

FeneVision Release Notes

OPTI Version: 04.00

Added Bavelloni cutting table interface 10626

Glaston Technologies - Bavelloni cutting tables are now supported by FeneVision. Interface supports cutting shapes and DXF files. Machine does not support online mode.

Added Lothar cutting table interface 14377

Lothar cutting tables are now supported by FeneVision. Interface supports cutting shapes and DXF files. Machine does not support online mode.

Ability to nest more than two shapes 1553

Shapes such as parallelograms or triangles now nest in blocks that include more than two shapes, improving the yield of patterns with many shapes.

Added enhanced shape nesting logic to allow more shapes to nest together 13118

Shapes that did not nest in previous software versions will now nest. Combinations of different shapes that did not nest together in previous versions will now nest.

Ability to filter the racks and remakes tab in FeneVision OPTI-Glass 12448

Users can now filter the results shown in the rack selection dialog. All columns in the screen are available to used when filtering.

Ability to build and optimize several releases at the same time 14379

Multiple users can now build releases in OPTI-Glass simultaneously, and optimize releases simultaneously. This alleviates the need to coordinate optimizations with other users or users at different manufacturing locations.

Added new shapes to standard shape catalog for out of square conditions and glass railing 14660

Shapes 503-506 were created for "inside elbow" out-of-square instances. Shapes 334-343 were created for stair railing instances. Shape 901 was created for instances where all four sides of a rectangle are out of square.

Added optimization release support to CAPM module 15151

Optimization releases can now be managed in the CAPM module. Supports both cutting and tempering releases.

Additional Release Notes:

- Added ability to change user without requiring restart of FeneVision OPTI-Break application 13191
- Ability to specify default machine in 'Machine Setup' 7957
- Added 'Qty on Hand' to 'Inventory Relief' screen 12274
- Added ability to optimize shapes at Hegla laminated glass cutting table 12417
- Added ability for OPTI-Temp to run remakes in 'Batch' mode 12549
- Ability to use glass from 'Store' and send remnant back to same slot in 'Dynamic' mode 13047
- Added ability to account for edgework additions on parent subassemblies for processing before and after lamination 13163
- Added ability to turn off sequenced optimization when using 'Stacked' racks 13718
- Modified default yield formula to not include 'Store' and 'Restock' as good yield, and added ability to customize yield formula 13759
- Added ability to run OPTI-Break in 'Stub' mode, similar to FeneVision Tracking 13976
- Added column for average glass area per rack in FeneVision OPTI-Glass 'Rack Selection' tab 14398
- Removed FeneVision OPTI-Break glass reject time-out for first rejected lite 14544
- Ability for user to view release pattern without printing labels in FeneVision OPTI-Break; printing now defaults to 'Off' when release first opened 14625
- Added ability to integrate with Lisec 'Remnant Plate Storage System' (RPS) 14630
- Removed maximum trim limitation so users can simulate yield of different stock size by editing trim values 15014
- Improved performance of 'Optimization' tab, 'Order Search', printing, and FeneVision OPTI-Temp 15532

OPTI Version: 04.01

Added ability to process customer supplied glass in Opti-Temp 11201

Glass can now be processed in Opti-Temp without first being optimized in Opti-Glass. This situation occurs when tempering customer supplied glass.

Added system permissions to Opti applications 1201

The system permissions structure used in Core has been added to Opti-Glass and Opti-Break. Permission to sensitive application settings can now be restricted for users that should not have access.

FeneVision Release Notes

Added support for tin side of non-coated glass

14109

Non-coated glass can now be conditionally configured to account for surface orientation, which is required when clear glass has silk screen or coating applied.

Additional Release Notes:

- Added fields to Lisec interface that supply data to Lisec loading systems 14628
- Added "uspx" support that enables customization to filler functionality 15506
- Added support for PTC cutting tables with edge deletion 15524
- Added support for laminated glass type to the Lisec interface 15618
- Added performance improvements when selecting an optimized release 15676
- Added the ability to optimize a manual run in dynamic mode of Opti-Temp 15782
- Added performance enhancements on the racks tab when a large number of racks are displayed 15717

OPTI Version: 04.02

Added Stacked Rack Sequencing Support in Opti-Temp

15534

Allows users to process stacked racks without requiring resorting when removing glass from the rack.

Added Ability to Optimize Interlayer Material

15906

Added interlayer optimization capabilities into OptiGlass and OptiBreak applications.

Added ability to Show Edgework Colors on Pattern in Opti-Temp and other display settings

16609

Added the numerous display settings that were in Opti-Break to Opti-Temp. These include 'Show Base/Lower Right', 'Show Side Numbers', 'Show Short Side', 'Show 90 Degree Corners', and 'Show Edgework'.

Added ability to search for a customer when doing a quote optimization

16017

A customer filer has been added to the quote optimization screen so that the selling price can be adjusted easily based on potential yields.

Ability to re-print remake labels from Opti-Break after the remake is complete

16018

Users now have the ability to re-print remake labels through Opti-Break after the remake has completed.

Added Ability to Filter By Run Date at Selection Screen in Opti Break

1523

Allows the Opti Break user to select releases based on run date more easily.

Additional Release Notes:

- Improved Optimization Speed in Opti-Break for Releases with Filler 1546
- Added ability to select a different printer for Store and Production labels in Opti-Break 16022
- Added ability to filter available glass/racks to only lites that need to be tempered in Opti-Temp 6068
- Added Ability To Generate Bystronic Machine Files in Different Units Than Station 1697
- Added ability to reject a piece of glass when unit has been completed 15380
- Added ability to see the next rack at Opti-Temp exit 16195
- Fixed issue where Inventory Screen in Opti-Break doesn't consider Lots 16198
- Fixed Issue Where Filtering on the Remakes Tab Prevents Remakes from Being Added to a Release 16691
- Added ability to use Lisec param files for SORTTE field from Opti-Glass 16766
- Updated CMS Interface to indicate if Auto-Loader is being used 16831
- Added a Parameter to Control How Long Releases are Viewable 1067
- Updated Optimizer to exclude Store or Stock pieces that exceed the machine's Max Width and Max Height Settings 6834

OPTI Version: 04.02 SP 01

Added support for Schedule/Unit/Masterkey/Parentkey individual tags for lite display

17039

Users may now add individual tags on lite displays for the Schedule ID, Unit ID, Master Key, and Parent Key.

Added new shapes 346 and 347, rotated versions of 334 and 335

17589

Rotated versions of shapes 334 and 3335 have been added to the shape library as shapes 346 and 347.

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Additional Release Notes:

- Added ability to select multiple Process Filter Codes in Opti-Break 12704
- Added Rack Plan Date to All Remakes Lists 17441
- Updated Hegla interface for better handling of remnants 17126
- Updated pattern displays to show Side Numbers, Logo Location, and Base/Lower Right for DXFs 17186

OPTI Version: 04.03

Added ability to filter by a specific column or all columns in the Store screens in Opti-Glass and Opti-Break 16019

A filter has been added to the store screens to allow filtering on one or all columns. Also, all actions in these screens (Transfer, remove, print, etc) will only apply to what has been checked off.

Enhanced Releases screens in Opti-Glass to show more details in a grid and allow selection of multiple releases at once 16092

The screens on the 'Releases' tab in Opti-Glass have been enhanced to make it easier to manage release and allow actions to be taken on multiple releases at once.

Added Ability for Machines to Share Store 13848

A new 'Stores' screen has been added and the concept of 'Store Locations' has been introduced. Each machine that generates and consumes store will be assigned a store location. Each machine can have it's own store location or multiple machines can have the same.

Increased the maximum number of store slots 14397

The maximum number of store slots has been increased from 1000 to 32,767.

Added ability for pattern displays to show side numbers, Logo location, and Base\Lower Right for DXFs 17184

In Opti-Glass, Opti-Break, and Opti-Temp the pattern displays have been updated to show Side Numbers, Logo Location, and Base/Lower Right for DXFs.

Additional Release Notes:

- Added Ability to Select Multiple Process Filter Codes in Opti-Break 17038
- Added Ability to Add New Glass Parts when Optimizing from Opti-Glass so Non-Existent Stock Sizes Can be Used in an Optimization. 16016
- Added a Column to the 'Racks' Tab in Opti-Glass to Show the Glass Types on the Rack 16828
- Added Support for Schedule/Unit/Masterkey/Parentkey Individual Tags for Lite Display in Opti 17029
- Added Rack Plan Date to All Remakes Lists 17429
- Updated Opti-Temp to display Lite Tag on manually entered lites that use DXFs. 17206
- Added Ability to Search for a Glass Type When Manually Entering a Store Piece in Opti-Break or Opti-Glass 16020
- Added Ability to Search in Inventory Screen in Opti-Break 16021
- Updated Hegla interface for better handling of remnants 17127
- Removed helper scores from shapes 103 and 113 17379

OPTI Version: 04.03 SP 01

Ability for Opti CAPM to support more than 3 shifts 18196

CAPM in Opti was modified to support more than 3 shifts that to match what can now be configured in CORE.

Additional Release Notes:

- Ability to output racking info without auto-racking 18960
- Ability to view a report displaying the adjusted shape dimensions 18375
- ASLOT lite tag returns the position within the stack in A-Racks when it shouldn't 16791
- Add the ability to separately filter by "complete" on the new release maintenance screen 17663
- Show the total amount of square meters by glass type 17664
- Removed maximum internal trim limitation (currently 152.4mm) 17808
- Add stock size screen: Allow to customize default values for the description and part number fields 19149

OPTI Version: 04.03 SP 02

Ability to show rack sequence in lite tags 18671

FeneVision Release Notes

A new RACKSEQ tag has been added to the lite tag format to show rack sequence as defined when creating a release.

Ability to have dynamic optimization choose patterns that fill the next available rack faster 20497

The dynamic optimization now has the ability to choose the next pattern based on which available pattern has the most glass pieces on the next rack.

Additional Release Notes:

- Ability to output racking info without auto-racking 18956
- Ability to view a report displaying the adjusted shape dimensions 18152
- Use the lite tag format as the rack designator in the Lisec machine file. 18669
- Show A/K stack notation in lite tags to make it easier to identify racks at breakout. 18670
- The Add Remake button is covered up in the Remake menu by the Refresh button 20658

OPTI Version: 04.04

Ability for user to enter multiple remakes without having to re-open the screen 19380

The remakes screen in OptiBreak now shows a list instead of closing and reopening the screen for reach remake.

Add ability to specify Yield Factor and Load Sequence on Optimization tab 19123

Users now have the flexibility to change the yield factor and the load sequence from the optimization tab when building a specific release.

Add pattern number to all pattern views 19126

Added pattern number to the top of the screen where optimized patterns are shown. Includes OptiGlass, OptiBreak, and OptiTemp.

Additional Release Notes:

- Added field for quantity of pieces to Patterns, and Pattern Detail reports 18754
- Ability to customize the information displayed in the tooltip when click+holding on pattern in Opti Break 18756
- Removed maximum internal trim limitation that was previously 60" (152.4mm) 17793
- Added the ability to filter and show only items not processed in 'view cutting' 17806
- ASLOT lite tag returns the position within the stack in A-Racks when it shouldn't 17853
- Ability to see the total selected glass area when building a release 17902
- Multi language support 18608
- Ability to show A/K stack notation in lite tags at breakout 18650
- Ability to use the lite tag format as the rack designator in the Lisec interface 18653
- Added ability to show rack sequence in lite tags 18672
- Added shape 237 "casket shape" 18924
- Adjusted Yield Factor settings to be more intuitive using a scale of 1-100 (100 being highest priority) 19299

OPTI Version: 04.05

Ability to continue building releases while optimizing and create an optimization queue in Opti-Glass 18753

Users may now work on the next optimization release after clicking optimize on the current release. Multiple releases may be queued up for optimizing at the same time.

Ability to enter manual remakes in Opti-Break 19382

Users can now manually enter remakes into Opti-Break in addition to entering them in Opti-Glass.

Ability to view a report displaying the adjusted shape dimensions 18374

A new report was added to Opti-Glass that will show all standards shapes on a release and the cut size after edgework adjustments have been made.

Ability to manually choose lites when replacing in Opti-Temp 19079

Opti-Temp now has the ability to replace a lite in the pattern with one the user can manually choose from a list of available lites.

Ability to have dynamic optimization choose patterns that fill the next available rack faster 20709

The dynamic optimization now has the ability to choose the next pattern based on which available pattern has the most glass pieces on the next rack.

Ability to interface to Bottero cutting tables with laser marking 19347

FeneVision Release Notes

The Bottero interface now supports machines with laser marking, that mark the glass pieces before breakout. Supports logo locations as well as mirroring and rotation associated with the optimization.

Additional Release Notes:

- Ability to default the reports drop-down in Opti-Glass 20136
- Allow configurable schedule ID length to be used in Rack Tags 20363
- Added enhancements to quote optimization to be more user friendly, and added stock size functionality 20477
- Sped up Order Search screen by not loading all orders from last 30 days when opened 20586
- Ability to respect the tin side of glass without configuring glass as coated in Opti-Glass 20589
- Enhanced performance of release building screen 19184

OPTI Version: 04.05 SP 02

Ability to start a new batch in the current pattern instead of waiting for the next pattern 24682

Users may now optimize several batches in the same pattern in order to improve yield.

OPTI Version: 04.06

Ability to override the Opti colors via attribute 20723

An attribute can now be configured to return color text that will override the default pattern colors used in Opti-Glass and Opti-Break.

OPTI Version: 05.00

Ability to select the location in Opti-Glass 21095

The ability to change locations on the fly has been added to Opti-Glass. There is now a dropdown in the lower right of the screen (assuming more than one location is configured).

Additional Release Notes:

- Forecast order type no longer missing from Quote Optimization 21333
- Ability to customize the formula for lite size factor used in Opti-Temp 21516

OPTI Version: 05.01

Ability to toggle dynamic mode checkboxes in Opti-Break 22814

Dynamic mode checkboxes in Opti-Break can now be marked as toggle, along with disabled or enabled. Toggling will allow users to check/uncheck each option throughout an individual run.

Ability to multi-select releases and queue them up for optimization 23048

The ability to multi-select releases in Opti-Glass and queue them up for optimization without having to click on each one individually has been added.

Additional Release Notes:

- Allow the Tuomas to swap the X and Y coordinates at file generation time 20489
- Added support for Bavelloni Cut Table Interface - MLS 21386
- Added order type description to quote optimization 22900
- Ability to group line items by line item group in quote optimization 22901

OPTI Version: 05.03

Changed/updated Opti-Load settings 23508

Opti-Load's settings screen was updated to match other Opti application setting screens.

Opti-Load Inventory Enhancements 22597

Opti-Load Inventory application now allows users to recreate a visual representation of the rack layouts at their facilities. Communicating directly with Opti-Load, users can see the inventory in real-time as glass is being used.

Ability to identify manual racks in Opti-Load Inventory 23191

Opti-Load Inventory now allows users to mark a rack as manual, requiring glass to be retrieved manually.

Added settings screen for Opti-Load Inventory 23516

Opti-Load Inventory now has a hidden settings screen, mirrored after other Opti applications.

FeneVision Release Notes

Additional Release Notes:

- CAPM to complete releases that are dynamically optimized from Opti-Temp 22410
- Ability to toggle lite filler setting 23189
- Added Opti-Load Hegla EDI Loading Interface 23511
- Added settings for ability to check/uncheck the dynamic mode checkboxes in Opti-Break 20865

OPTI Version: 05.03 SP 01

Ability to Add Work while in batch mode 23832

With a batch mode release already in progress users can now queue up the next release using the Add Work button.

Additional Release Notes:

- Ability to use semi-online mode in Opti-Break for Optima 23817

OPTI Version: 06.00

Opti-Break: Ability to Add Work while in batch mode 23831

Users may now add release patterns to the working queue in Opti-Break batch mode to allow them to speed up production. Clicking the Add Work button will show the release selection screen similar to dynamic mode.

Opti-Temp: "Invert" is now called "Optimize Asc." 24471

Opti-Temp's Invert column (available in dynamic mode) has changed names to Optimize Asc. This will sequence the optimization ascending instead of descending, as is default.

Ability to force separation of Tempered and Heat Strengthened glass at Opti-Temp entrance 24475

Users are no longer able to select multiple process filters through dynamic mode in Opti-Temp. If a release has more than one tempering process, the release will only show the units associated with the process selected.

Additional Release Notes:

- Add about screen to Opti applications 24311
- New total sqm column in part tab in optimization 23385
- Ability to drive Base/Lower right indicator off an attribute 24347
- Add release description to RDL report headers 24460

OPTI Version: 06.01

OPTI Version: 06.02

Ability to multi-select with SHIFT in rack selection and rack detail screen during optimization 23386

Users now have the ability to highlight multiple racks at the same time by using the shift or control key, and use the spacebar to select / unselect rack during optimization.

Ability to start a new batch in the current pattern instead of waiting for the next pattern 23387

Users may now optimize several batches in the same pattern in order to improve yield.

Additional Release Notes:

- Ability to show fab operations in bed layout in Opti-Temp 24472
- Ability for Hegla EDI Loader to generate its own file separate from the Hegla Cutting Interface 24733
- Ability to set version parameter and various other changes in Optima Interface 24812
- Ability to raise information / error messages from Opti-Load Interfaces 24838
- Ability to see ReleaseID in Opti-Break and Opti-Temp header strings for batch mode 25045

OPTI Version: 06.02 SP 02

OPTI Version: 06.03

Ability to set "Rotate Exit View 180°" for Tempering Machines 23022

Users may now set a tempering machine to rotate the exit rack view 180°. This is replacing the ability to set the exit rack zero pattern location.

Ability to manage asymmetric edge deletion in Bottero interface 24052

Users may now add asymmetric edge deletion when using the Bottero cutting interface with a BotteroXYZ cutter.

FeneVision Release Notes

Ability to integrate sorting machine through new Opti-Sort Application 25060

Users may now utilize the Opti-Sort application to integrate FeneVision with their sorting system.

Ability to ignore Qty Allocated when calculating Use Max in Dynamic Mode 26551

When using dynamic mode, Opti-Glass will now ignore the quantity allocated, leading to a more accurate inventory count to optimize against.

Additional Release Notes:

- Ability to automatically add helper cuts to break out DXF shapes cut at Opti-Glass 8869
- Ability to use Lectra PVB interface with a Lectra CNC cutter 22913
- Ability to set permissions for pattern modifications 25492
- Ability to use IAS Loader Interface in Opti-Load 25649
- Ability for Use Max to calculate inventory numbers in Opti-Break 26452
- Ability to move packs quickly in Opti-Load Inventory 26563
- Ability to set Loading Racks in Opti-Load Inventory and move rack positions 26569
- Ability to enabled / disable setting for Metric Cut Files on the Intermac Interface 26674
- Ability to set zones, dividers, and protection sheets, and various other enhancements in Opti-Load Inventory 24173
- Ability to refresh via a new refresh button in Opti-Load Inventory 26564

OPTI Version: 06.04

Ability to use Previous and Next Pattern hotkeys in Opti-Temp 26389

Users may now utilize the same hotkeys from Opti-Break in Opti-Temp to move to the previous or next pattern, as well as show the about screen. This functionality is available at load and unload Opti-Temp stations.

Ability to recall dynamic patterns in Opti-Break on start 26687

Users now have to ability to recall dynamic patterns that were in progress when starting a run in Opti-Break if cut files had been previously sent to the machine. This will help to mitigate being unable to accept glass when Opti-Break has to be stopped mid run.

Ability to cut down online store to a maximum size and control restrictions on the online store 27249

Users may now require a cut down to the maximum size of the online storage system, as well as require a full x-plate remnant and control rotate allowances in order to match the machine limitations.

Ability to change color of Scores in Opti products 27480

Users may now change the color of the score lines within Opti in order to help see the different break scores more easily.

Additional Release Notes:

- Ability for Opti-Load to communicate with a Bottero database 26149
- Ability to sync online store with Bottero 26150
- Ability to use Bottero Label Interface 26152
- Ability to add additional fields in Hegla cut file 26366
- Ability to generate laser information in Hegla cutting file 26663
- Ability to generate Hegla EDICUT 5.0 machine files 26664
- Ability to support for Hegla RemasterServer 2.2 26665
- Ability to support a remnant interface to Opti-Sort Server 26691
- Ability to change tempering optimization settings on the fly per optimization 27387
- Ability to support Sync Only Online Stores 27486