

PRISM PRIME



Robust Bed Design
One-Button Standard Screens
QuickCell Specialty Screens
Hybrid Engraving*
Auto-Documented Cylinder*

* Option

The Prism Prime comes standard with the robust and flexible Vision 3 engrave head, with high-resolution head-mounted camera for measurements during cylinder rotation, and featuring feedback sensors controlling the digital engraver amplifier



BASED ON INNOVATION.

WWW.OHIOGT.COM

 **OHIO**
GRAVURE TECHNOLOGIES

PRISM PRIME

Automated Setup for Higher Productivity

The Prism Prime is a step beyond the basic Prism, adding automated features to improve productivity and efficiency. The Vista system for automatic head setup and automatic test cuts, and the standard end-seeking sensors, provide a "One Button" machine.

QuickCell is a semi-automatic process for use with non-standard screens for a quick and efficient operator review.

Tip Calibration ensures that the stylus and shoe are positioned correctly. Mid-tone stylus correction improves tone quality.

Cartridge styli allow for nearly instant diamond changes. The motorized shoe and burr cutter mechanisms further improve the consistency and ease of operation,

Vision 3 Engrave Head

The robust and reliable Vision 3 engrave head is well-known for consistency and capability. Engraving speed with 70 l/cm screen is 0.76 m²/h. If the depth offered with the 90µ Impact Engraving is not enough, consider a separate High Output head (up to 130 µm of depth) or the Mega head (up to 300 µm of depth).



Standard Tunes

8.6 kHz to 35 µm of depth
8.1 kHz to 60 µm of depth
32 kHz to 70 µm of depth

Premium Tunes

Impact (1.7 kHz to 90 µm)
Hybrid Engraving
tranScribe Engraving

Specifications

Recommended screen range: 31.5 l/cm to 200 l/cm
Screen angles from 30° to 60° in 0.01° increments
Range of stylus angles: 90°, 100° to 145° in 5° increments

Hybrid Engraving System*

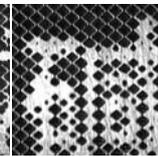
The Hybrid Engraving System balances speed with resolution for a practical commercial solution. Continuous tone and Line work images can be engraved in a single operation for a simplified workflow.



Hybrid



Hybrid



Traditional



75% text on 50% tone

Hell Match / DTG Match*

With Hell Match/DTG Match, engrave cylinders on an OHIO engraver that exactly emulate Hell screening so that OHIO and Hell cylinders can be mixed without moiré.



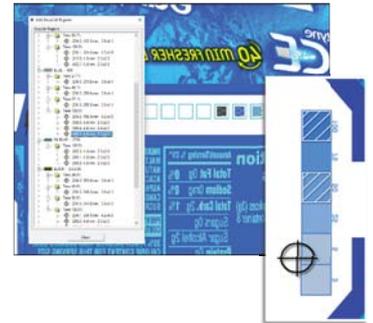
*The Hybrid and Hell Match are options and require Collage version 4.3 or higher. Hybrid requires embedded software version 2.1 or higher.

PRISM PRIME

The Auto-Documented Cylinder* from OHIO

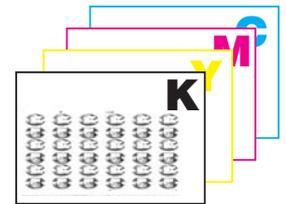
DocuCell Capturing System

Instead of manually measuring cells on the cylinder to confirm consistency, use DocuCell which automatically does your work. In Collage, the operator simply clicks on each area of the job to be measured. The engraver automatically takes cell pictures and measures cell sizes on the fly, then records the information. The cell size information can be found on the Cylinder Birth Certificate. It's complete when the cylinder is done: no added time.



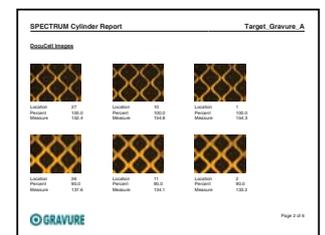
Vital Proof Multi-Color System

Vital Proof uses the Vision 3 feedback system and compares the actual (i.e. measured) engraved result with the original Collage data. During engraving, the engrave depth and width signals are digitized and a grayscale image of the actual engraving is constructed. This image can be viewed on the engraver monitor, alternating between the standard real-time display and the Vital Proof display at the touch of a button. The image is saved back to the Collage computer rev by rev in real time. When all cylinders have been engraved, the composite image can be viewed in color with the Vital Proof Viewer. The cylinder information is available on the Cylinder Birth Certificate.



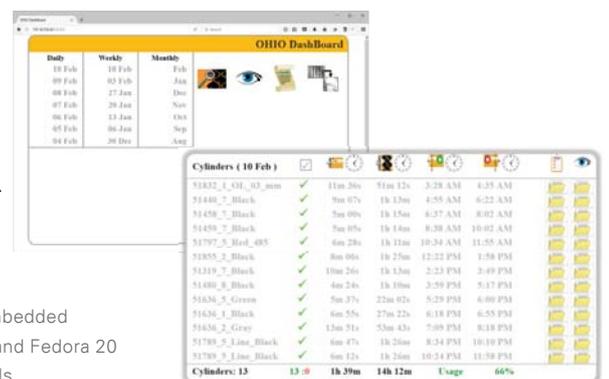
Enhanced Birth Certificate PDF

OHIO's engravers with the Vision 3 engrave head are well known for the superior repeatability of cylinder engraving. For every cylinder engraved, information is recorded on the Birth Certificate: screens, angles and stylus used, test cut and midtone results, with pictures and data, and Stylus Profile information. The Enhanced Birth Certificate includes DocuCell and Vital Proof information.



OHIO Dashboard

The OHIO Dashboard puts all the numbers right in your hands so you can manage production efficiently from anywhere ... on your desktop computer, your tablet or even your smart phone. If your device has a web browser and internet connection, you can check on all your engravers any time. The exclusive Dashboard shows a summary of what has been engraved over the past day, week, or month. Even cylinders with faults are listed so you can solve problems quickly. Daily reports can be emailed to you.



The Auto-Documented Cylinder requires Collage version 4.3 and embedded software version 2.1 or higher. Dashboard requires motorized head and Fedora 20

*Some features are optional. Please visit www.ohiogt.com for details

PRISM PRIME

Specifications

This engraver has a fixed position headstock and moveable tailstock. The tailstock uses a live center.

	Length(1)	Length(2)	Height	Depth
Prism	4,280 mm	4,635 mm	1,980 mm	1,055 mm
Prism XL	5,280 mm	5,710 mm	1,980 mm	1,055 mm

Length(1) = machine doors closed. Length(2) = machine doors fully open.

For information on cylinder fixturing options and cylinder sizes, please visit OhioGT.com

The Prism XL has all the same features as the Prism but with a longer bed for longer cylinders.

Features

- The headstock can be configured for hollow or shafted cylinder with your choice of cone or 3-Jaw chuck. The tailstock is then fitted with the corresponding live center.
- Icons on the touchscreen make the machine easy to operate from the high-resolution display.
- Automatic test cuts with cells being measured and verified on-the-fly. Choose fully automated set up with EasyCell or operator verified QuickCell. Both provide fast setup times.
- Engrave tone quality (that is, consistency between machines) can be further enhanced with the Mid-tone Correction function associated with the test cut.
- Manual enclosures for operator safety to prevent contact with rotating items and reduce noise levels.
- Sturdy bed construction with fixed headstock and moveable tailstock.
- Center-of-Gravity head mount for low quality cylinders

OHIO Engraver Comparison

	Prism	Prism Prime	Spectrum
Foundation (V3)	•	•	•
Hybrid*	•	•	•
Helio Match*	•	•	•
One Button		•	•
Auto-Document*		•	•
Automation*			•

* Option



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