



GRAVOSTAR 827

3500, 4750 & 5500

ENGRAVING

Introducing **GRAVOSTAR 827**. The GS827 builds on Daetwyler's history of providing affordable upgrade solutions for existing equipment. The GS827 started life as a M811/820 engraver. Like all electronic devices, the technology is rapidly becoming obsolete for these engravers, even as the mechanical portions of the machine show little to no wear.

The **GRAVOSTAR 827** is a combination of the M8XX mechanical pieces with the latest electronics used on the **GRAVOSTAR HS**. This creates a very powerful system, complete with automated features like the **VISTA®** cell sensing system. The machine also uses a user-friendly touchscreen display for all operations.

TECHNICAL INFORMATION

- Easy-to-use touchscreen controls and intuitive, icon-based graphical user interface.
- Wide variety of engraving heads available to satisfy your needs for engraving screen ranges and production speed. Screens from 25 to 240 l/cm and screen angles from 30 to 60 degrees are possible, for best engraving results and moiré suppression.
- Fast engraving speed: 8,100 cells/sec. at 60 µm cell depth (8,600 cells/sec. at depths up to 35 µm).
- Engraving styli with angles from 90° to 145° available, in 5° increments.
- Single PC, with standard hardware, used for machine controls, engraving cell display and data processing function.
- Future oriented LINUX operating system.
- Uses job tickets from the pre-press system for determination of engraving screen and angle, gradation and other engraving related information.
- Remote diagnostics and software loading via customer supplied internet connection.
- Matches engraving of existing **GRAVOSTAR** series **11, 21, 700, 820, 850, 857, Type D, HS**, and even Helio-klichographs.
- Connects to all existing MDC Prepress systems such as:
 - **COLLAGE**
 - **COLLAGE-S**
 - **COLLAGE-E**
 - **CCS**
- **VISTA** Cell Sensing System
- **EasyCell®** Calibration System for operator friendly, direct cell size entry.
- Step-over and spiral engraving mode selectable.
- Single phase power connection, 110 to 240 V, 50/60 Hz.



The GRAVOSTAR 827 Touchscreen

Daetwyler



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Specifications

- Recommended screen range:
31.5 l/cm to 200 l/cm
- Screen angles from 30° to 60°
in 0.01° increments
- Multi-tune VISION 3 Engrave Head
with electronic feedback to ensure
optimum engraving results:
 - 8,600Hz for cell depths up to 35μ
 - 8,100Hz for cell depths up to 60μ
 - 1,700Hz for cell depths up to 90μ
- Range of stylus angles:
90°, 100° to 145° in 5° increments
- Download job specifications / cell
sizes from engrave controller
- Single PC running Linux, with
standard hardware, used for machine
controls, engraving cell display and
RTI function
- Easy-to-use touchscreen controls with
icon-based graphical user interface.
- Integrated on-head microscope with
VISTA® cell measurement software
- Direct cell-size entry with the
EasyCell® Calibration System with
learning ability

- Midtone Stylus Correction
- Job selectable spiral or step-over
engraving
- Pause, inspect, and restart engraving
with no quality loss
- Automatic lifting / lowering of engrav-
ing head protects diamond stylus from
damage
- Digitally displays axial position of
engrave head
- Circumferential image start for
registering cylinder removed and re-
inserted into engraver
- Servo controlled carriage motion for
greater accuracy
- Motor-driven telescoping enclosures
- Vacuum pump for chip removal and
engrave head cooling
- On-board diagnostics
- Cylinder fixturing
for Shafted Cylinders
 - 3- or 4-jaw chucks on headstock
and tailstock
- for Shaftless Cylinders
 - Spindle to accept cone adapters

Options

- tranScribe® Engraving System
- High Output 130 Engraving Head for
cell depths up to 130 microns
- Electrical cylinder supports
- Arbors with cones

Daetwyler includes a full warranty on
the GRAVOSTAR 827 including six (6)
months on electrical/electronic parts and
12 months on mechanical parts.

For more information about the
GRAVOSTAR 827, visit our website
at: www.daetwyler-rd.com/gs827

Please visit www.daetwyler-rd.com
for additional information on machine
capacity.

*The electronics panel
on the GS827 unit.*



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