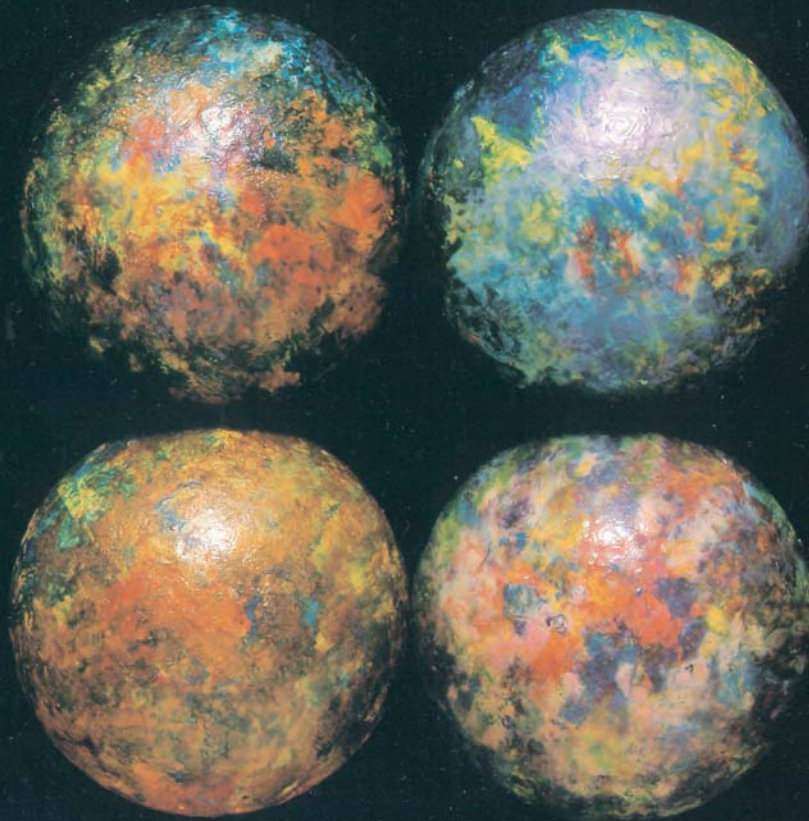


Engineered Custom Test Equipment Short Manufacturing Run Custom Products

Fiber Optic * Microwave/RF * Advanced Technologies
Consulting * Engineering * Manufacturing * Support
Commercial * Industrial * Defense * Emerging Industry



YOUR NEEDS ARE AS UNIQUE AS A WORK OF ART

Fiber Optic Translators - Transmitters, receivers, transceivers, regenerators, & wavelength converters. Single mode and multi-mode. Analog and/or digital NRZ, RZ, CRZ, etc. modulation. Direct, EA, or Lithium Niobate modulators. Fixed or tunable OTX and/or ORX. One or more wavelengths and/or channels. WDM, CWDM, DWDM. 850, 1310, 1550 nM, etc. Data rates to ~43 Gb/s. Extended temperature range and/or military ruggedizing. VOA, O or E splitters, power monitors, SBS suppression, microwave breakouts, many other options.

Clock Regenerators - Specialized fiber optic and/or microwave receivers with digital clock or clock-data recovery, analog passthru available. Binary or multi-level data versions. 850, 1310, 1550 nM, etc. Single Ended or Differential 50-75-100-150 ohms. Data rates to ~13 Gb/s. Useful for Sampling oscilloscope eye pattern triggers and data-only jitter tests.

Fiber Optic Spans - Programmable communication "superhighway in a box". Real lengths to 1,000+ KM single mode fiber. Useful for fiber optic transmitter, receiver, amplifier, etc. dispersion, compensation, and regeneration tolerance tests.

FEC Translators - Transmitters, receivers, and transceivers with forward error correction between SONET, SDH, 10GE, G.709, G.975, Super-FEC, etc. up to ~13 Gb/s, many options

Many Other Choices - Electronic Translators. Precision Functional Test or Assembly Fixtures. Communication Switch Matrices. Critical Process Equipment. High Voltage Equipment. Specialized Research Equipment. Test Bed Development.

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Example Engineered Custom Test Equipment and Short Run Products

Fiber Optic Transceiver
NRZ to NRZ-RZ-CRZ
10-13 Gb/s, C+L
SBS enabled laser
manual/LAN operated
1U x 22" rackmount
19 operating modes



Fibre Channel Transceiver
Military Ruggedized
Wide temperature range
38999 Connectors

Programmable Fiber Optic Span
0 to 118.75 km in 6.25 km steps
with Dispersion Compensating Fiber
and variable gain DWDM EDFA
manual/LAN operated
7U x 22" rackmount



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