

ARTISAN®
TECHNOLOGY GROUP

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

Artisan Technology Group
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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
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Expert team | Trust guarantee | 100% satisfaction

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Moving Magnet with Capacitive Detector: 6860

Overview

Model 6860: Designed and Optimized for Speed, Accuracy, and Cost

The 6860 galvanometer combines Cambridge Technology's Moving Magnet Actuator technology and our patented moving dielectric capacitive position detector design. This combination offers superior positioning speed and higher resolution accuracy and repeatability of any moving magnet galvanometer. The 6860 scanning systems can be designed and optimized for speed, size, cost and accuracy with typical beam diameters between 5 and 10mm.

Features

High Position Accuracy and Repeatability with Moving Magnet Actuators

CTI's innovative capacitive position detector provides the highest resolution accuracy and repeatability in a moving magnet galvanometer design. This capacitive position detector coupled with the positioning precision of the moving magnet actuator provides high positioning linearity, repeatability and stability over time and temperature. In combination with our 671 servo drivers, the 6860 can achieve 8 microradians short term repeatability.

Galvo Speeds and Step Response Times

The 6860 is specially designed to maximize the system's performance for high speed applications. With our advanced actuator design in conjunction with our 678 servo drivers, the 6860 can reach speeds up to 1 kHz with step response times in the 0.5 millisecond range for small angle movements.

High System Performance and Reliability Over Time

Superior product lifetime and reliability result from disciplined design technique, the best in bearing technology and quality manufacturing processes and workmanship. Cambridge Technology's high standards of manufacturing quality guarantees the performance consistency that you need to design the high quality systems demanded in today's competitive marketplace.

Supporting Products

The 6860 has a complement of supporting products including Servo Drivers, Mirrors, XY Mounts & Software:

Servo drivers

MicroMax™ 671
MicroMax™ 678

Scanning mirrors

5mm X & Y axis
10mm X & Y axis

XY Mounts

5mm and 10mm Left and Right handed mounts

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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