ULTIMATE
Impostrip®

UltimateTech

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2024.2
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Introduction

Welcome to Ultimate Impostrip 2024.2

We are delighted to be able to release Ultimate Impostrip 2024.2 to you.

Highlights of this release include:

- Banner creation can be on-the fly via XML for Redirection
- Separation output now possible via Optional Content Groups (Layers)
- Updates and new functionality for:
    - CSV Batcher
    - AutoNesting
    - AutoFlow
    - Stacking Manager
    - XML for Redirection

Regards

The Ultimate Tech Team

Information before you Install!

IMPORTANT – Change to the 'Zero' value in Marks placement

With previous versions of Impostrip, Cut Marks and Side Marks had a special handling when their placement was defined as zero (0). In previous version, the value of 'zero' equated to a value of 1/8 inch or 3.175 mm.

Now, in Ultimate Impostrip 2024.2, this behavior has been changed, and a 'zero' value actually does mean 'zero'. This has been done for several reasons, the first is that we had customers who actually wanted a 'zero' value offset for the marks, and the second is that the previous behavior was quite confusing.

If you have any Cut Marks or Side Marks with a 'zero' value, then please be aware their offset position may change in this version, and they may need to be adjusted.

AutoFlow Job Ganging Algorithm has been improved

The Autoflow algorithm has been improved in this version. The parameters for the 'Multi-group' functionality have been adjusted which will result in better material usage when this option is enabled.

If you have any repeat jobs, you should be aware their layout may change, but in a good way.

Terminology change 'Nested Marks'

Within the Camera Marks option for cutting tables, the marks that can be defined to appear within a nest have been changed from 'Shape Marks' to 'Nested Marks'.

This has been done to avoid confusion with the new 'Shape Mark' that was released in a previous version of Impostrip and allows you to create Marks as squares, rectangles or circles. This previous generation of such marks in Ultimate Impostrip was not possible and meant shapes like these had to be imported as PDF files.

Terminology change 'Color Separation'

The Output Option 'Color Separation' has been renamed to just 'Separation' to reflect the fact that separations can now also be done via PDF Layers, also known as Optional Content Groups (OCG's).

Font Handling Improvements

Improvements have been made with regards to the handling of 8-Bit fonts with Accents when using DLI output.

New Features and Improvements

XML for Redirection now supports the creation and editing of Banners

XML for Redirection can now support the select and editing of existing Banners at runtime or the complete creation of Banners including text, graphics and barcodes on-the-fly.

Please see the XML for Redirection documentation (within the installed application package of your installation), the XML for Redirection Schema or the XML Samples attached to the XML for Redirection documentation.

XML for Redirection now works with Multiple Template Agent

The Paper Size, Margins and Gutters can be independently defined for the Master and two Alternate Templates.

Please see the XML for Redirection documentation (within the installed application package of your installation), the XML for Redirection Schema or the XML Samples attached to the XML for Redirection documentation.

XML for Redirection now supports the Horizon SmartStacker Imposition type

The Horizon SmartStacker Hot Folder settings can now be driven by XML for Redirection.

</Documents>

<SmartStacker AllowCopies="False" ApplyQuantityBeforeImposition="True" />

Please see the XML for Redirection documentation (within the installed application package of your installation), or the XML for Redirection Schema.

XML for Redirection Text Mark now supports Color and Overprint

See example below.

```
<Mark Name="TextMark" Target="Page" MarkAnchor="2" OffsetX="0" OffsetY="0" Rotate="0" FontSize="60" FontName="ArialMT" Text="1" Color="50|50|100|0" Overprint="false">
  <Page PageAnchor="1" OnAllPages="false" OnRowColumn="true" OnImpositionPage="false" PageRow="1" PageColumn="1" />
  <Sheet AllSheets="False" First="False" Last="False" Side="Front" UseSheetRepetition="true" SheetRepetitionFrom="1" SheetRepetitionEvery="1" />
</Mark>
```

Also see the XML for Redirection documentation (within the installed application package of your installation), or the XML for Redirection Schema.

An XML Schema is now available for the Audit File

In addition to a Schema for XML for Redirection, in this release a Schema for the Ultimate Impostrip Audit file is also available, both are stored in the same location.

They are inside the Ultimate Impostrip application package. Program files OR Application Files > Ultimate Technographics > Ultimate Impostrip > Contents > Resources > public > schemas

AutoNesting – now works with UNC Paths

A small improvement to the AutoNesting functionality. You can now define Hot Folder paths as UNC with AutoNesting.

AutoNesting – User defined Fixed Rotation Angle

AutoNesting now has a new Rotation option that offers more precise control and allows you to define a set Rotation angle for products when using AutoNesting.

This is also updated in XML for Redirection
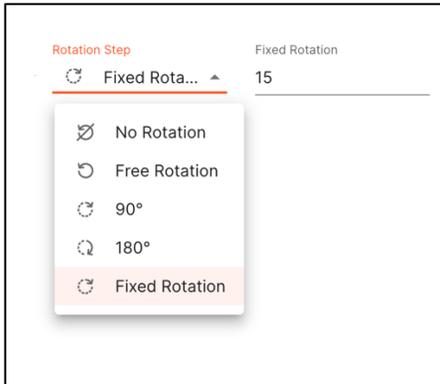
CSV Batcher - Supports multiple Groups

The CSV Batcher now has the option to work with multiple columns when defining grouping of batches.

You simply add additional fields to the group section and define the necessary 'string pattern' if needed.

CSV Batcher - Supports input of a folder with a CSV and PDF files, with no file path in the CSV

In certain cases, a CSV file will not contain any references to the PDF files that are required to be processed, Direct Mail is a good example of this where you will have a single CSV file and a single PDF file. The CSV Batcher now supports this scenario and will process a Job folder that contains a CSV file and a single PDF file. This cannot work with multiple PDF files.

CSV Batcher – Can now merge Output Batches

In some scenarios it's required to merge all the individual batches that have been created back into a single PDF file. The use case would be that each batch would be imposed, and during that process a banner sheet added, but for delivery to the DFE a single merged PDF is required with Batches in the correct order. This is now possible within the CSV Batcher with this new option.

CSV Batcher – Can now create an Output JDF RunList

When working with batches it is often important that they are delivered to the output DFE in the correct order. One way to achieve this is to merge the batches as discussed in the previous feature, another is to deliver the batches to the DFE via a JDF Run List. The RunList tells the DFE the order in which the batches should be processed and output.

This is DFE dependent, so you should test your DFE supports this functionality, but the benefits of this approach mean you do not need to merge the PDF files, so there is a time saving there and also you are not delivering a single large PDF to the DFE, instead you are delivering multiple smaller PDF's that can be processed simultaneously by your DFE if it is multi-threaded or has multiple Rip processors.

Digital Printer Profile – New Communications Protocol 'file'

The Digital Printer Profile now has a new communications protocol for communication with a DFE.

This option sends the DFE the location of the required files as a file URL (file://).
This can be useful if all devices are running on a common platform.
This option is recommended if you are not saving the imposed PDF files on the Impostrip Server, but on the DFE or a file server which is a shared volume.

Output Separation now supports Optional Content Groups (PDF Layers)

The Output Separation option in Ultimate Impostrip has been improved and now not only works with Color Separations, but also now with 'Optional Content Groups' or OCG's, otherwise known in PDF as 'Layers'.

The functionality works exactly as before, but instead of Color Separations you can now choose to configure the functionality to be based on OCG's (Layers).

To understand the feature fully you should read the updated User Guide, especially regarding the handling of 'hidden' or 'OFF' Layers.

Manual Job Preview has been redesigned and now supports Overprint

The Job Preview within Manual Jobs has been redesigned and uses a new technology; Overprint is now supported.

LaneFlow - New Rotation Options
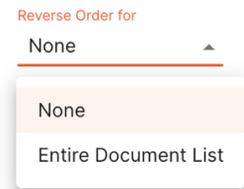
The Rotation options in Laneflow have been improved, these options are also available through XML for Redirection.
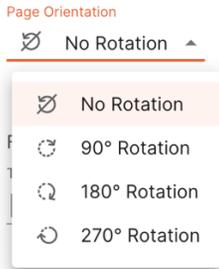
LaneFlow – Reverse Document order

LaneFlow now has the ability to reverse the document order of jobs, useful when rewinding is required.

Stacking Manager – can now consider files in folder as one job
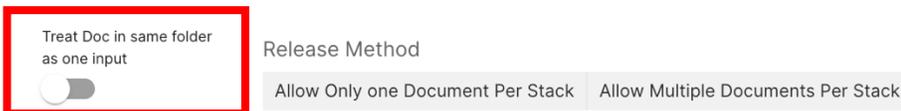
'Treat Doc in same folder as one input' is useful for jobs which use multiple PDF files to make one book: 1 PDF per section, or chapter, etc. If those files are treated as jobs, Stacking Manager redistributes them in between other documents, losing the normal sequence of one book. 'Treat Doc in same folder as one input' resolves this and treats the folder contents as one job.

Stacking Manager – Release Trigger have been updated
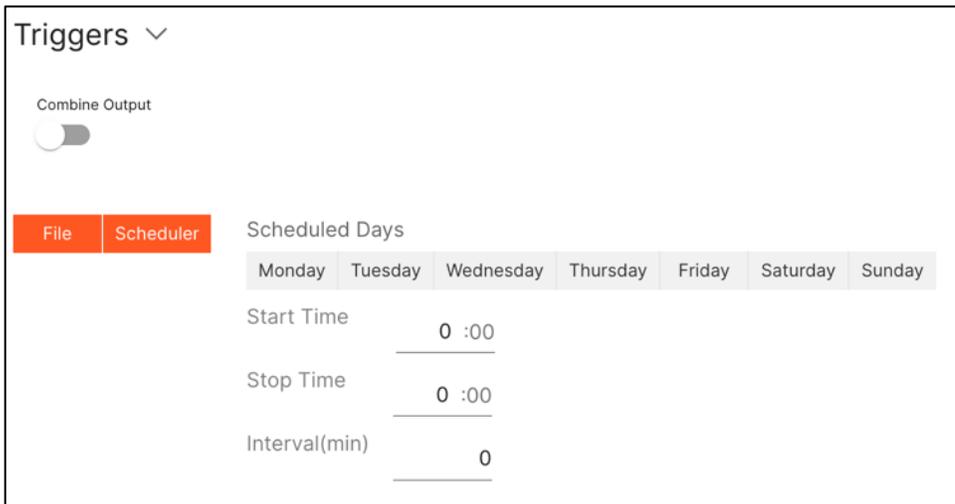
The Release Triggers for Stacking Manager have been updated to bring them into line with other Batching options.

Scalable Preferences - Optimize XObjects On Merge

When files PDF files are merged Ultimate Impostrip® offers the option to optimize XObjects. With this option, common objects and repeated pages appear only once in the imposed output PDF and are then referenced when they occur again in the imposed PDF.

This reduces the file size of the output file and can also improve the output RIP performance as the objects are ripped once, cached and then called again when needed.

The processing overhead for this feature is low, so the recommendation is to always enable it.
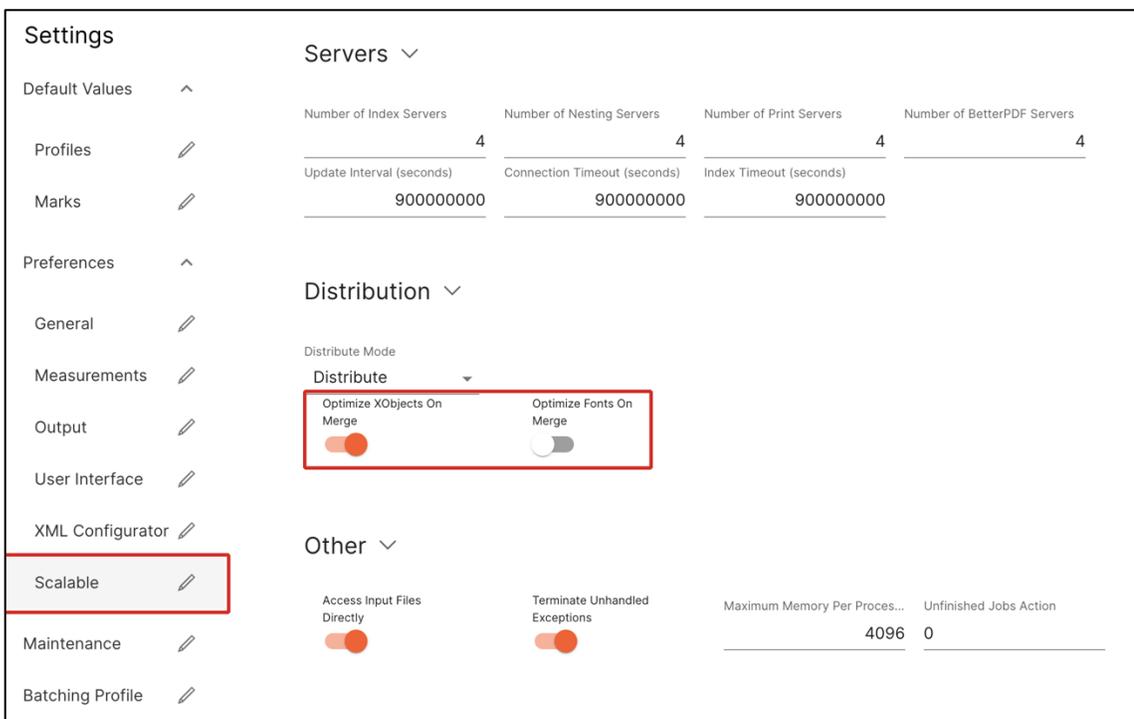
Optimize Fonts On Merge

During the merging of multiple PDF batches, a font may be duplicated and appear multiple times in the final PDF, especially when subset. 'Optimize Fonts on Merge' combines such fonts and merges and optimizes them, this feature is particularly useful in large pagination and variable data work where multiple subset fonts can have an impact on Rip processing times.

However, this is quite a processor heavy function and can increase the processing time of the Merge quite considerably. It is suggested that you try the option on/off with a typical job and then rip both examples and compare the output times. Then you can make an informed decision if this option should be enabled.

Multi-line Formulas are now supported

Multiline formulas are now supported within the 'Formulas' functionality.

New 'Trim Width' Formula Variable

Trim Width is now available as a variable in the Formula Editor.

Dynamic

BOOKLET SIGNATURE NUMBER	BOOKLET TOTAL SIGNATURES NUMBER	BOOKLET NUMBER	TOTAL BOOKLET NUMBER
CURRENT PAGE NUMBER	DOCFILE COUNT	DOCFILE PAGE NUMBER	DOCFILE TOTAL PAGES NUMBER
PAPER HEIGHT (PT)	PAPER WIDTH (PT)	PRINT COPIES	SECTION NUMBER
SHEET NUMBER	SHEETS PER BOOKLET	TOTAL NUMBER OF PAGES	TOTAL NUMBER OF SHEETS
TRIM HEAD	TRIM WIDTH	TRIM HEIGHT	CURRENT COPIES NUMBER
WEB NUMBER	WEB SIGNATURE NUMBER		

2024.2 Tickets and Fixes

TT4968	Resolved an issue with Static Margins in Templates when using Multiple Template Agent
TT6039	Resolved an issue with inner Crop Marks with AutoFlow
TT6230	Changed the behavior of Crop Mark placement regarding 0/0 offset
TT6245	Resolved an issue with Must Crop Mark placement
TT6249	Resolved an issue where Trim Marks would move with a Negative Bleed Box
TT6252	Resolved an issue with Static Margins in Templates when using Multiple Template Agent
TT6263	Resolved an issue where Bleed was not correct with Dutch Cut
TT6281	Resolved an issue where edited Marks would replace the wrong Mark
TT6291	Resolved an issue where Multiple Template Agent was not applying the Alternate Template
TT6301	Resolved an issue where a Template was not appearing in the drop-down list
TT6305	Resolved an issue when Importing Impopacks with Conditional Output for Banners
TT6308	Resolved an issue with AutoNesting Duplex
TT6309	Resolved an issue where Multiple Template Agent was not applying the Alternate Template
TT6311	Resolved an issue with a crashing Mult-Web Template
TT6319	Resolved an issue with the Ultimate Color Bar and an unused separation
TT6351	Resolved an issue with Dutch Cut Template and Imposition Agent
TT6352	Resolved an issue with Dutch Cut Template and Imposition Agent
TT6360	Resolved an issue where parts of a Registration Mark where incorrectly colored
TT6397	Improved the behavior when importing a Corrupt Impopack
TT6422	Resolved an issue with the Rec Start Marks
TT6489	Resolved an issue with Color Separation
TT6490	Resolved an issue with Color Merging
TT6394	Resolved an issue with Text Marks with Accents in 8-Bit fonts when using DLI Output
TT6190	Resolved an issue where an XML issue was not reported by the Schema

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