



# PROGRAMMABLE SCRIBERS

INDENTING



**Motor Vehicle:**  
*Frames, Engines,  
Transmissions  
and Other  
Automotive Parts*

**Structural Steel**  
*Pipe, Tube, Valves  
and Joints*

**Firearms**  
*Nameplates/Tags*

## **Quiet, Permanent, Industrial Part Marking**

The G Series Programmable Scrivers permanently inscribe marking messages into a variety of metals and plastics. Marking is accomplished by pressing a carbide or diamond-tip stylus into the part surface pneumatically. The stylus is then pushed through the material similar to a plow pushing snow. This method of marking displaces material as it creates continuous lines, logos, graphics and Data Matrix codes.

The scrivers use the same precision technology as our dot peen markers, with decreased noise levels as an added benefit. Operating at 70 to 75 decibels, these units are ideal for factories with maximum noise level requirements or for companies who simply want to decrease noise in their facilities.

Designed for accuracy and reliability in industrial environments, Pannier's G Series Scrivers deliver high quality, permanent marks on a wide range of materials and surfaces. The sliding shutter system, common to all Pannier programmable marking systems, protects the marking head from contaminants and eliminates the need for constant cleaning and maintenance.

## SPECIFICATIONS

Interface	RS-232 serial port and I/O connection
Air Supply	90 PSI maximum, clean and dry
Memory	512 KB maximum (100 marking files)
Display	2 line, 40 character LCD display
Noise Level	70 to 75 decibels (marking metal)
Languages	English, French, German, Italian, Spanish
Fonts	5 standard, 13 optional
Char. Size	3mm minimum

	Model G1	Model G2
Head Weight	55 lbs	44 lbs
Head Dimensions	12.2"W x 10.8"D x 8.9"H (310 x 275 x 225 mm)	11.8"W x 9.4"D x 8.9"H (300 x 240 x 225 mm)
Marking Window	5.9" x 3.15" (150 x 80 mm)	5.1" x 3.9" (130 x 100 mm)
Marking Depth	0.4 mm maximum	0.3 mm maximum
Marking Speed	1 char/sec depending on settings	3 char/sec depending on settings
Electric Supply	90 – 264 VAC 70 W	110 – 230 VAC 200 W

The G Series Programmable Scribes are versatile marking machines for use in a variety of industrial settings. These systems are very robust and durable, offering many years of reliable marking. The control boxes can be arranged for cabinet, rack, or stand-alone mounting.

The scribes can be operated with or without a PC, and are provided with simplified integrator protocol and marking Start/Stop I/Os. They can be used as stand-alone marking stations or integrated with host systems, PLCs, and bar code readers.

### High Quality, Programmable Marking

- Get the quality marks of traditional indenting methods with all the benefits of a programmable system
- The stylus moves with high angular precision through two axes using two powerful stepper motors
- Accurate 2D Data Matrix code marking
- Create continuous line characters, logos and graphics

### Low Noise & Low Impact

- Eliminate the noise and stress on your parts produced by traditional impact marking – scribing is inherently quiet, creating little more than the sound of the motors driving the stylus

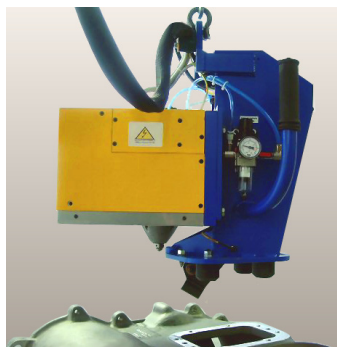
### Deep Marks

- Produce deep marks that remain legible after painting, coating and galvanizing
- The G1 scribe can produce marks up to .004" deep on materials as hard as 59 HRC

### CUSTOM SYSTEMS & INTEGRATION

Have a part marking challenge? Pannier offers standard and custom part holding fixtures, client-specific interface software, and complete system design for turnkey marking solutions.

We can also integrate marking systems with unique equipment, data retrieval systems, and any host system.



### MODEL G1

Heavy-duty unit for creating deep marks on hard metals. Marking force of up to 258 lbs with 90 PSI of air pressure.



*G1 Controller for rack mounting.*

### MODEL G2

Lighter duty model for faster cycle time requirements. Marking force of up to 100 lbs with 90 PSI of air pressure.



*G2 Controller shown in cabinet mounting configuration. Also available in rack mount or stand-alone configurations.*

### OPTIONS

- Bar code reader connection kit for direct input of scanned data
- RS-485 connection and network management program kit for networking up to 32 scribes (and stampers) from one PC
- Reporting function to record parameters of every completed marking job
- Integrator Protocol function for creation and modification of marking files through serial communication
- Custom interface programming
- Remote control with start/stop buttons and ready/cycle lights
- 2D Data Matrix marking capability

## PANNIER CORPORATION

207 Sandusky Street • Pittsburgh PA 15212-5823 USA  
412-323-4900 tel • 412-323-4962 fax • sales@pannier.com • www.pannier.com