

# Software Upgrade

## Embedded Version 1.8

### Available for:

- **GRAVOSTAR HS**
- **GS 827**
- **GS 1212**

Keep your *GRAVOSTAR* engraver running efficiently and more productively than ever with the latest embedded software release, Version 1.8. Many new features have been added as well as numerous improvements to machine operation.

### New Features

#### Cylinder Birth Certificate

When a cylinder completes engraving, the *GRAVOSTAR* automatically creates a 'birth certificate' of pertinent data. The certificate is stored as a PDF on the engraver, where it can be accessed and saved using a web-browser. The birth certificate includes cell pictures and measurements by the *VISTA* system, engraving statistics, stylus time, and job status. *See example on back.*

#### Stylus Tip Calibration

Changing a stylus with an automated *VISTA* head becomes easier and much faster with the Tip Calibration feature. The machine automatically moves the shoe to locate the tip of a newly loaded stylus. This simple routine saves significant time during the *VISTA* cell setup process. A hardware upgrade is required for this function.

#### PDF/PostScript Support

Engrave Collage jobs containing native PDF or PostScript images. The embedded RTI RIPs the files to engrave resolution and then applies gamma and sharpening functions, all in real-time. A RIP license is required.

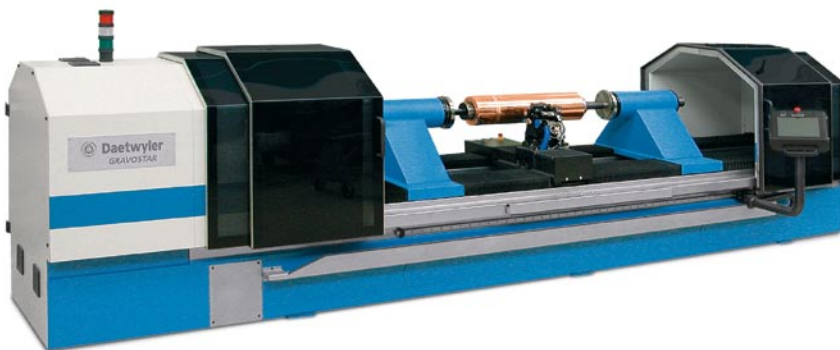
#### Helio Emulation

The *GRAVOSTAR* can now duplicate all raster and angle combinations of the Helioklis-chograph machine. Feature requires a special license.

#### Faster Operation

A large number of improvements have been made to speed up the operation of the *GRAVOSTAR*. These include:

- *VISTA* system – works over a broader range of cylinder finishes with more accurate cell measurements.
- Thin wall protection – limits the amount a full cell or channel can be changed to prevent narrow diagonal walls from being accidentally eliminated.
- TIR and Keyway detection routine is faster without cylinder stops and starts.
- Auto-chuck tool aligns faster.
- Cylinder supports no longer home between each motion, instead moving from current position to required position.
- The carriage homes simultaneously with the head retracting.
- Head lowering speed has been increased. From the fully retracted position, the head lowers at a fast rate, then slows as it nears the cylinder to finish the descent.



# Version 1.8 Software Upgrade for GRAVOSTAR HS, GS 827 and GS 1212

### Other Improvements

We have also made other changes to make the operation of the engraver more streamlined.

### Cylinder Preview

You can now zoom up and down using the cylinder preview to get a better view of the loaded job.

### Job List

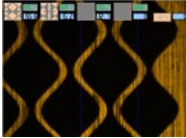

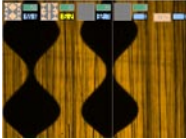
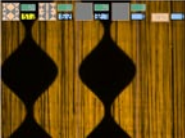

The job list shows whether a cylinder has been engraved or not. The date and time of the engraving is also shown. Previously engraved cylinders can be engraved again.

### Mid-Tone Support

The Collage job can now include settings for 4-point midtone correction.

### Vertical Test Cut Offset

Instead of floating the 1-Rev, the operator can enter an offset for the test cut position. This offset is ignored by normal engraving to prevent job shift around the cylinder.

GRAVOSTAR HS Cylinder Report		Autom_test.A	
<b>Cylinder Information:</b>		<b>Test Cut Results</b>	
Name	Autom_test.A		
Job	Autom_test		
Color	Yellow		
Screen	69.99 lpcm		
Angle	45.01		
Stylus Angle	120		
Engrave Time	00:36:16		
Finished	Fri Apr 24		
	11:06:27 2009		
Engraver	rti1		
Stylus SN	49551		
Stylus Time	01:54:43		
Status	Engrave Job Done		
		<b>Full - Nested</b>	<b>Highlight</b>
			
		Target 156.0	Target 34.0
		Measured 155.6	Measured 32.7
		<b>Channel</b>	<b>Full</b>
			
		Target 16.0	Target 156.0
		Measured 15.2	Measured 157.2
		Page 1 of 2	

The Cylinder Birth Certificate created by the GRAVOSTAR.



Daetwyler R&D Corporation  
2133 Lyons Rd.  
Miamisburg, OH 45342

Phone (937) 439 1582 / Fax (937) 439-1592  
Email sales@daetwyler-rd.com  
www.daetwyler-rd.com