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

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Find the *Motion Control Systems SA1000E* at our website: *Click HERE*

MCS MOTION CONTROL SYSTEMS

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- Amplifiers
- Motors
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Engineering Services and Product Assistance
1-540-731-0540

SA500, SA1000, SA2000



MCS servo systems are field proven in a wide variety of direct axis drive and spindle drive applications. We offer the industry's most flexible options for customer control including analog velocity and transconductance loops, frequency lock loops and RS232/RS422 interfaces. Commutation options include resolver, incremental encoder or Hall effect devices. Internal power supplies and complete protection circuitry simplify integration into your application. When coupled with MCS designed brushless DC motors, these systems will give you more power and better performance in a direct drive solution.

Features

- Above audible PWM
- Very high bandwidth, extremely low deadband
- Four quadrant operation
- Panel mount enclosures
- Front panel status indicators
- Latching fault monitor
- Protection circuitry
- Resolver, incremental encoder or Hall effect commutation
- CE available

Options

- RS232 interface
- RS422 interface
- Frequency lock speed control
- External regen load

Performance and Characteristics

Amplifiers Performance	SA500	SA1000	SA2000
Cont./Peak Output Current	15/15 Amps	30/30 Amps	50/60 Amps
Cont./Peak Output Power	5/5 KVA	10/10 KVA	17/20 KVA
Input Voltage	200-240 VAC 3 phase		
DC Bus Voltage	280-340 VDC		
PWM Frequency	18-50 KHz		
Bandwidth	Up to 4 KHz		
Efficiency	**>** 95%		
Deadband	**<** 250µV (Typical)		

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Speed Regulation	0.1% (0.001% available)
Internal Tach Linearity	0.1%
Gain (Open Loop)	1000 Amp/Volt (Typical)
Protection Circuitry	Bus Overvoltage, Amplifier Over Temp, Motor Over Temp, Over current, Logic Supply Voltage
Command Differential	±10V
Enable	Open Collector
Position Word	10, 12, 16 Bits
Status Output	TTL compatible

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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.

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

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