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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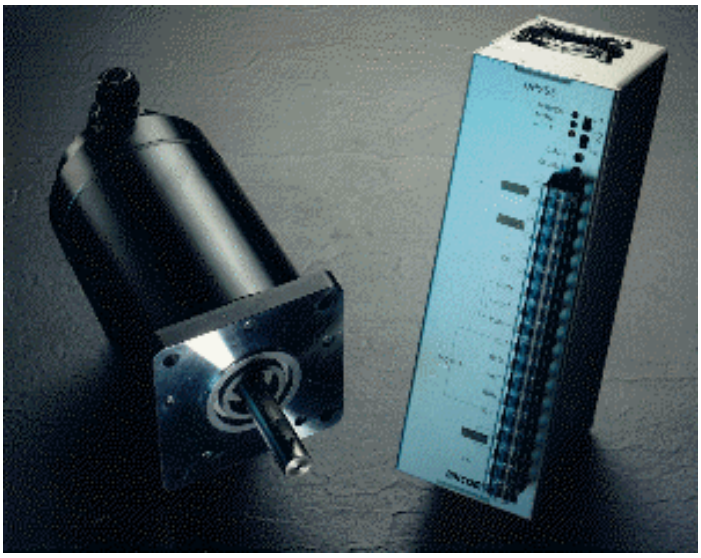
Find the *Mycom Technologies UPS 55-531* at our website: *Click HERE*

NYDEN CORPORATION USA

UPS 55 High Speed/High Torque Series; Size 42 (110mm) Motor and Driver Set.

5-Phase, 5-Lead Stepping Motor and Driver Units for versatile applications.

On a constant quest to achieve the highest running torque and positioning capabilities possible in a size 42 Five-Phase unit, NYDEN USA leads all the other Motion Control companies by meeting and exceeding the toughest design requirements for all our customers. Our UPS55 Five-Phase Motor & Driver set is a popular Motion Control System used primarily within the leading automation design industries that require optimum Running Torque in a rugged yet attractive package. The result, outstanding Motion Control Technology. Everything's generated for your design comfort: smooth resolution, simple control, and an overpowering Output Torque capable of surpassing 1200 Oz-in without the mounting of a Ball Reducer! More bang for the buck, NYDEN always works hard to earn your business.



Selectable Resolution.

- **-- 0.72°/Full Step (500 step/rev)**
- **-- 0.36°/Half Step (1000 step/rev)**

Running Torque over 1200 oz-in.

Low inductance 5-phase motor is coupled with 5.0A high powered driver to provide further increased speed and acceleration capabilities over our standard UPS50 series motor/driver packages.

Extremely smooth operation.

- **-- Virtually no low rpm resonance.**

Motor and Driver are matched pair..

- **-- No current adjustments needed.**

Unit includes Motor & Driver with Built-in Power Supply.

Highly cost effective.

UPS 55 Series

Motor Size(mm)	Motor and Driver Combination Part Number	Max. Holding Torque: oz-in (kg-cm)	Rotor Inertia oz-in^2 (g-cm^2)	Step Angle Full/Half	Phase Current (A)	Motor Weight: oz (kg)	Driver Part Number	Motor Part Number
Metric 42(110)	UPS53-51117AD§	972.1(70.0)	49.20(9000)	0.72°/0.36°	5.0	299.8(8.50)	UPS55-531	PS51117AD§

§ = Single(front) shaft only.

Motor Specification			Driver Specification	
	PS51117(H)AD			**UPS55-531**
Accuracy	± 5 min.		**Output Current**	5.0 A per Phase Max.
Shaft Radial Play	0.00098 in. max. / 1.1 lbs load		**Driver Type**	Star Bi-Polar , Constant Current Chopper
Shaft Axial Play	0.00295 in. max. / 2.2.lbs load		**Power Requirements**	85 - 132 VAC , 50/60 Hz
Dielectric Strength	No abnormality detected after the application of 0.5KV at 50 Hz between motor windings and frame for duration of one minute.		**Power Consumption**	10.0 A or less
Insulation Class	Class B		**Built in Functions**	Auto Current Down at stand still. Current OFF. Monitor Timing Output signal. Driver Overheat warning signal output.
Insulation Resistance	100 ohms or better with 500V potential applied between motor windings and frame at normal ambient temperature and humidity.		**Input Pulse Type**	Step & Direction or Bi-Clock (CW/CCCW) pulses (Selectable). All Opto-Isolated . Voltage H=4.5 to 5V , L = 0 to 0.5V , Resistance = 220 ohms.
Operating Environment Temperature	0 °C to +50 °C		**Dielectric Strength**	No abnormality detected after the application of AC 1 KV between case and power input terminals, case and signal I/O terminals, signal I/O terminals and power input terminals for duration of one minute.
			Insulation Resistance	100 M ohms or better with 500V potential applied between case and power input terminals and signal I/O terminals.
			Operating Environment Temperature	0 °C to +40 °C

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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