

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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Visit our website - *Click HERE*

Make your Mark!

Newing-Hall's computer controlled engraving systems give you a permanent marking capability which is more productive and cost effective than alternate marking methods. Newing-Hall systems are used in a wider variety of applications than any other brand of computer controlled engravers. The work-holding versatility of our tables is unsurpassed. Our open-bed table design and 4th axis cylindrical option permit engraving on irregularly shaped items as diverse as bowling balls, artificial heart valves, injection molds, champagne buckets, wine bottles and glassware. Our powerful APEX Professional Series Controllers and Job Layout Software enable NHI systems to out-perform competitors in both productivity and engraving quality. Only Newing-Hall offers you the advanced performance of 32 bit RISC processing and ASIC circuitry.



Companies around the world use our equipment to engrave on everything from flow diagrams to jet brake pads, control dials, office signage, awards and promotional items. High volume manufacturing facilities have chosen Newing-Hall for the features which allow integration into automated production lines including I/O interface, multiple cutting spindles, job run time display, unrestricted alpha-numeric serialization, step and repeat matrix, batch processing and multi-tasking. Whether you are personalizing jewelry from the finest gift shops, manufacturing stainless steel control panels for an off-shore oil rig, marking serial numbers on aircraft components or engraving the athletes' medals at the Olympic Games, Newing-Hall is the choice of professionals when it comes to proven performance.



Newing-Hall
Making Great Impressions

Our roots go back over 100 years to the Taylor-Hobson line of manual pantograph engravers. Today our engineers use modern technology to build upon these proven engraving fundamentals. When you buy from Newing-Hall, you're not just buying technology that leads our industry, you're buying from a company that will stand behind its products with unmatched customer service and support. Find out why Newing-Hall systems are accepted by professional engravers as the most versatile and reliable systems in the world.

We have pioneered and introduced profit making innovations such as a fourth axis cylindrical attachment, glass engraving, bar code scanning and multiple cutting heads. We have taken the time to develop and include time saving features like our exclusive internal auto-diagnostic software. This feature alone can save you hours of downtime and hundreds of dollars in repair expenses by eliminating the costs and delays associated with on-site support visits. Our scan-to-engrave solution is not merely adapted from desktop publishing programs, but is specifically designed for professional engraving applications. Innovations like these, combined with a knowledgeable sales team, have established Newing-Hall as the leader of computer controlled engraving technology.

Service and Support

We have what it takes to make a great impression, and we also have what it takes to keep your engraving systems fully operational. Our service and support department is designed to provide assistance from the day you purchase your equipment. Internal fault diagnostics and integral test cycles allow our experienced telephone support team to diagnose problems quickly. The modular design of our systems lets us exchange components and get your equipment back in production with less cost and delay than on-site visits.

Newing-Hall consistently provides customers with the best service and support in the industry. If any warranty component needs to be serviced, Newing-Hall will provide a loaner unit at no charge while the customer's item is being repaired. Also, virtually every design in hardware, software and motion control can be retrofitted to our earlier models. This forward thinking in design management assures that the machine you buy today will continue to keep pace with industry standards.



Cutting Edge

State-of-the-art technology built into each of our controllers, software programs, tables and spindles insures that the system you install today will be productive for years to come.

3-Dimensional Motion Control Technology:



Newing-Hall systems are used in a mulititude of marking applications, more than any other brand of CNC engravers. To meet the diverse needs of our customers, we offer a choice between HPGL protocol controllers, the HP series, and the AMC series which supports our proprietary ACL protocol as well as HPGL and G/M code protocols. Each represents the best combination of features and performance in their respective categories. Newing-Hall controllers use 32-bit processors and are designed for reliability with optically isolated inputs/outputs, integral test cycle and internal fault-diagnostics.



The APEX-HPGL Controller, available in 2 or 3 axis, is a true three dimensional controller using HPGL protocol. It allows you to produce 3-D relief in stamps, dies, molds, EDM electrodes and upscale awards. The HP3 includes Direct Numeric Control, a new enhanced productivity feature that allows the machine operator to access jobs from a remote hard drive. Information is communicated by an LCD display which permits changes to engraving parameters, such as speeds and feeds, to take place at the controller, thus eliminating a tripback to the design station. The HP3 includes:

- Vector Search Technology™
- HotWatch™
- DataSpool™
- JobQueue™
- Tool Changer™
- Direct Numeric Control™

These are the most productive HPGL protocol motion controllers available and provide outstanding performance. The APEX-AMC II incorporates the latest ASIC circuitry and RISC technology. Motion data is accepted in line, arc and bezier formats at rates of up to 115K baud permitting true circular and elliptical movement. It has been designed for expansion into 3-D motion control applications. Its Input/Output feature allows interface control of ancillary machine functions when integrating the APEX-AMCII into flexible manufacturing systems.

For a complete list of Controller Specifications, see Engraving Machine spec. sheets.

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Technology

Spindles:



Our commitment to providing reliable production equipment includes our heavy-duty, three bearing rotary and diamond drag spindle assemblies. The rugged design of these spindles gives you the ability to produce the highest quality engraving on metals, ranging from soft pewter to stainless steel, with quality once available only on much larger CNC mills. We offer a choice of both pneumatic and stepper motor actuation for rotary spindles. Our pneumatic spindles give you precise control over dwell, pressure, down-feed, the ability to follow uneven surfaces and fast actuation. Depth can be controlled by nose cone or with an adjustable down stop. The stepper controlled Z-axis allows multiple passes at increasing depths automatically. Plus, NHI is the only company to offer the productivity enhancing capability of multiple spindles with user defined adjustable spacing and independent actuation.

Engraving Tables:



We offer many different engraving tables ranging in size from 16.5" x 15" to 24" x 30". Both bench and floor mounted systems are available. Our extensive list of optional work holding features provides unparalleled versatility to solve the most challenging problems. All models incorporate a pass through design allowing unlimited access on one axis for flat materials. The pass through design, combined with our LongPlate/TallPlate software, makes it easy to engrave on materials which are longer or taller than the dimensions of the machine bed. Many models include a through-the-table design which permits engraving on items that are inaccessible to ordinary flatbed engravers. Our unique table construction has proven to be reliable in the most rigorous of operating environments.

Choose the appropriate motion control system, spindles and software for your specific tasks. Enhance the versatility of your system when you select from optional features including 4th axis cylindrical engraving, our new indexing capability or multiple spindles. Installation and training are included to insure you are satisfied with your Newing-Hall system.

With work holding versatility, outstanding performance, reliability under demanding conditions and great customer support, it's no wonder that the more difficult the job, the more likely the choice will be. . .Newing-Hall.

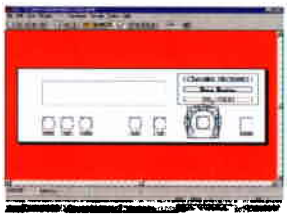
Call Newing-Hall, Inc. for help selecting a system that meets your requirements: (800) 255-8804.

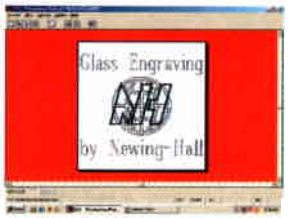
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APEX
Job Layout Software

Our APEX-Job Layout Software (JLS) has been designed to meet the needs of professionals. Microsoft Windows® provides the platform to work with other programs. From job layout to execution, APEX gives you versatility and productivity. The graphic tool path optimization feature alone can reduce engraving times by up to 30%. APEX-JLS anticipates the very precise positioning and automatic layout flexibility often overlooked by other programs. Each Newing-Hall system comes with on-site training and toll free telephone support to insure our customer's satisfacton. The advanced technology of the APEX Professional Series will provide our customers with unparalleled results in precision motion control operations for years to come. Compare specifications, then choose the APEX system that meets your requirements.

FEATURES:





Microsoft Windows Platform
Automatic & Manual Layout
Unlimited Fonts On-line
Unlimited Changes/Line
Maximum Lines/Job = 32,000
Maximum Jobs/Plate = 32,000
Maximum Variable Text = 32,000
Maximum Characters/Line = 32,000
Integrated CAD Editing
Optional Font Editor
User Definable Auto-Kerning
Integrated Tool Path Optimization
True WYSIWYG Graphical User Interface (GUI)
Import Protocols: DXF, HPGL, WMF, MCR
Variable Home Position Locatable Anywhere Within the Work Area
Execution Overlap Including Batch Processing and Multi-Tasking
Cut, Copy and Paste Clipboard Support
Tool Length & Diameter Offsets

Unlimited LongPlate/TallPlate
Automatic Arc Generation
Multiple Reference Points
True Type Font Import
Extensive Job Costing
Multiple Tool Passes
Global Scaling
Symbol Editor
Multi-Tables
ASCII Text Import
Bar Code Scanning
Limitation Warnings
Unlimited Columnizing
User Controlled Defaults
Matrix w/Scoring Options
Auto Dial & Scale Generation
Automatic Island Fill on TTF's





Some features not available on all controllers.
For a complete list of Controller Specifications, see Engraving Machine spec. sheets.

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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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