

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Curtiss-Wright / Pentland Systems VGD4/P2/96* at our website: ***Click HERE***

VGR

VGx

Analog I/O PMC

Digital

Digital Rx/Tx

Synchro/Resolver

Custom COTS/ROTS



The VGX concept was derived from experience gained from a number of collaborative projects and partnerships with organisations well established in such market areas as Military, Aerospace, High Energy Research (Particle Physics), Intelligence and Communications Surveillance. The foundation of the VGX philosophy stemmed from the need to provide system designers with high performance precision data acquisition solutions built upon the following principles:

- High added value solutions and minimised cost of through life product ownership
- Rapid time to market for systems designers
- Flexible solutions which can be tailored to individual applications
- Rugged solutions for precision digitisation to meet the challenges of Commercial Off-The-Shelf (COTS) and Ruggedized Off-The-Shelf directives
- Evolutionary development path to protect customers' initial investment.

Acquisition Daughterboard (VGD)
The VGX acquisition daughtercard lies at the heart of the solution. This comprises the data acquisition primary function which can be selected from a wide range of off-the-shelf solutions or can be customised to meet exact requirements with cost effective success.

Data Interface Options (VGI)
The Direct Data Interface (DDI) module presents the system designer with a direct route into popular DSP and RISC computing engine, e.g. TMS320C4x via Comms ports, Mercury (Raceway), PowerPC and SHARC via FPDP thereby avoiding backplane bottlenecks and ensuring system throughput keeps pace with the latest processing technologies.

Application Control and System Life Support (VGM)
The VGX motherboard provides VME host control via a VXI register based device memory map implementation. Full VME interrupt capability is provided for real-time acquisition status reporting.

Protecting the digitisation process running on the daughtercard is a key function of the mothercard and effective screening techniques have been applied to ensure that the analog signal digitisation performance available from the state-of-the-art silicon is not degraded by the inherent noise of high speed DSP processing environments.

VGx		
VGM1	VGX motherboard - application control and system life support	More >
VGI	FPDP data interface	More >
VGD4/5	96 Channel Analog Input	More >
VGD12	8 Channel Analog Input	More >

© 2003 All content copyright Pentland Systems Ltd

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP