Radio Shack
A Division of Tandy Corporation

FRANCHISE INTERNATIONAL 817-390-3522
1000 ONE TANDY CENTER, FORT WORTH, TEXAS 76102

CLARENCE WOODCOCK
National Sales Manager
Computer Products

To: All ASC and Franchise Stores

From: Clarence Woodcock cw

Date: November 18, 1985

Subject: New Product Announcement - Tandy 3000

Attached to this memo you will find the brochure for our New Tandy 3000 Micro computer. I have also enclosed a copy of compatibility test results provided by Future Computing.

The brochure says far more than I have space to write. However, let me take a moment to point out some important facts.

The 512K Tandy 3000 is the best valued PC/AT compatable system in the market place. It runs with a clock speed of 8 megahertz (versus 6 megahertz in the AT) so it is super fast! Also, the AT allows for 3 meg of internal memory, while the Tandy 3000 allows for up to 12 meg. It is Clearly Superior. Check out the rest of the specifications and see for yourself.

I'm sure you have noticed, we have spent a long time and a great deal of effort in restructuring our total computer line. We have played a grand game of catch up to Big Blue. With this product announcement the catch up is completed. We have superior products and a solid image in the industry. Lets sell them!

Listed on the reverse side are suggested retail and franchise cost values for the new items in our line. Check out the super margins and get your orders in early. (We expect to be in a backorder situation initially - as usual - so the earlier the order the earlier it's shipped.) Call your regional Computer Specialist TODAY for system help and to place your initial orders.

(OVER)

Radio Shack
A Division of Tandy Corporation
FRANCHISE INTERNATIONAL 817-390-3522
1000 ONE TANDY CENTER, FORT WORTH, TEXAS 76102

NEW TANDY 3000 PRODUCTS

STOCK #	DESCRIPTION	SUGG RETAIL
25-4001	Tandy 3000	2599.00
25-4010	Tandy 3000 Hard Disk	3599.00
25-4030	512K/2 Meg Memory Expansion Board	499.00
25-4033	Math Co-Processor for Tandy 3000	399.95
25-4050	1.2 Meg Disk Drive Kit	299.95
25-4051	360K Disk Drive Kit	199.95
25-4060	Hard Disk Controller Board	499.00
25-4062	20 Meg Hard Disk Kit	799.00
25-4101	MS-DOS 3.1/BASIC/DeskMate	99.95
26-0421	3-Pack 5 1/4" High-Capacity Floppy Diskette	16.95
26-0433	10-Pack 5 1/4" High-Capacity Floppy Diskette	59.95
26-1399	6' RS-232 Cable	24.95
FC-234	Tandy 3000 Brochure (25)	

NOT shipped with Tandy 3000

NOTE: Memory upgrades
Internal - use 26-5162
External - use 25-3062 with 25-4030 above
Video options - see attachment!

FUTURE COMPUTING INCORPORATED

8111 LBJ Freeway
Dallas, Texas 75251
214 437-2400
Telex 804294

TESTED

Manufacturer:	**Tandy Corporation**
Computer:	**Tandy 3000**
Operating System:	**MS-DOS version 3.10**
BASIC Interpreter:	**GW-BASIC version 3.11**
Test Date:	**October 21, 1985**

Future Computing's testing of personal computers includes a determination of whether or not a given computer will run selected top-selling software packages intended for PC-Compatible machines. A computer that can run such software is termed operationally compatible.

The above computer, operating system and BASIC interpreter combination were tested with the following software, running at 8 MHz speed. Future Computing rates the system tested as being operationally compatible with the IBM PC AT.

Programs that run include:

- 1-2-3 release 1A
- Adventure version 1.0
- CHART version 1.01
- dBASE II version 2.3D
- dBASE III version 1.1
- Decathlon version 1.00
- EasyWriter II version 2.0
- FACE
- Fido version 11
- Framework version 1.1
- GEM Draw version 1.0
- Harvard Project Manager version 1.1
- IBM PC Network Program version 1.0
- Mind Prober
- MSKERMIT version 2.27
- MultiMate version 3.30
- Multiplan version 1.0
- PC-TALK III
- Perfect Calc version 1.0
- PFS:ACCESS version C:00
- PFS:FILE version B:00
- PFS:GRAPH version A:01
- PFS:PLAN version A:00
- PFS:REPORT version B:00
- PFS:WRITE version B:00
- Pocket APL version 1.0
- R:base 5000 version 1.0
- RBBS CPC12.5B
- Reflex release 1.0
- Sea Stalker revision 15
- SideKick version 1.56A
- Smartcom II version 2.1
- SuperKey version 1.11A
- Symphony version 1.0
- Think Tank version 2.0
- TK!Solver version TK-1(2J)
- TopView version 1.0
- VisiCalc version 2.04
- Windows version 1.0
- WORD version 2.0
- WordPerfect version 4.0
- WordStar release 3.30
- WordStar 2000+ release 1.01
- XENIX version 1.0

The following IBM PC programs did not run:

- Crosstalk-XVI version 3.33 *
- MS-ACCESS version 1.0
- R:base 4000 version 1.1 *
- WORD version 1.1 *

* These programs do not run with the IBM PC AT.

Future Computing makes no representation that it tested every possible factor relating to the computer's ability to operate with the named software. The software itself was not tested for bugs, errors in operation, or results of operation.

Future Computing has performed the above tests at the request of and for the sole benefit of Tandy Corporation. Any reproduction of this statement must be made in its entirety. No reproduction of this statement's contents in part can be made.

Trademark information is on the back of this page.

FUTURE COMPUTING INCORPORATED

8111 LBJ Freeway
Dallas, Texas 75251
214 437-2400
Telex 804294

TESTED

Names of the programs listed on the front of this page are trademarks of the following companies:

Analytica Corporation
Ashton-Tate
Bitwave Technology
Borland International
Capital PC Software Exchange
Columbia University
Digital Research, Incorporated
Fido Software
Harvard Software
Hayes Microcomputer Products, Incorporated
Human Edge Software Corporation
Infocom, Incorporated
IBM Corporation
Living Videotext, Incorporated
Lotus Development Corporation
MicroPro International Corporation
Microrim, Incorporated
Microsoft Corporation
Microstuf, Incorporated
MultiMate International Corporation
Perfect Software, Incorporated
Satellite Software International
Software Arts, Incorporated
Software Publishing Corporation
Sorcim/IUS Micro Software
STSC, Incorporated
The Headlands Press, Incorporated
VisiCorp

A McGraw-Hill Company

PRODUCT PROFILE

The New Tandy 3000 Computer

The difference is power. It's the feeling you get knowing *you're* in command, not your computer.

System overview

Microprocessor: 8-megahertz, 16-bit Intel 80286.

Memory: 512K RAM standard, expandable to 640K on the main board and up to 12 megabytes under Xenix.

Disk Storage: 1.2-megabyte 5¼" floppy disk drive. 20-megabyte hard disk drive also available.

Keyboard: 84 keys, 6' coiled cord.

Display: Optional 12" diagonal monochrome or 14" diag. color monitors.

Optional Graphics: 320×200 in 16 colors, 640×400 in 4 colors.

Optional Operating Systems: MS™-DOS 3.1, XENIX™

The computer for a new generation

As a computer owner, you have personally participated in the computer revolution—and the evolution of modern business. And if you're ready to continue getting ahead and not just getting by, your time has come.

You don't have to be a power user to appreciate the new PC designed by Tandy. Because you know what PC's have and haven't been capable of, you are in a perfect position to visualize what is now possible with the incredible power of the new Tandy 3000 personal computer.

There's power to tackle a multitude of data-intensive jobs with ease. Power to complete these jobs in record time. And power to share among several people in your office.

It's all possible with the new Tandy 3000 personal computer.

We've made high-technology affordable

Make no mistake about it, this system is pure power, from the microprocessor up.

The Tandy 3000 is designed with Intel's advanced technology 80286 chip for the ultimate in speed and performance. Its 16-bit architecture is designed to operate at 8-megahertz, twice that of current industry standards.

The Tandy 3000 is available with the latest MS-DOS 3.1 operating system, and is compatible with IBM PC/AT and PC/XT software. But software compatibility is only one of many reasons to choose the Tandy 3000.

Multi-tasking, multi-user capability

The Tandy 3000 is designed to use the forthcoming XENIX™ 5.0 multi-user operating system. In such a configuration, multiple display terminals will be able to tap the high-performance 80286 cpu.

Thanks to its high processing speed, three to six users throughout an office will be able to use the Tandy 3000

simultaneously. Each user can work independently on such projects as accounting, word processing and electronic filing. All of the users can share the Tandy 3000's accessories, eliminating the need for a printer or modem at each workstation. Thus, each remote user has the power of a fully configured computer system for the price of a terminal. It's the low-cost solution for office automation.

Network ready

In offices already equipped with MS-DOS computers, the Tandy 3000 is the link that brings all of them together. Using the ViaNet Local Area Network (LAN), resources on the network will be available to each user.

Users may share programs, data and such costly resources as letter-quality printers or hard disks. The high operating speed of the Tandy 3000 is available to all users, for the ultimate in network throughput.

Operating system commands work precisely the same under ViaNet as in a stand-alone environment. ViaNet is a field-proven MS-DOS network, and is available as an option for the Tandy 3000 computer.

Engineered for excellence

The Tandy 3000 lets you choose from a wide variety of business software, including programs you may currently be using with a Tandy 2000, 1200, 1000, or IBM PC, PC/XT, and PC/AT. The Tandy 3000 is compatible with PC/AT software—even down to the layout of the detachable keyboard.

To accomodate the powerful programs that can take advantage of a computer with such power, the Tandy 3000 comes with one-half megabyte of main memory (512K RAM). This memory may be expanded to 640K without using an expansion slot.

The Tandy 3000 personal computer is equipped with a high-capacity 5¼" slim-line floppy disk drive. For the utmost in compatibility, this drive can read 1.2 megabyte and 360K formats for use with either IBM PC/AT or IBM PC diskettes.

This is Tandy's most powerful computer ever.

In addition to the 5¼" floppy drive, the Tandy 3000 HD includes a built-in 20-megabyte hard disk drive for fast access to volumes of important data.

The built-in real-time clock with battery backup allows for automatic posting of all jobs, process control and other time-sensitive applications.

A serial/parallel adapter is standard, making the Tandy 3000 ready to interface such peripheral devices as telephone modems, printers and precision plotters.

Remarkable expansion opportunities

When the Tandy 3000 was designed, it was recognized that power of this magnitude would be underutilized unless there were provisions for extensive expansion. That's why the Tandy 3000 is equipped with ten expansion slots, inlcuding 7 PC/AT compatible slots, 2 PC/XT compatible slots, and 1 PC/XT compatible half-slot for the serial/parallel adapter.

By using the expansion slots, you can expand the main memory to an astounding 12 megabytes (under XENIX), more than enough for most engineering, scientific and other complex computations.

Disk storage is expandable to include two floppy disk drives and one hard disk drive, or one floppy disk and two internal hard disk drives. Total internal storage capacity can thus exceed 40 megabytes.

When outfitted with the optional 80287 math co-processor, the Tandy 3000 doubles the processing speed of complex numerical calculations. This is the ideal configuration for scientific, statistical and other math-intensive applications.

External expansion with a telephone modem, letter-quality, daisy wheel printer, high-speed dot-matrix printer or color ink jet printer is all possible with the 3000.

Summary

The Tandy 3000 represents the next level of sophistication in microcomputer performance. Indeed, because of its multi-user and networking capabilities, it is more accurate to refer to the 3000 as a *superworkstation* rather than a personal computer.

In any case, if you consider yourself or your business to be an overachiever, consider this your computer.

The Tandy 3000 is Tandy's newest personal computer.

The standard configuration of a Tandy 3000, has:

- 8MHZ 16-bit 80286 microprocessor
- 512K of memory
- internal 20 megabyte hard disk
- 1.2 megabyte floppy disk drive
- combination serial/parallel adapter
- PC/AT compatible keyboard

In addition, Tandy offers five different video card options on the Tandy 3000 which can be used in combination with 7 different monitor choices.

An analysis conducted by Future Computing found the Tandy 3000 to be operationally software compatible with the IBM PC-AT. Note however, that:

- The Tandy 3000 has a faster processor clock than that of the IBM AT, the Tandy 1000, 1200, and IBM PC compatibles. Applications developed for the slower processors may appear too fast for use on the Tandy 3000.

- The instruction set of the 80286 processor inthe Tandy 3000 and IBM AT differsfrom the instruction set of the 8088 processor found on the Tandy 1000, 1200, and IBM compatibles.

As a guide in selecting MS-DOS software and video configurations for the Tandy 3000, a chart of video adapters and monitors, and a list of retail and EOS software is provided on the following pages. In the chart of Video Options, the available video alternatives have been conveniently simplified into five basic configurations marked as configurations A through E. A sixth configuration (F) is included to illustrate applications which run on the Tandy 1000. Following the chart of Video Options is a list of applications that run on the Tandy 3000 with recommended configurations, and some added installation notes and suggestions for effective use.

Below is general information on using applications with the Tandy 3000:

- The Tandy 3000 is capable of reading and writing diskettes in 360K or 1.2M mode. However, if a diskette formatted in 360K mode is written in a high capacity 1.2M diskette drive, the information may not be reliably read in a 360K disk drive. Conversely, diskettes which are designed exclusively for use in a 1.2M disk drive may not be used in a 360K diskette drive.

- When using the Tandy Graphics Master (26-3044) or the Tandy Deluxe Graphics Display Adapter (26-3047) with a monochrome monitor, jumper the E3 & E4 pins within the Tandy 3000 for color and configure the system with the SETUP program for color 80 column display.

- When using a Tandy PC 695 (26-2830) or a Hewlett Packard plotter with the Tandy 3000, connect the 9 pin DIN to DB25 adapter cable (26-1399) to the RS-232 port, and then connect the cable for the appropriate plotter to the 25-pin connector.

- When using the Tandy 3000 under ViaNet, be sure to configure the ARCNET board and modify the vianet.bat file as documented in the addendum for ViaNet (26-1221).

- To use a Tandy DIGI-Mouse on the Tandy 3000, you will need the Plus Mouse/Calendar Board (25-2015) & the Tandy Plus Adapter Card (25-2016).

Video Options

	VM-1 26-5140	VM-2 26-3211	VM-3 25-3010	CM-1 26-5112	CM-2 26-3212	CM-4 25-1021	Composite or TV
25-3040 (A) Mono Display Adapter			YES				
25-3043 (B) Tandy Graphics Display Adapter		YES	YES		YES	YES	YES
25-3044 (C) Tandy Graphics Master Adapter		YES	YES		YES	YES	YES
25-3046 (D) Tandy Deluxe Display Adapter	YES			YES			
25-3047 (E) Tandy Deluxe Graphics Display Adapter	YES			YES			
25-1000 (F) Tandy 1000 Personal Computer		YES			YES	YES	YES

Retail Products

CATALOG #	PRODUCT NAME	VERSION	CONFIGURATIONS
25-1115	BC's Quest for Tires	01.00.00	B,C,E,F
25-1121	Cutthroats	01.00.00	A,B,C,D,E,F
25-1140A	PFS:File	02.00.00	A,B,C,D,E,F
	Note: The PFS:Back program will not allow backup of the program disk to a 1.2M formatted disk.		
25-1141A	PFS:Report	02.00.00	A,B,C,D,E,F
	Note: The PFS:Back program will not allow backup of the program disk to a 1.2M formatted disk.		
25-1142A	PFS:Write	02.00.00	A,B,C,D,E,F
	Note: The PFS:Back program will not allow backup of the program disk to a 1.2M formatted disk.		
25-1143A	PFS:Graph	02.00.00	A,B,C,D,E,F
	Note: The PFS:Back program will not allow backup of the program disk to a 1.2M formatted disk.		

Retail Products

CATALOG #	PRODUCT NAME	VERSION	CONFIGURATIONS
25-1144A	PFS:Plan	02.00.00	A,B,C,D,E,F
	Note: The PFS:Back program will not allow backup of the program disk to a 1.2M formatted disk.		
25-1146	Quartet	01.01.00	A,B,C,D,E,F
25-1149	Friday!	02.41.00	A,B,C,D,E,F
25-1158	Custom Font System	01.00.00	A,B,C,D,E,F
25-1152	Multiplan	01.20.00	B,C,D,E,F
25-1159	Managing Your Money	01.00.00	A,B,C,D,E,F
25-1160	Omniterm 2	05.06.00	A,B,C,D,E,F
25-3170	Wordstar	03.31.00	A,B,C,D,E,F
	Note: Select either Tandy 1200 or 1000 computer during the installation process.		
25-3171	Scripsit/PC	01.00.00	A,B,C,D,E,F

Retail Products

CATALOG #	PRODUCT NAME	VERSION	CONFIGURATIONS
25-3190	dBASE III	01.00.00	A,B,C,D,E,F
25-4101	Deskmate/PC	01.01.00	A,B,C,D,E,F
26-5251	GWBasic Compiler	01.00.00	A,B,C,D,E,F
	Note: The product must first be copied to 360K diskettes on a Tandy 2000.		
26-5252	Macro Assembler	01.01.00	A,B,C,D,E,F
26-5254	Lattice C Compiler	01.00.00	A,B,C,D,E,F
26-5257	Cobol Development	01.05.00	A,B,C,D,E,F
	Note: The product must first be copied to 360K diskettes on a Tandy 2000.		
26-5261	Softerm PC	03.10.00	A,B,C,D,E,F
26-5282	VersaCad Entry Level	01.00.00	B,C,E,F
	Note: Use the 1200 version. The entire application may be copied to one 1.2M diskette.		

Retail Products

CATALOG #	PRODUCT NAME	VERSION	CONFIGURATIONS
26-5325	Offix	01.00.00	A,B,C,D,E,F
	Note: The distribution diskette must be present to run Offix, but the high capacity drives do not recognize the copy-protected disk the first time. It is necessary to try twice to enter the program. Under configuration E, the cursor remains on the screen after program entry.		
26-5352	dBASE II	02.41.00	A,B,C,D,E,F
26-5354	Cornerstone	01.00.00	A,B,C,D,E,F
26-5376	Witness	01.00.00	A,B,C,D,E,F
26-5377	Planetfall	01.00.00	A,B,C,D,E,F
26-5379	Flight Simulator	02.11.00	B,C,E
	Note: When running the program select the option to use the Tandy 1200 keyboard.		

Retail Products
Not Recommended for Use

CATALOG #	PRODUCT NAME	VERSION
25-1110	Demon Attack	01.00.00
25-1111	One on One	01.01.00
25-1112	Pinball Construction	01.00.00
25-1113	Lode Runner	01.00.00
25-1114	Wizard of Id	01.00.00
25-1117	King's Quest	01.00.00
25-1120	Micro Illustrator	01.00.00
25-1123	Touchdown Football	01.00.00
25-1128	King's Quest II Note: Product may operate too fast.	01.00.00
25-1153	MS-Word Note: Requires version 02.00.00 currently available from Microsoft.	01.00.00
25-3160	Framework Note: Requires version 01.01.00 currently available from Ashton-Tate.	01.00.00
26-5255	MS-Fortran Note: Version 03.30.00 available through EOS (90-0486).	03.13.00
26-5256	MS-Pascal Note: Version 03.30.00 available through EOS (90-0487).	03.13.00
26-5384	Millionaire	01.00.00

Express Order Software

CATALOG #	PRODUCT NAME	CATALOG #	PRODUCT NAME
90-0199	Real World AR	90-0396	MAI Accounts Payable
90-0200	Real World AP	90-0397	MAI Accounts Receivable
90-0201	Real World GL	90-0398	MAI Inventory Control
90-0202	Real World PR	90-0399	MAI Payroll
90-0203	Real World IC	90-0400	MAI Order Entry
90-0204	Real World OE/BILL	90-0401	MAI Purchase Order
90-0205	Real World SA	90-0402	MAI Financial Statements
90-0225	Better BASIC	90-0403	MAI Fixed Assets
90-0249	WordPerfect 4.0	90-0404	MAI Sales Analysis
90-0250	Teleterm	90-0405	MAI Business Bas/Mic
90-0270	Omniterm 2	90-0406	MAI Report Writer
90-0296	Samna Word III	90-0407	Super Utility/PC
90-0305	ABstat	90-0412	VersaCad Advanced
90-0314	Smart System	90-0479	MS-Pascal 3.3
90-0316	Smart Database	90-0480	MS-Fortran 3.3
90-0318	Smart Spreadsheet	90-0481	Macro Assembler 3.1
90-0320	Smart Word Processing	90-0482	Quick Basic
90-0337	Print Master	90-0483	MS-Cobol 2.1
90-0342	GEM Desktop	90-0484	MS-C 3.0
90-0343	GEM Draw		
90-0395	MAI General Ledger		

Not Recommended for Use

CATALOG #	PRODUCT NAME	CATALOG #	PRODUCT NAME
90-0153	BPI General Acctng	90-0247	Open Access
90-0169	HD Accounting G/L	90-0349	Basic Builder
90-0170	HD Accounting A/R	90-0369	BPI Accounts Receivable
90-0171	HD Accounting A/P	90-0370	BPI Payroll
90-0172	HD Accounting P/R	90-0371	BPI Inventory Control
90-0173	HD Accounting INV	90-0372	BPI Accounts Payable
90-0174	HD Accounting J/C		