

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.

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Expert team | Trust guarantee | 100% satisfaction

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ACS Motion Control

Your Partner for High Performance Motion Control

Products Overview

30+ Years of Smarter Motion

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ACS MOTION CONTROL

MC4U
Modular Control Module



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MC4U
Tailored Control Module



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MC4U
Wide Range Of Components

- SPiiPlusNT line of EtherCAT controllers
- SPiiPlusDC line of EtherCAT slaves Drive Controllers
- DDM3U PWM drives
- DDM3U *NanoPWM*™ drives
- LDM3U digitally controlled linear drives
- PSM3aU power supplies
- Enclosures



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Powerful EtherCAT Motion Controllers

- *SPiiPlusNT-LT*
  - *Economical controller & EtherCAT Master*
    - *Direct control of 4, 8 built-in drives*
  - *12 bits ADC for current and SIN-COS*
  - *EtherCAT network*
    - *Up to 64 axes*
    - *Thousands of I/O*



- *SPiiPlusNT-HP/LD/NP*
  - *High Performance controllers & EtherCAT Master*
    - *Direct control of 4, 8 built-in drives (HP, LD) 2, 4 NanoPWM™ built-in drives (NP)*
  - *Customized control algorithms (by ACS)*
  - *Fast 10MHz SIN-COS encoder multipliers (LD and NP only)*
  - *16 bits ADC for current and SIN-COS*
  - *16 bits drive commands (LD only)*
  - *EtherCAT network*
    - *Up to 64 axes*
    - *Thousands of I/O*

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EtherCAT Drive Controllers

- SPiiPlusDC-LT
  - Economical Drive Controller for 4, 8 drives/axes
  - 12-bit ADC for current & analog SIN-COS encoders



- SPiiPlusDC-HP/LD/NP
  - High performance Drive Controllers for 4, 8 drives/axes
  - Customized control algorithms
  - Fast 10MHz SIN-COS encoder multipliers (LD and NP only)
  - 16 bits ADC for current and SIN-COS encoders
  - 16-bit drive commands (LD only)

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Wide Line of Digital Drive Modules
100W to 10kW

- DDM3U-4-320V-1A/2A/3A
  - 4 drives per module, 120-320Vdc
  - 1/2A (Cont / Peak) to 3/6A
- DDM3U-2-320V-5A/10A/15A/20A
  - 2 drives per module, 120-320Vdc
  - 5/10A (Cont / Peak) to 20/40A
- DDM3U-1-320V-30A/45A
  - 1 drive per module, 120 – 320Vdc
  - 30/60A & 45/90A

- ✓ High performance
- ✓ Low position jitter
- ✓ Smooth constant velocity
- ✓ Digitally controlled
- ✓ Simple configuration and setting

- DDM3U-4-60V-4A
  - 4 drives per module, 24 - 60Vdc
  - 4/5A (Cont / Peak)
- DDM3U-2-560V-5A/10A/15A
  - 2 drives per module, 520 -600Vdc
  - 5/10A (Cont / Peak) to 15/30A



- ✓ STO – Safe Torque Off

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MC4U

NanoPWM™ Drives

- DDM3U-1-100V-15A-NP
  - 15/30A (Cont / Peak)
  - 24 – 100Vdc
- DDM3U-1-320V-15A-NP
  - 15/30A (Cont / Peak)
  - 24 – 320Vdc
- Ultimate solution for:
  - Wafer inspection stages
  - FPD inspection
  - Linear stages with demanding high acceleration, high speed, standstill jitter and velocity smoothness requirements

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Linear Drives Low Jitter and Noise

- LDM3U-55V-8A/16A/25A
  - 4/8A (Cont/Peak) to 6.25/25A)
  - 45 – 55Vdc
- LDM3U-28V-8A/16A
  - 4/8A & 4/16A

- Digitally controlled (!)
- Sub-nano standstill jitter
- Outstanding velocity smoothness
- Lowest EMI



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…And Matching Power Supplies

- PSM3U-320V
  - 4kW to 20kW
  - 85 to 265Vac input
  - output = 1.4xVac
- PSM3U-48V
  - 0.7kW & 1.4kW
  - 115/230Vac input
  - 48Vdc output
- PSM3U-320V/48V
  - Dual voltage
    - 1.4xVac, 8kW
    - 48Vdc, 0.7kW
- PSM3U-560V-7kW
  - 7kW
  - 400Vac input
  - 560Vdc output
- PSM3U-100V-3kW
  - 3kW
  - Up to 70Vac or 100Vdc input
  - For NanoPWM™ drives



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All Integrated In One Compact Enclosure



Two axes – 9”



Six axes – 11”



Eight axes – 19”



Eight axes – 22”

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Thank You

30+ Years of Smarter Motion

ACS MOTION CONTROL

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.

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