

	Explorer	GravoStyle				
FUNCTION		LEVEL				
<b>NEW or ENHANCED in GravoStyle 8 Build 1</b> (major revision of GravoStyle 7 Build 1)		✓ - Available OPT - Optional at indicated level				
MACHINES AND ACCESSORIES	Explorer	Discovery	Discovery Max	Industry	Graphic	3D
Rotary machine driving by engraving or diamond dragging	✓	✓	✓	✓	✓	✓
Laser machine driving using CO2, YAG or Fibre technology		✓	✓	✓	✓	✓
Cylinder attachment, pen attachment management	✓	✓	✓	✓	✓	✓
Automatic Plate feeder	✓	✓	✓	✓	✓	✓
ARTFOIL : hot stamping management	✓	✓	✓	✓	✓	✓
INTERFACE	Explorer	Discovery	Discovery Max	Industry	Graphic	3D
Microsoft® Office 2013 - like interface with large, colorful icons, organized inside ribbons – <b>NEW</b>	✓	✓	✓	✓	✓	✓
Simple interface with icons ordered logically, following the chronology of the creation – <b>NEW</b>	✓	✓	✓	✓	✓	✓
Customizable interface with the ability to have a maximum composition area – <b>NEW</b>	✓	✓	✓	✓	✓	✓
Customizable Quick Access toolbar – <b>NEW</b>	✓	✓	✓			
Ability to create and customize additional ribbons to select your favorite tools – <b>NEW</b>	✓ <b>NEW</b>	✓	✓	✓	✓	✓
Working time displayed (saved into job)	✓	✓	✓	✓	✓	✓
Status line: selection data, workspace surface (padlock), composition mode, pointer position, view, memory used	✓	✓	✓	✓	✓	✓
Hotkeys: import, export, machining, print, etc. Possibility to change, add or delete hotkeys	✓	✓	✓	✓	✓	✓
PLATE COMPOSITION	Explorer	Discovery	Discovery Max	Industry	Graphic	3D
Material settings: machine selection, plate size, orientation, clamping accessory, flat/cylinder engraving mode, fixed or floating origin – Parameters saved into job –	✓	✓	✓	✓	✓	✓
Point & Shoot functions: plate sizing and origin setting using machine red laser pointer	✓	✓	✓	✓	✓	✓
Automatic text composition mode: text automatically centered Take into account the bitmaps imported in the composition	✓	✓	✓	✓	✓	✓
Manual text composition mode: free text positioning	✓	✓	✓	✓	✓	✓
Gravograph pre-routed and optimized engraving fonts - Pack 0	✓	✓	✓	✓	✓	✓
True Type Font support	✓	✓	✓	✓	✓	✓
Right to left or Left to right text typing	✓	✓	✓	✓	✓	✓
Text compression	✓	✓	✓	✓	✓	✓
Kerning - Manual & Automatic	✓	✓	✓	✓	✓	✓
Interline spacing	✓	✓	✓	✓	✓	✓
Upper/lowercase conversion				✓	✓	✓
Text Mirroring				✓	✓	✓
Text in columns		✓	✓	✓	✓	✓
Text on angle	✓	✓	✓	✓	✓	✓
Text on Arc	✓	✓	✓	✓	✓	✓
Text on curve: typing text on curve, projecting onto curve, moving text along curve				OPT <b>NEW</b>	✓	✓
Vertical text	✓	✓	✓	✓	✓	✓
Text in rectangle		✓	✓	✓	✓	✓
Point & Shoot function: Create text into rectangle area using the machine red Laser pointer		✓	✓	✓	✓	✓
Find and replace Text or Style – Find and replace text compression – <b>NEW</b>				✓	✓	✓

		GravoStyle				
FUNCTION		LEVEL				
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Matrix: plate series – ENHANCED Clear attractive and interactive window previewing the result Automatic creation of the series of plates with the possibility to manually modify their sequencing on the preview Definition of the material size with the possibility to save these preferred sizes in a list Definition of the different margins between plates with the ability to save favorite settings in a list Different choices of presentation of plates in the matrix always keeping an optimized machine moving		✓	✓	✓	✓	✓
Matrix: plate series Possibility to use variables like list of names, automatic numbers or Date & Time (compliant with all alphabets) Possibility to import the variable list Possibility to remove blank lines Ability to specify a number of iterations for each value of variables – Possibility to use variables logos – NEW – Possibility to import the number of iterations – NEW		✓	✓	✓	✓	✓
Matrix: plate series Easy to use material offcuts into the matrix to save material, money and the environment – NEW		✓	✓	✓	✓	✓
Matrix: plate series – ENHANCED Changing orientation of elementary plates to distribute them and to optimize material		✓	✓	✓	✓	✓

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	Explorer	LEVEL				
		Discovery	Discovery Max	Industry	Graphic	3D
<b>DESIGN TOOLS</b>	Explorer	Discovery	Discovery Max	Industry	Graphic	3D
2D XY view	✓	✓	✓	✓	✓	✓
Views: 2D XZ, 2D YZ, 3D engraver, 3D Iso					✓	✓
Dynamic view – <b>NEW</b>						✓
Shapes: single straight lines drawing	✓	✓	✓	✓	✓	✓
Shapes: marker, rectangle, polygon, star, arrow, curve, double line, ellipse, circle & arc, arc from chord, manipulation axis, tangential line/arc, auto-connect, trim & extend, polycurves, split intersecting curves, remove small or big contours Possibility to reedit some parameters		✓	✓	✓	✓	✓
Shapes: symmetrical curves, spirals – <b>NEW</b>					✓	✓
Shapes: Local axe system						✓
Point & Shoot functions: Create curves, arcs and circles using the machine red Laser pointer		✓	✓	✓	✓	✓
Symbols: extensive std library + user symbols	✓	✓	✓	✓	✓	✓
Grid & guidelines	✓	✓	✓	✓	✓	✓
Group/Ungroup Multi-level Group/Ungroup (using Ctrl key)	✓ <b>NEW</b>	✓	✓	✓	✓	✓
Special effects: reverse the order of elements in a group – <b>NEW</b>					✓	✓
Different selection tools, different selection modes, different selected items sortings – Reverse the order of elements in the selection – <b>NEW</b> – Touching or encompassing selection mode – <b>NEW</b>					✓	✓
Alignment tools: left/right/top/bottom/vertical/horizontal alignment, alignment on horizontal/vertical axis – left/right/top/bottom plate alignment – <b>NEW</b> Centre objects, vertical/horizontal center, center on plate Vertical/horizontal spacing, vertical/horizontal boxing Object Z-order: top, bottom, up, down		✓	✓	✓	✓	✓
Transformation Tools: moving/resizing/rotating/mirror		✓	✓	✓	✓	✓
Transformation Tools: 3D rotation – Flip plan – <b>NEW</b>						✓
Duplication Tools: linear, circular, distribution along curve center to center, distribution along curve of the same object with progressive sizes				✓	✓	✓
Freeze/Unfreeze selection tool		✓	✓	✓	✓	✓
Special effects: operators on objects: fusion, intersection, subtraction, exclusion, offset, crop and punch – Clipping tool and multiple offsets – <b>NEW</b>				✓	✓	✓
Special effects: chisel effect					✓	✓
Special effects: 2D vectorial texturing					✓	✓
Special effects: envelope (shaping tool)				✓	✓	✓
Special effects: convert a shape to circle, rectangle, ellipse				✓	✓	✓
Special effects: convert contour to line segments, reverse contour direction, simplification of curves				✓	✓	✓
Convert text or complex object to Curve object (contours)				✓	✓	✓
Point mode: edit, add/remove, align, shape corner, connect, disconnect, auto-connect open contours, cleanup contour (reduce points), refine contour (add points), explode contour, cut, delete, convert to curve/arc, project onto guidelines		Linked to Vectorization OPT or linked to Font Editor OPT	✓	Linked to Vectorization OPT or linked to Font Editor OPT	✓	✓
Bitmap Editor: Edit an existing bitmap, create an image within editor	Linked to Photostyle OPT	Linked to Vecto OPT or linked to Photostyle OPT	✓	Linked to Vecto OPT or linked to Photostyle OPT	✓	✓

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	Explorer	Discovery	Discovery Max	Industry	Graphic	3D
<b>3D DESIGN TOOLS</b>	Explorer	Discovery	Discovery Max	Industry	Graphic	3D
Surfaces: creation of basic and complex surfaces, mapping and projections, extend surfaces, merge and sew surfaces, surfaces approximation, swap UV						✓
Create a section, curve sweeping, facet, combine surfaces, erase/extract surface area – surface revolution/extrusion – <b>NEW</b>						✓
Combinaison: replace, add, subtract, maximum, minimum surfaces						✓
3D special effects: surface smoothing, Surfaces lay, adjust dynamic, Details raising, surfaces wrapping – Z positioning – <b>NEW</b>						✓
3D Special effects: 3D texturing, texture junction, texture filling						✓
3D Special effects: warping grid						✓
3D Special effects: photo: grey level texture						✓
3D Special effects: prismatic mode						✓
3D Special effects: bas relief						✓
3D Special effects: weaving						✓
3D transformation tools: hollow/relief, die/stamp, align plan to 0, adjust to volume						✓
SculptArt: add, subtract, stretch, smooth and deform 3D material						✓
<b>ADVANCED FUNCTIONS</b>	Explorer	Discovery	Discovery Max	Industry	Graphic	3D
Layer management: rename layer, make layer visible/invisible, lock/unlock layer, printable/not printable layer, duplicate/merge layer		✓	✓	✓	✓	✓
Drilling points: Set drill points on material or selection, set circles on material or selection		✓	✓	✓	✓	✓
Automatic Nesting				Linked to Prof. Nesting OPT	✓	✓
Cylindrical engraving	✓	✓	✓	✓	✓	✓
Long Plate		OPT	OPT	✓	✓	✓
Quotation/billing		✓	✓	✓	✓	✓
Scanning	Linked to Photostyle OPT	Linked to Vecto OPT or linked to Photostyle OPT	✓	Linked to Vecto OPT or linked to Photostyle OPT	✓	✓
Vectorization		OPT	✓	OPT	✓	✓
Integrated Laser driver (all settings saved into job)		✓	✓	✓	✓	✓
Photolase: Photo processing for Laser marking					✓	✓
Rubber Stamp making including date and logo stamp Ability to nest stamps throughout their creation – Easy to use rubber material offcuts during nesting to save material, money and the environment – <b>NEW</b>		✓	✓	✓	✓	✓
Dials & Scales				✓	✓	✓
Inlaid Work Wizard					✓	✓
Magic Copy				Linked to Prof. Nesting OPT	✓ <b>NEW</b>	✓ <b>NEW</b>
Script Several predefined scripts including a Datamatrix QR code creation Possibility to link parameters to a selected item			✓	✓	✓	✓
Print & cut: precise cutting of a printed plate – Print & Cut with Camera – <b>NEW</b>					✓	✓
LED function: wizard for positioning LEDs along a contour – <b>NEW</b>					✓	✓
Ridging (Indent stamps, etc.)					✓	✓

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	Explorer	LEVEL				
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<b>IMPORT-EXPORT</b>	<b>Explorer</b>	<b>Discovery</b>	<b>Discovery Max</b>	<b>Industry</b>	<b>Graphic</b>	<b>3D</b>
Drivers for Gravograph- New Hermes engravers	✓	✓	✓	✓	✓	✓
Backward compatibility with previous Gravograph & New Hermes jobs	✓	✓	✓	✓	✓	✓
2D Export: DXF, EPS, Goelan, HGPL, IGES, ISO, PDF, SYB – PLT, VNX files – <b>NEW</b>		✓	✓	✓	✓	✓
3D Export: DXF, HGPL, IGES, ISO						✓
Vectorial imports: AI, CMX, EJO, EPS, G97, G98, GBR, HPGL, IGS, ISO, LGO, WMF Image imports: BMP, GIF, ICO, JPEG, PNG, TIFF – DXF (2D), DWG – <b>ENHANCED</b>	✓	✓	✓	✓	✓	✓
PDF import – Text importation – <b>NEW</b>		✓	✓	✓	✓	✓
3D Import: 3DStudio, DXF 3D, IGES, PIX, STL – RHINO, SAT, STEP, VDA-FS – <b>NEW</b>						✓
File batch import with automatic nesting and file source deletion				✓	✓	✓
Interface with external data source				✓	✓	✓
Direct transfer of Corel Draw™ jobs to GravoStyle™ and vice versa			✓	✓	✓	✓
Copy & paste between Corel Draw™ as WMF, EMF (bitmap & vector)		✓	✓	✓	✓	✓
Copy & paste between Excel & Variable list		✓	✓	✓	✓	✓
Copy & paste between Word	✓	✓	✓	✓	✓	✓
Possibility to choose font(s) to replace a missing mentioned font(s) at the import of a file	✓	✓	✓	✓	✓	✓
<b>FILLING/TOOLPATH</b>	<b>Explorer</b>	<b>Discovery</b>	<b>Discovery Max</b>	<b>Industry</b>	<b>Graphic</b>	<b>3D</b>
2D Filling (by Color)		OPT	✓	OPT	✓	✓
Laser Color Marking (vector, cutting, raster, dash, fill) Possibility to select the colors to be sent in engraving		✓	✓	✓	✓	✓
Advanced Laser Color Toolbar (tangential entrance, Dotted line...)				✓	✓	✓
Advanced tool management (Tools database) Possibility to filter the tools by Reference, Name and Truncation Laser tools management – <b>NEW in Laser</b>	✓	✓	✓	✓	✓	✓
Advanced toolpath management (CAM): Plotting, Drilling, Vinyl, Sweeping, Cutting, engraving, Sequence – <b>NEW in Laser</b>					✓	✓
Advanced toolpath management (CAM): Quick fill simulation for tool optimization					✓	✓
Advanced toolpath management (CAM) On-screen powerful simulation & rendering – <b>NEW in Laser</b>					✓	✓
Advanced toolpath management (CAM) Possibility to create tangential entry/exit and bridges – <b>NEW in Laser</b>					✓	✓
Advanced toolpath management (CAM) Possibility to copy, merge or create multi copy toolpaths – <b>NEW in Laser</b>					✓	✓
Advanced toolpath management (CAM) Possibility to create CAM toolpath presets – <b>NEW in Laser</b> Specific Braille toolpaths with predefined parameters by material					✓	✓
Advanced toolpath management (CAM) – Machining time estimation and possibility to create a toolpath report – <b>NEW</b>					✓	✓
3D Advanced toolpath management (CAM): 3D milling, surface milling, toolpaths projection and mapping – <b>NEW in Laser</b>						✓

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<b>SUPPORTS and ASSISTANCE</b>						
Interactive Windows® Help System	✓	✓	✓	✓	✓	✓
DHA™: Dynamic Helpdesk Assistant: a new help generation based on videos accessible on demand directly from the interface	✓	✓	✓	✓	✓	✓
Material definition: check status of job layout, error report	✓	✓	✓	✓	✓	✓
Layout wizard: illustrated help to choose the right machine accessory depending on the item to engrave, to position the composition on this item and the item on this accessory Managed items: plate, ring and bracelet	✓	✓	✓	✓	✓	✓
Find jobs using file viewer	✓	✓	✓	✓	✓	✓
Possibility to automatically update the license through internet – <b>NEW</b>						
Webshop fonts library directly accessible from GravoStyle™ font list	✓	✓	✓	✓	✓	✓
Selected text shown in font list as font sample	✓	✓	✓	✓	✓	✓
Integrated Spell Checker in many languages		✓	✓	✓	✓	✓
Prefilled text input		✓	✓	✓	✓	✓
Styles - save preset text attributes		✓	✓	✓	✓	✓
Post-It® note for each job	✓	✓	✓	✓	✓	✓
Save information into job: date, creator, customer, description	✓	✓	✓	✓	✓	✓
Job template	✓	✓	✓	✓	✓	✓
Mouse wheel and right click programming F5		✓	✓	✓	✓	✓
Multi-level Undo/Redo: set number of iteration	✓	✓	✓	✓	✓	✓
Undo/Redo list: cancel or restore a series of operations to return to a precise stage of the composition				✓	✓	✓
Zoom: different views	✓	✓	✓	✓	✓	✓
Pan mode		✓	✓	✓	✓	✓
Set pointer hooking F3 up to point, line, center, grid, etc.		✓	✓	✓	✓	✓
Object filter F9 by type (Markers, Open contours, Closed contours...)				✓	✓	✓
Contour order displayed using direction arrows		✓	✓	✓	✓	✓
Overlapping detection/removal: loops in contour, cloned objects and superimposed points				✓	✓	✓
Measurement Tools				✓	✓	✓
Computip: help to select the right engraving cutter	✓	✓	✓	✓	✓	✓
Automatic Z-Ref / Autofocus triggered by software	✓	✓	✓	✓	✓	✓
Point & Shoot functions: engraving simulation using machine red Laser pointer for Rotary and Laser machines	✓	✓	✓	✓	✓	✓
EDP™: Engraving Database of Parameters for laser machine		✓	✓	✓	✓	✓
Laser machine engraving parameter management Indicative engraving parameters for Gravograph laserable materials		✓	✓	✓	✓	✓
Laser material calibration wizard		✓	✓	✓	✓	✓
*What You See Is What You Really Engrave* WYSIWYRE 2D engraving simulation	✓	✓	✓	✓	✓	✓
Rotary/Laser preview	✓	✓	✓	✓	✓	✓
Assessment of the engraving time with laser machine		✓	✓	✓	✓	✓
Window displaying machining status	✓	✓	✓	✓	✓	✓
Special effects: analyser and cleaner document tool					✓	✓
3D viewer tools: 3D surfaces view, color map, Styl'View, light direction						✓
Surface machining: testing a tool, modify for a tool, slices, flat skin – Facets on edge, Holes filling – <b>NEW</b>						✓
Composition tree						✓

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<b>OPTIONS</b>						
Braille Wizard (requires separate Braille kit for raster Braille) Manage the Automatic line return for Braille text		OPT	OPT	OPT	OPT	OPT
Bar codes: Code 39, Code 128, EAN-13, EAN-13+2, EAN-13+5, Ext Code 39, UPC-A, UPC-A+2, UPC-A+5, Interleaved 2/5 and more than 100 additional standards – <b>ENHANCED</b> Data Matrix : Code-16k, Code-49, PDF417, Aztec, Datamatrix, Maxicode, MicroPDF417, Databar, Codabloc-F, QR Code, Micro QR code – <b>ENHANCED</b> Negative engraving with border managements Vectorial engraving – Several variables management – <b>NEW</b> – 24 security levels management possibilities – <b>NEW</b> – bar reduction to allow a very small engraving – <b>NEW</b>				OPT	OPT	OPT
UID Wizard that create a 2D bar code following the UID standard (Unique Identifier). Vectorial engraving possibilities Vectorial UID				OPT	OPT	OPT
Professional Nesting (Optimization for material cutting) – Easy to use material offcuts during nesting to save material, money and the environment – <b>NEW</b>				OPT	✓ <b>NEW</b>	✓ <b>NEW</b>
Font Editor		OPT	OPT	OPT	OPT	OPT
Gravograph pre-routed and optimized engraving fonts: Pack 1 – General – <b>ENHANCED</b>	OPT	OPT	OPT	OPT	OPT	OPT
Gravograph pre-routed and optimized engraving fonts: Pack 2 – Industrial – <b>ENHANCED</b>	OPT	OPT	OPT	OPT	OPT	OPT
Gravograph pre-routed and optimized engraving fonts: Pack 3 – Retail – <b>ENHANCED</b>	OPT or linked to Perso Pack OPT	OPT or linked to Perso Pack OPT	✓	OPT or linked to Perso Pack OPT	OPT or linked to Perso Pack OPT	OPT or linked to Perso Pack OPT
Font Pack 4: Vision Numeric font pack, Asian font pack	OPT <b>NEW</b>	OPT	OPT	OPT	OPT	OPT
Photostyle: Photo engraving incl. bitmap scanning & editing, detail and relief filter, vector frames – New filters – <b>NEW</b>	OPT or linked to Perso Pack OPT	OPT or linked to Perso Pack OPT	OPT or linked to Perso Pack OPT	OPT or linked to Perso Pack OPT	OPT or linked to Perso Pack OPT	OPT or linked to Perso Pack OPT
Dedicace™: Handwritten Dedication	OPT or linked to Perso Pack OPT	OPT or linked to Perso Pack OPT	OPT or linked to Perso Pack OPT	OPT or linked to Perso Pack OPT	OPT or linked to Perso Pack OPT	OPT or linked to Perso Pack OPT
Personalization Pack: options package including Dedicace™, Photostyle and Font Pack 3	OPT	OPT	OPT	OPT	OPT	OPT
Japanese Seals					OPT	OPT
2.5D CAM Toolpaths including Cutting, Engraving, Finishing, Multi-tools Sequence, Prismatic Letters, Intaglio Toolpath – <b>NEW in Laser</b>					OPT	✓
Increasing number of machines set up		OPT	OPT	OPT	OPT	OPT