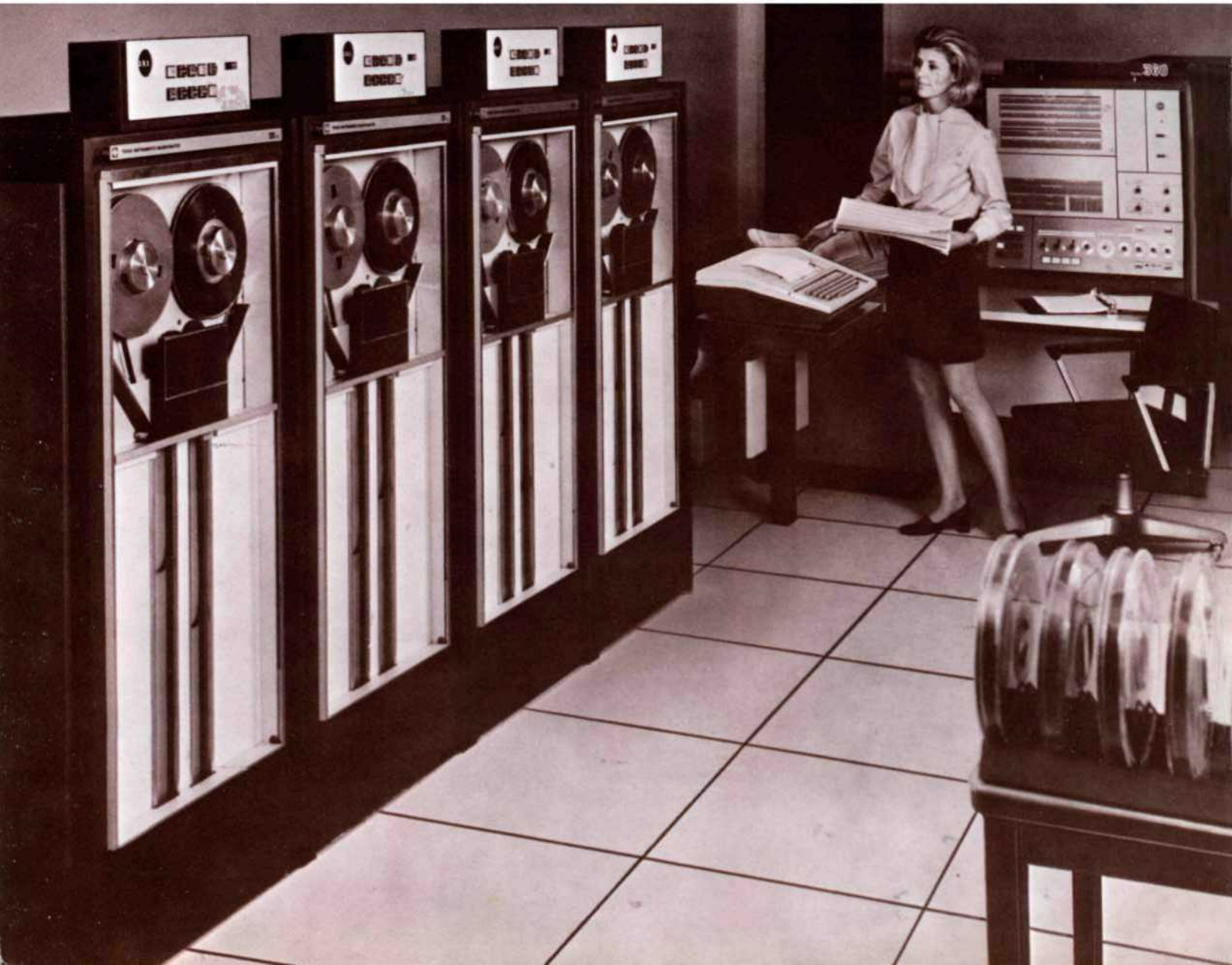


**Texas Instruments
model 924 computer tape transport**



More cost-effective data processing...



...for the System 360/370 Computer User

Series 924 Magnetic Tape units from Texas Instruments

- **Plug-to-plug compatibility**
- **Lower cost**
- **Longer tape life**
- **Higher data reliability**
- **Nationwide service facilities**
- **Four models available to replace equivalent Series 2400 units**

You can save money and improve the efficiency of your System 360/370 computer by using Series 924 Magnetic Tape units from Texas Instruments. They are complete tape units, plug-for-plug replacements for original equipment, not just tape handlers. These new units can improve the cost-and operating-efficiency of your current system, or enlarge it profitably, with equal benefits. No system modification is necessary, with four models to replace equivalent Series 2400 units.

These magnetic tape units handle your tape better, require less maintenance and repair and cost less than original equipment units. They have the same controls as the original equipment, with outstanding improvements in mechanical and electronic design.

BETTER DATA PROTECTION, LONGER TAPE LIFE

Gentle handling of valuable tapes maintains data integrity and increases the usable life of the tape. Single capstan drive starts and stops tape smoothly to eliminate tape stretching and breakage. There is no tape cinch at the reels because of the 924's control of tape tension and strictly limited reel acceleration.

Nothing contacts the recording surface of the tape except the read-write head. Glass-lined vacuum columns and ceramic spring-loaded head guides eliminate tape damage caused by friction. The permanently-aligned tape path prevents edge wear and is a major factor in minimizing skew throughout the life of the unit.

Read-write heads on all models of the Series 924 are fixed-position components, rigidly mounted to a precision-machined casting. With spring-loaded guides, the tape is always aligned properly. There are no alignment adjustments required.

Logic and control circuits use the latest micro-circuitry and semiconductor power devices. Life of the electronics is long, and maintenance requirements are minimized. A modular approach to circuit packaging facilitates ease of maintenance and repair.

MORE UTILITY

You get more uptime on your System 360/370 computer with Series 924 units. There are no belts, pulleys and gears in the TI tape drive mechanism: a direct drive to the single capstan reduces mechanics to a minimum. Elimination of failure-prone mechanical components and the use of modern electronic circuitry reduces maintenance requirements, thereby reducing system downtime. In routine maintenance, access to the unit is simple, with quickly removable side and rear panels. In addition, the design makes regular maintenance simpler, with such convenience features as hinged vacuum-column doors that open for cleaning without removing screws or other hardware.

FASTER OPERATION

Because use of the Series 924 Magnetic Tape units is essentially identical to original equipment units for the operator, there is no transition problem. Convenience features, including power window and quick-release tape hubs, are standard.

Loading and unloading the units is faster than with original equipment. After threading past the head, the TI unit loads the vacuum columns and advances the tape forward to BOT rapidly and automatically. In removing the tape, the unit automatically rewinds the entire tape to the file reel, eliminating manual rewind procedures.

SERVICE

A variety of service arrangements for both purchased and leased transports are available from TI's nationwide network of company owned and operated service facilities. Trained and experienced personnel are available at all times, anywhere Series 924 Tape units are in use. Service facilities maintain a complete stock of spares to meet all needs.

SPECIFICATIONS

	Model 2	Model 3	Model 5	Model 6
Tracks	7 or 9	7 or 9	9	9
Tape Density	200,556 or 800 bpi		800/1600 bpi	
Tape Speed	75 ips	112.5 ips	75 ips	112.5 ips
Data Rate	15KB to 60KB	22.5KB to 90KB	60KB to 120KB	90KB to 180KB
Load Time	Typically 10 sec			
Rewind Time (2400-ft reel)	Typically 100 sec at 300 ips			
Inter-Record Gap	System/360 compatible			
	0.75 in. or 0.60 in.		0.60 in.	
Tape Reels	½ in. inside width—10½ in. diameter IBM type			
Reel Hubs	Positive locking IBM compatible quick release			
Standard Features	Power window			
Optional Features	Simultaneous read-while-write available all models			
	Mode compatibility		Dual density	

Accessories:

Terminators and interconnecting cables available
Cable lengths 8, 15 or 25 ft are standard

Environment:

Temperature 50° to 90°F
Relative humidity 20 to 80% (no condensation)

Power:

12 KVA peak load, 208/230 v-ac, 60 Hz
195/220/235 v-ac, 50 Hz

Weight:

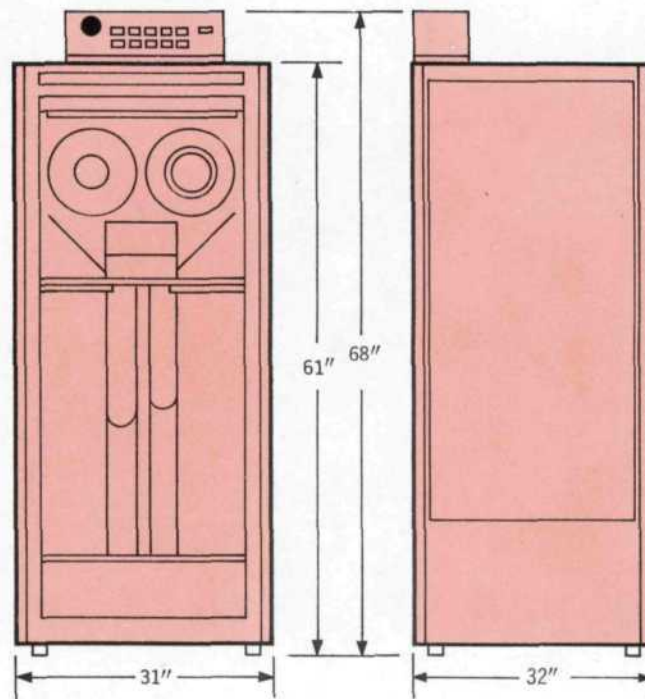
500 lb, complete cabinet assembly

Colors:

Optional red, yellow, blue, or grey to match standard system 360 decor

System 360/370 Tape Control Units and Compatible TI Series 924 Tape Units

	SERIES 924			
	Model 2	Model 3	Model 5	Model 6
2803 Model 1	•	•		
2803 Model 2	•	•	•	•
2804 Model 1	•	•		
2804 Model 2	•	•	•	•
2403 Models 1,2,3	•	•		
2403 Models 4,5,6	•	•	•	•
2404 Models 1,2,3	•	•		
2816 Model 1	•	•	•	•



Texas Instruments reserves the right to make changes at any time in the design to supply the best product possible.

Sales and Service Offices of Texas Instruments are located throughout the United States and in major countries overseas as well. Contact the Digital Systems Division, Texas Instruments Incorporated, P.O. Box 1444, Houston, Texas 77001, or call 713-494-5115, for the location of the nearest office to you.



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