

Tektronix®
COMMITTED TO EXCELLENCE



TM 500 • Designed for Configurability

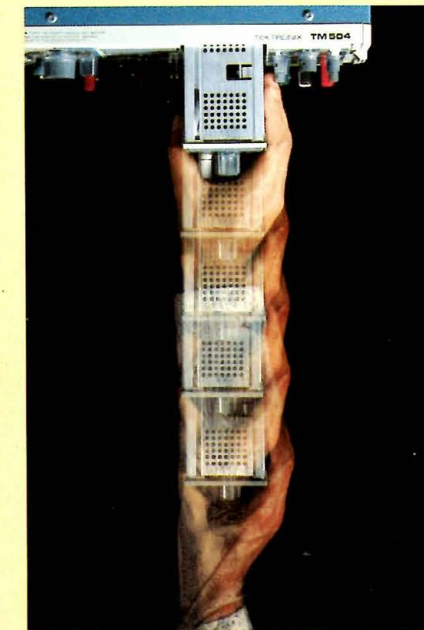
The latest word in test and measurement instrumentation.

CONFIGURABILITY

"Configurability" means a mouthful.

When the TM 500 approach to test and measurement instrumentation was developed, we combed the dictionary for one word that might describe it.

Though it was unique, it seemed like a simple concept: A variety of compact, interchangeable instruments that could easily function individually or in combination.



Several words came close to describing this idea. One was *modularity*. Each TM 500 device—whether a multi-meter or power supply, oscilloscope or logic analyzer—is designed as a plug-in module to fit into any TM 500 mainframe with other modules. Instruments are interchangeable in seconds so you can slip together a system for one test, then rematch the set using other modules for a completely different application. Nearly 40 different TM 500 instruments are available.

But *modularity* didn't say enough.

Integrated seemed to get several ideas together. The back of each TM 500 plug-in has connectors which slide into the connectors of the mainframe's "mother board." The "mother board" allows the user to interface the plug-ins with one another and with other devices external to the mainframe.



We also considered *flexibility* because it covered a lot of ground. TM 500 mainframes can be racked, stacked or rolled around on TEKTRONIX Lab Carts. You can pack up to 5 instruments in a TM 515 Traveler Mainframe which looks (and fits under the seat) like a handsome carry-on flight case.

But no single word captured the most popular features of the TM 500 concept, namely the ability to mix and match several mechanically and electrically interfaced instruments quickly and conveniently.

So we forged our own word.

Configurability.

For testing and measuring, configurability means just about everything: A logic analyzer with digital delay. A plug-in oscilloscope with function generator, counter/timer and digital multi-meter. You name it. The combinations run into the hundreds.

Exactly what configurability can mean to you is something to figure out for yourself.

At any rate, you might just add it to your vocabulary so the next time you get tied up in benchwork or run short of plugs on the floor, you'll be able to describe, in one word, exactly what you need.

TM 500 Configurability.

It puts a mouthful of performance, convenience and efficiency in one place, right where you need it.



Lots of plug-ins, not a lot of plugs.

Let's start with your workbench.

If you're plugging along with a bench-load of single-function instruments that necessitate picking your way through a maze of spaghetti to set up for a test, maybe it's time to do some spring cleaning.

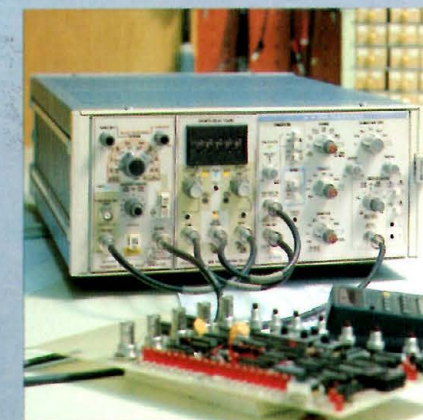
With TM 500, you can load up to 6 modular instruments in a single mainframe and build a custom system of instrument interfacing. You can focus on the task to be performed, instead of getting sidetracked with set up.



You'll save time and clutter when you have the ability to configure, in seconds, a variety of systems for testing and measuring. You can combine everything from state-of-the-art function generators to workaday digital multi-meters to oscilloscopes and word recognizers.

And each individual instrument delivers the performance you've come to expect from 30 years of Tektronix reliability and accuracy.

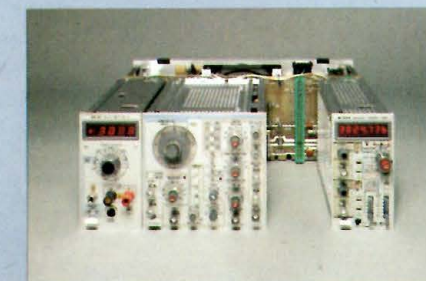
Through electrical configurability and mainframe interfacing, you can create an instrument more powerful than the sum of its parts, like combining two pulse generators with a digital delay module to create a logic system with self-contained burst generation.



And, if you're keeping a close measure on costs, remember that a significant part of the price of every single-function instrument is its power supply. But with TM 500, one power supply is shared by several instruments, so you can add on more performance capabilities for less money.

TM 500 configurability not only allows you to choose from nearly 40 ready-to-go, compact plug-ins for testing and measuring, but the mainframe also makes room for compatible custom plug-ins you assemble yourself with a TM 500 custom Plug-in Kit.

TM 500 electrical configurability is a neat idea in other ways, too. It gives you lots of plug-ins, not a lot of plugs.



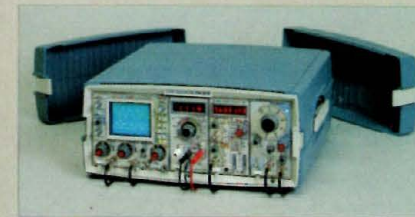
Instrumentation a la carte.

Whether your daily rounds include routine checks on the production floor, periodic R & D measurement at the bench, quality control inspection of in-coming components or on-site customer maintenance, there's a TM 500 mainframe that gets all your instrumentation together and keeps it close at hand.

TM 500 instruments slide into any one of several power-module mainframes, available in six versions accepting one instrument or combinations of up to six.

The ultimate in modular instrument portability is the TM 515. For on-site applications across town or across the country, you can't beat it. With the front and rear covers snapped in place, it looks like a carry-on flight case.

Pop the covers off and it acts like a benchtop lab with up to five instruments.



Benchtop models, fitted with tilt bails and front panel switches, also sport a tough-tested handle and cord-wrap feet, providing a fair amount of portability, especially if you pick up an optional protective front cover.

You can set one or more benchtop mainframes in the mounting trays of a TEKTRONIX Lab Cart, combine them mechanically, even electrically, with monolithic instruments on the same cart and create an extremely versatile rollabout test laboratory. Fully loaded for a variety of applications, you can slip down crowded aisles, across the production floor or into tight quarters, like the confines of an X-ray booth, to deliver everything you need to solve the problem in one trip, not several.

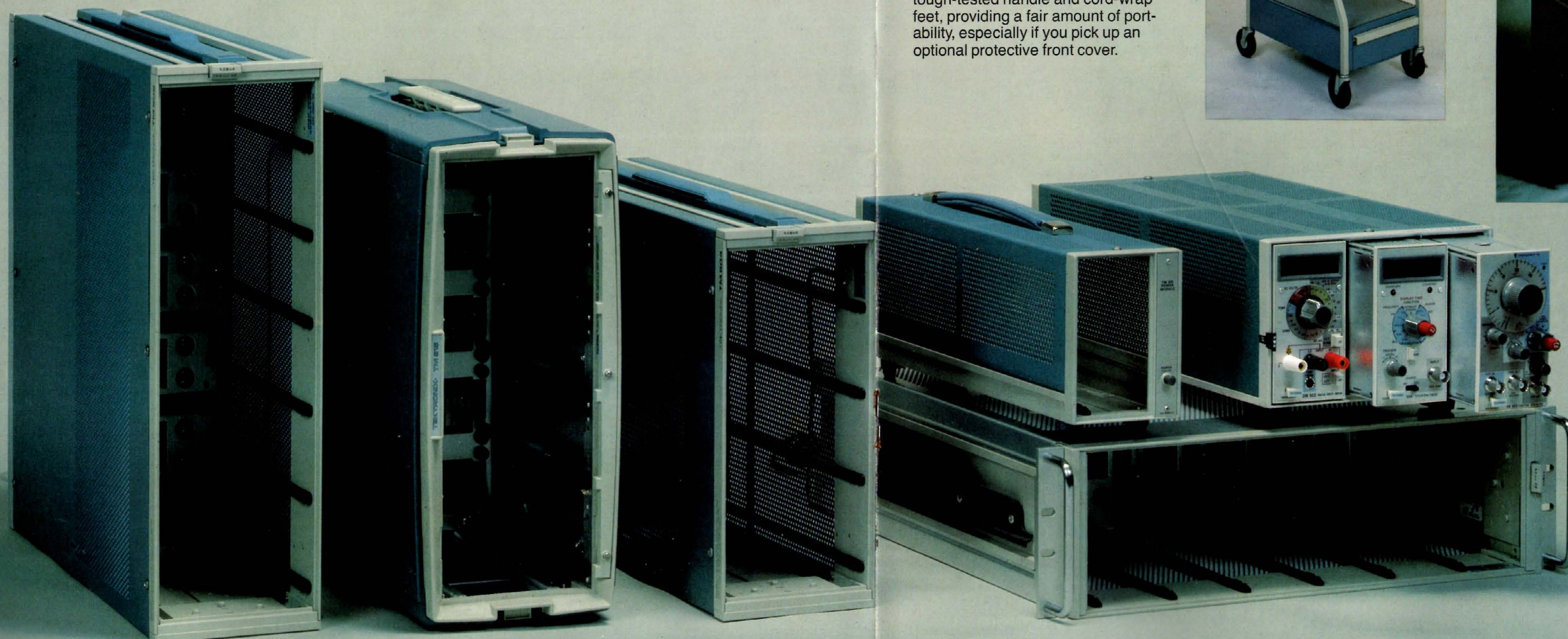


If you're set up with a rack or console arrangement, TM 500 Rackmount Mainframes feature a slide out assembly, lateral grips and a powerful ventilation fan.

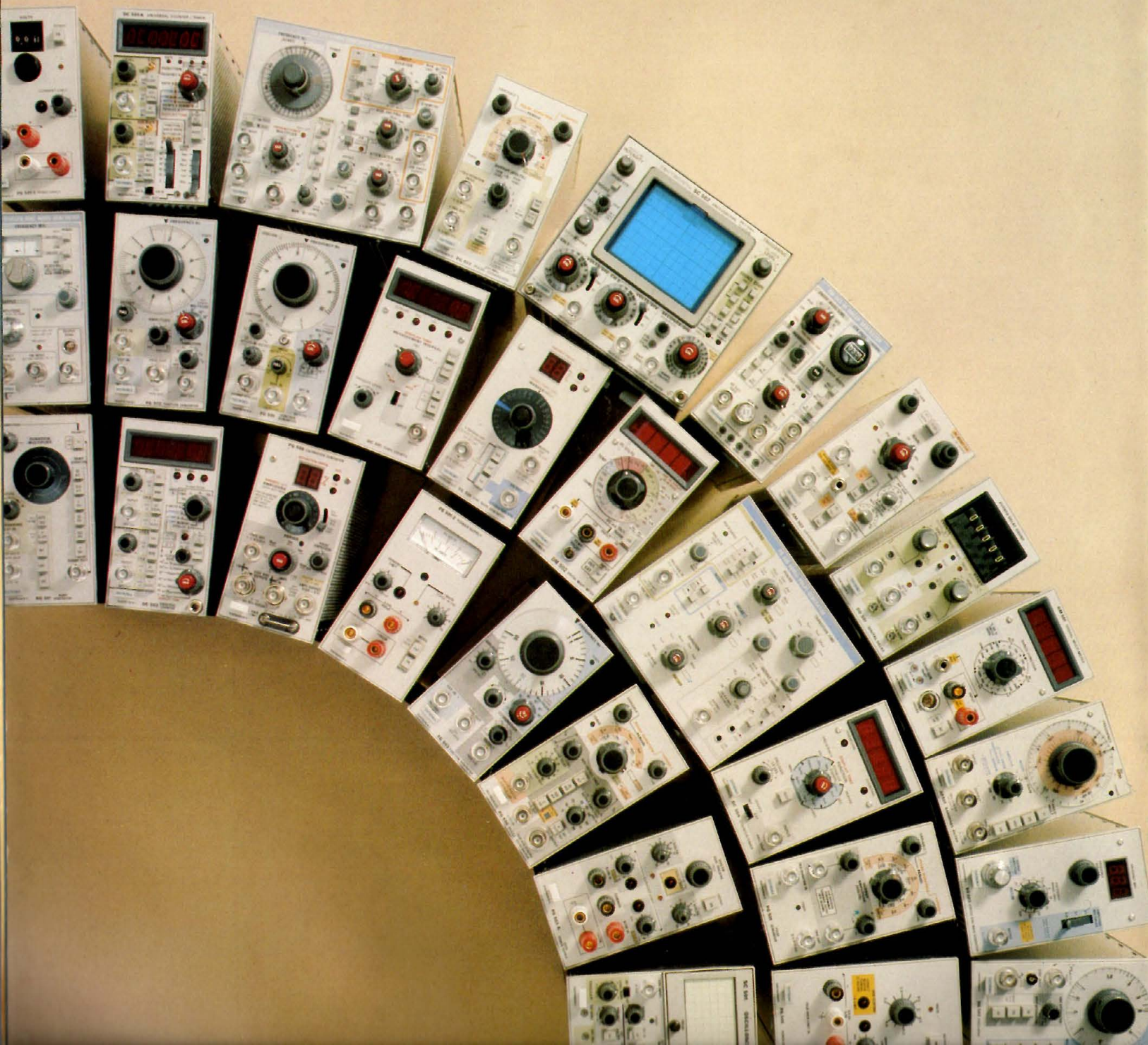


There's even a TEKTRONIX Rackmount Rack Cart. It has a flat-top surface to carry documents or to use as a work space for taking notes.

No matter where your work takes you, take TM 500—racked, packed or ready to roll.



The TM 500 Family Circle.



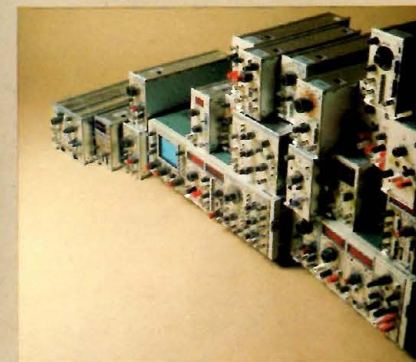
Most "series" or "lines" of instruments share the same basic function. Not so with TM 500.

TM 500 functions run the gamut from DMMs to Word Recognizers. Yet all are related by their mechanical and electrical configurability and, since they are related, they share the same "family" name, TM 500.

They cover a wide range of general purpose and specialized applications, too.

With TM 500 instruments and mainframes, multi-function packages can be created to encompass thousands of applications to a tee.

When it comes to talent, it's all in the family.



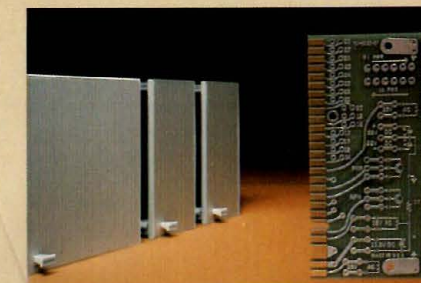
TM 500 is also a growing family.

New instruments with higher performance capabilities are continually being generated at Tektronix to meet new needs.

Each new TM 500 instrument is configurable with any other TM 500 instrument, so you can update your system with the latest developments without starting from scratch.

To complement your TM 500 System, Tektronix offers accessories including a Rise Time Limiter, a one-shot Manual Trigger Generator, front panel circuit board adapter kits, protective covers, battery packs, cables, probes and transducers.

Of course, there will be mavericks in any family, non-standard items for one-of-a-kind applications. That's why we offer TM 500 Custom Plug-in Kits so you can assemble an analog multiplier, special relay circuit, converter or whatever that's configurable mechanically and electrically with your TM 500 system.

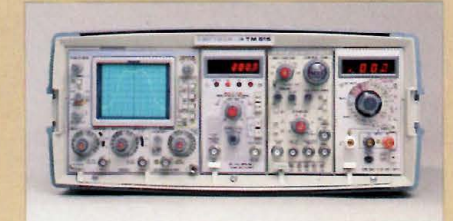


Here are some examples of TM 500 application diversity:

CMOS Designer's Bench System



RF Sweeper Travel Lab



Low Cost Education Package



Flexible Signal Generation System



Medical Instrumentation Calibration System



Tektronix Quality, Service and Performance.

Tektronix is respected around the world as one of the leading manufacturers and suppliers of test and measurement instrumentation. We move in, out and around thousands of R&D, laboratory, production and service environments.

Our goal is to provide you with products and services of "unmatched value," ones that give you the highest return for your investment, like the TM 500 family of modular instruments.

To accomplish this Tektronix invests millions of dollars each year to develop high performance features you won't find elsewhere. Tektronix was one of the first to introduce and manufacture interchangeable plug-ins years ago.

Each TM 500 instrument and mainframe is carefully built, from integrated circuits to outer housing, insuring top quality and performance reliability. All components are life-cycle tested in TEKTRONIX Environmental and Reliability Laboratories.



In addition, with each new TM 500 product, ease of operation, adaptability, safety features and serviceability are primary considerations. And when these are accomplished we concentrate on appearance.

After all, you want more than just a pretty face. You need performance and flexibility you can get your hands on.

You get some important items with your TM 500 System that don't fit in the mainframe.

One is prompt service, by knowledgeable and highly skilled technicians who repair Tektronix products and no others.

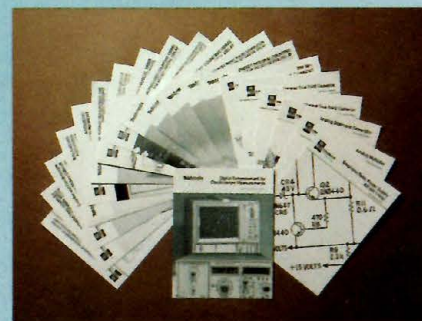
No matter where in the world your organization goes, Tektronix is with you all the way with over 500 service personnel at 46 Tektronix Service Centers across the U.S.A. and hundreds of Tektronix supported and supplied service technicians in over 50 other countries.



We offer Maintenance Contract Agreements and Blanket Repair Agreements to extend coverage beyond the warranty period, and a Long-term Product Support Program so you'll still be able to obtain unique replacement parts and subparts for years to come.

We offer a Comprehensive Customer Maintenance Training Program of classroom instruction and extensive audio and video-tape materials for self-learning. Ask your Tektronix Sales Engineer for a copy of our "Customer Training Catalog." You could learn something.

With your TM 500 System you can obtain advice and materials for numerous applications together with detailed Construction Notes for building your own custom plug-ins.

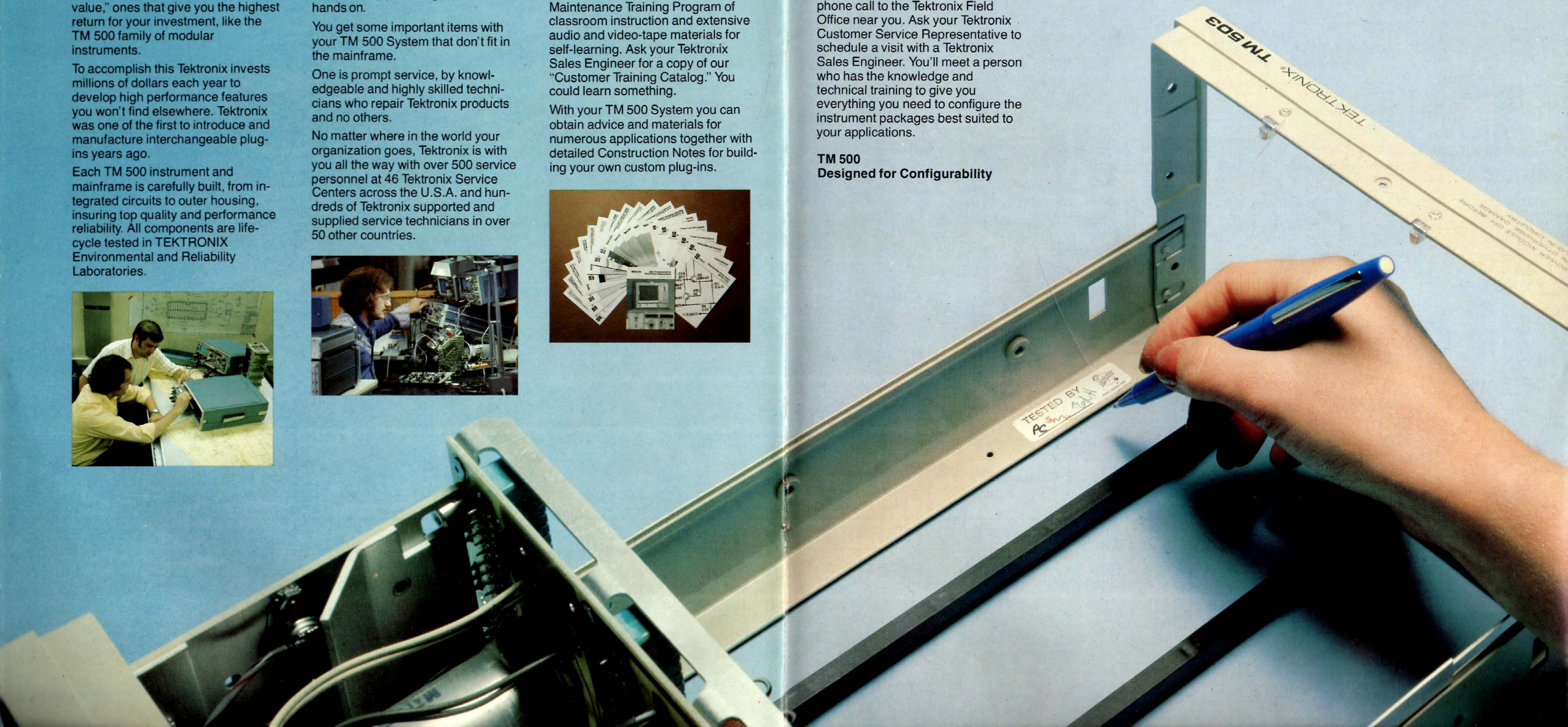


Get your hands on TM 500 Configurability.

We don't expect you to base your buying decisions on a lot of verbiage. Your applications have to be satisfied. You want a demonstration of performance, prices, a written agreement and a taste of the quality of services you'll receive with your TM 500 system.

You can get all this with a simple phone call to the Tektronix Field Office near you. Ask your Tektronix Customer Service Representative to schedule a visit with a Tektronix Sales Engineer. You'll meet a person who has the knowledge and technical training to give you everything you need to configure the instrument packages best suited to your applications.

TM 500 Designed for Configurability



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