

StruM.I.S V9.0.22 What's New Guide

Below lists all of the significant changes in the new StruM.I.S 9.0.22 patch. The changes have been categorised by Module, and then into significant *New Features* and *Minor Enhancements & Bug Fixes*.

Enquiries & Estimating

New Features

Batch Creation of Unrecognised Items

During the import of material lists into an Estimate, Users now have the ability to easily create new Items for all of the components flagged as “Unrecognised” in a single process, saving the need to close the import Wizard and create the new Items one by one.

This has been primarily implemented for the creation of custom built-up profiles, but will be developed further to handle regular sections well.

Ignore	Item Name	Section Size	Section Type	Grade	Labour Usages	Girder Shape	Girder Type	Depth	Web Thickness	TF Thickness	TF Width	BF Thickness	BF Width	Web Offset
<input type="checkbox"/>	PG625-12-12X225	PG625-12-12X225	PG	S355JR		I Profile	Symmetrical	625.000	12.000	12.000	225.000	12.000	225.000	0.000
<input type="checkbox"/>	PG625-10-10X160	PG625-10-10X160	PG	S355JR		I Profile	Symmetrical	625.000	10.000	10.000	160.000	10.000	160.000	0.000
<input type="checkbox"/>	PG625-8-10X160	PG625-8-10X160	PG	S355JR		I Profile	Symmetrical	625.000	8.000	10.000	160.000	10.000	160.000	0.000
<input type="checkbox"/>	PG625-12-10X160	PG625-12-10X160	PG	S355JR		I Profile	Symmetrical	625.000	12.000	10.000	160.000	10.000	160.000	0.000
<input type="checkbox"/>	PG625-12-15X250-20X250	PG625-12-15X250-20X250	PG	S355JR		I Profile	Asymmetrical	625.000	12.000	15.000	250.000	20.000	250.000	0.000
<input type="checkbox"/>	PG625-15-25X250	PG625-15-25X250	PG	S355JR		I Profile	Symmetrical	625.000	15.000	25.000	250.000	25.000	250.000	0.000
<input type="checkbox"/>	PG625-15-18X250	PG625-15-18X250	PG	S355JR		I Profile	Symmetrical	625.000	15.000	18.000	250.000	18.000	250.000	0.000
<input type="checkbox"/>	PG625-12-12X180	PG625-12-12X180	PG	S355JR		I Profile	Symmetrical	625.000	12.000	12.000	180.000	12.000	180.000	0.000
<input type="checkbox"/>	PG625-12-12X160	PG625-12-12X160	PG	S355JR		I Profile	Symmetrical	625.000	12.000	12.000	160.000	12.000	160.000	0.000
<input type="checkbox"/>	PG625-12-18X170	PG625-12-18X170	PG	S355JR		I Profile	Symmetrical	625.000	12.000	18.000	170.000	18.000	170.000	0.000
<input type="checkbox"/>	PG625-18-25X375	PG625-18-25X375	PG	S355JR		I Profile	Symmetrical	625.000	18.000	25.000	375.000	25.000	375.000	0.000
<input type="checkbox"/>	PG625-15-30X425-35X425	PG625-15-30X425-35X425	PG	S355JR		I Profile	Asymmetrical	625.000	15.000	30.000	425.000	35.000	425.000	0.000
<input type="checkbox"/>	PG625-15-40X200	PG625-15-40X200												
<input type="checkbox"/>	PG625-18-25X400	PG625-18-25X400												
<input type="checkbox"/>	PG625-20-25X400	PG625-20-25X400												
<input type="checkbox"/>	PG625-18-30X400-35X400	PG625-18-30X400-35X400												
<input type="checkbox"/>	PG475-15-18X250	PG475-15-18X250												
<input type="checkbox"/>	PG475-12-15X250	PG475-12-15X250												
<input type="checkbox"/>	PG475-10-12X200	PG475-10-12X200												

Minor Enhancements & Bug Fixes

- “New Item” button on the Estimate Steel Item form allows Users to create new Items on-the-fly whilst performing a material take-off.
- “Address Type” field has been added to the Details tab of the Enquiry form.
- Error no longer occurs when User applies a custom Bid Status to an Enquiry. 11654

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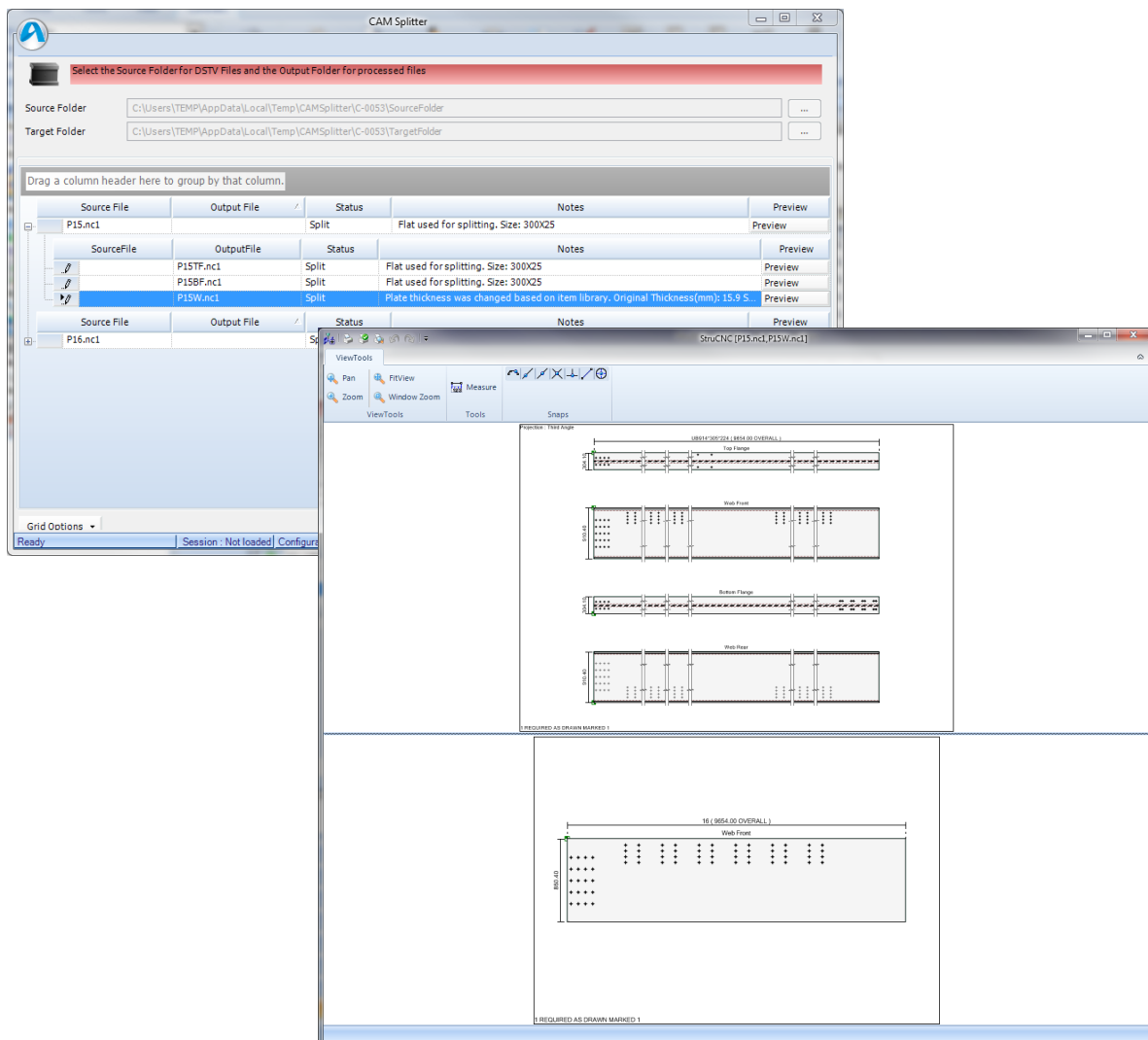
Contracts Management

New Features

NC / CAM Splitting Tool for Built Up Sections

During the import of material lists into a Contract Detail Listing, Users now have the option to “split” built-up and difficult-to-source profiles into their individual plate components by utilising the Items’ NC / CAM file.

This allows for much easier management throughout StruM.I.S of sections that need to be fabricated from plate.



Batch Creation of Unrecognised Items

During the import of material lists into a Contract, Users now have the ability to easily create new Items for all of the components flagged as “Unrecognised” in a single process, saving the need to close the import Wizard and create the new Items one by one.

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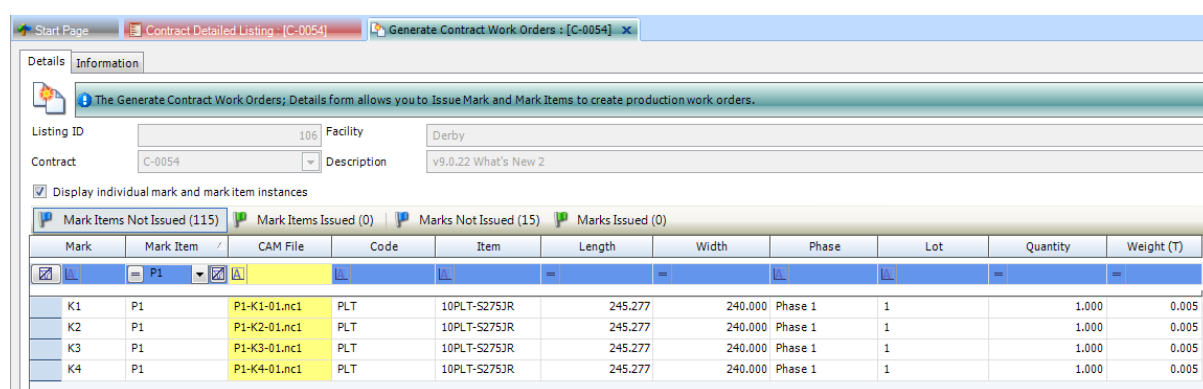
This has been primarily implemented for the creation of custom built-up profiles, but will be developed further to handle regular sections well.

Import Individual-Instance NC Files

StruM.I.S now has the ability to recognise and manage individual-instance NC files for Mark Items via the Import Document Wizard.

Individual-instance NC files occur when Voortman's Tekla Layout Marking Plugin has been utilised within Tekla, and the NC files contain instance-specific details such as scribing.

The different iterations of a Mark Item's NC file will be utilised within StruM.I.S when generating work orders and sending NC files to workstations, ensuring only the relevant information for the relevant Mark Item instances is used.

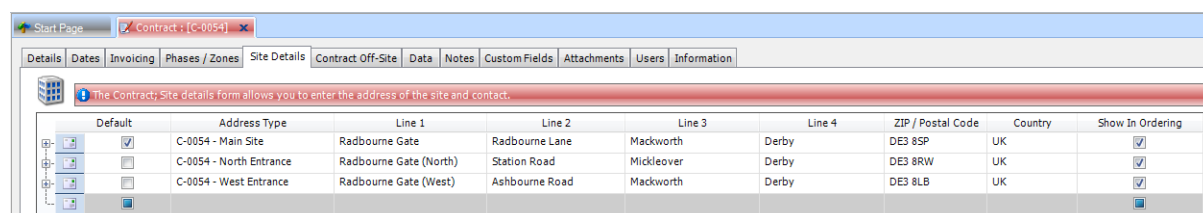


Mark	Mark Item	CAM File	Code	Item	Length	Width	Phase	Lot	Quantity	Weight (T)
K1	P1	P1-K1-01.nc1	PLT	10PLT-S275JR	245.277	240.000	Phase 1	1	1.000	0.005
K2	P1	P1-K2-01.nc1	PLT	10PLT-S275JR	245.277	240.000	Phase 1	1	1.000	0.005
K3	P1	P1-K3-01.nc1	PLT	10PLT-S275JR	245.277	240.000	Phase 1	1	1.000	0.005
K4	P1	P1-K4-01.nc1	PLT	10PLT-S275JR	245.277	240.000	Phase 1	1	1.000	0.005

Multiple Contract Site Addresses

Users can now specify multiple "Contract Site" addresses for a given Contract.

Previously, it has only been possible to create a single address for the erection site of a Contract, but to meet the demands of our Clients working on larger projects where an erection site may have a series of different delivery addresses, these can now all be entered on the Site Details tab of a Contract.



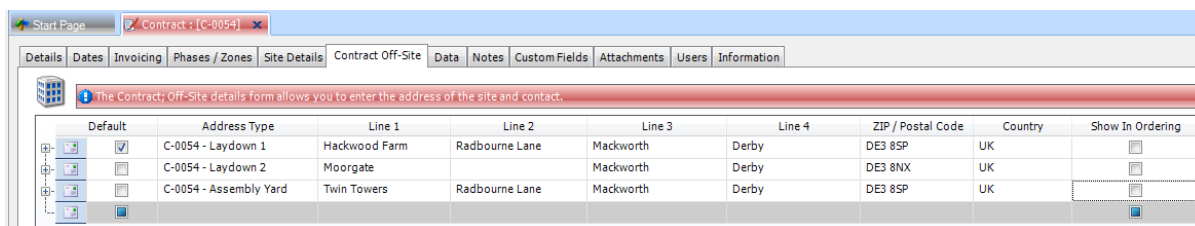
Default	Address Type	Line 1	Line 2	Line 3	Line 4	ZIP / Postal Code	Country	Show In Ordering
<input checked="" type="checkbox"/>	C-0054 - Main Site	Radbourne Gate	Radbourne Lane	Mackworth	Derby	DE3 8SP	UK	<input checked="" type="checkbox"/>
<input type="checkbox"/>	C-0054 - North Entrance	Radbourne Gate (North)	Station Road	Mickleover	Derby	DE3 8RW	UK	<input checked="" type="checkbox"/>
<input type="checkbox"/>	C-0054 - West Entrance	Radbourne Gate (West)	Ashbourne Road	Mackworth	Derby	DE3 8LB	UK	<input checked="" type="checkbox"/>

Contract Off-Site Locations

Further to the new functionality with multiple Contract Site addresses, StruM.I.S v9.0.22 introduces a new location type; "Contract Off-Site".

These can be used for off-site modular assembly yards or remote, Contract-specific, storage locations such as ports and freight depots – and StruM.I.S allows Users to utilise these locations on Production Work Orders and Delivery Notes, providing greater traceability of goods when they leave the workshop.

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Default	Address Type	Line 1	Line 2	Line 3	Line 4	ZIP / Postal Code	Country	Show In Ordering
<input checked="" type="checkbox"/>	C-0054 - Laydown 1	Hackwood Farm	Radbourne Lane	Mackworth	Derby	DE3 8SP	UK	<input type="checkbox"/>
<input type="checkbox"/>	C-0054 - Laydown 2	Moorgate		Mackworth	Derby	DE3 8NX	UK	<input type="checkbox"/>
<input type="checkbox"/>	C-0054 - Assembly Yard	Twin Towers	Radbourne Lane	Mackworth	Derby	DE3 8SP	UK	<input type="checkbox"/>

Bentley ProStructures Cad Interface

A new cad interface has been created for Users detailing in Bentley ProStructures (v8 onwards).

This is in association with BIMReview's ability to open ProStructures' I.DGN model export format.



Autodesk Advance Steel Cad Interface

The existing Advance Steel cad interface has been updated to support Users detailing in Autodesk Advance Steel 2016.

This is in association with BIMReview's ability to open Advance Steel's SLMX model export format.

AUTODESK® ADVANCE STEEL

MBS Cad Interface

A new cad interface has been created for Users detailing in MBS (Metal Building Software Inc.).



Minor Enhancements & Bug Fixes

- The field "Quantity Pieces" is now available to add to the Phase / Zone Totals report. This displays the quantity of Mark Items per Mark or Phase (depending on Print Option). 12222
- It is now possible to differentiate between Shop and Site bolts on the SDS/2 BIMReview cad interface. 12079
- The field "Paint Finish Description" is now available to add to the Paint Finish List report for both Marks and Mark Items. 12487
- Users can now refresh the Contract drop down list on the Contract ribbon to see new Contracts; using the F5 key and right-click – Refresh. 11865
- My Contract Reports is now enabled even if it is only at Preliminary Listing stage. 11226
- The Employee Timesheet Notes field is now available to add to the Budgets – Employee Timesheets grid. 12230

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- Mark custom fields are now available to add to the Phase / Zone Totals report. 12658
- Mark custom fields are now available to add to the Drawing Material List report. 12659
- Error no longer occurs when the Contract ribbon is minimised and User attempts to select a Contract. 11432 / 12847
- Error no longer occurs when attempting to load a Contract BIMReview model. 11989
- Users with Update Custom Field Values permission on Contract Detailed Listing can now edit Mark and Mark Item custom field values. 12721
- Mark custom fields are now available to add to the Contract Detailed Listing – Drawing Marks grid. 13184

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Items & Inventory

New Features

New Plate Girder Item Properties

When creating new Items, it is now possible for Users to identify built-up profiles and enter more detailed properties.

By nominating a Section Type as a “Custom Girder”, Users can create symmetrical and asymmetrical I beams and box girders; specifying both top and bottom flange dimensions, and in the case of box girders, also the web offset.

This feature can be used in collaboration with the “Batch Creation of Unrecognised Items” during the import process (under Contracts Management: Major New Features), to save time when importing a material list which contains non-standard profiles.

The screenshot displays the 'Item Properties' form in the StruM.I.S software. The 'Item ID' is 3336, 'Item Type' is Steel, 'Unique Name' is 650X15-20X350-182PG-S355JR, and 'Description' is 650X15-20X350-182PG-S355JR. The 'Cost Code' is N/A and 'Weight (T/m)' is 0.182. The 'Waste/Scrap Cost Code' is also N/A. The 'Steel Section Properties' panel shows 'Section Code' as PG, 'Section Size' as 650X15-20X350-182, 'Grade' as S355JR, 'Density' as 0.000, 'Surface Area (M²)' as 2.670, and 'Cross Section Area (M²)' as 0.014. The 'Custom Girder Properties' panel, highlighted with a blue border, shows 'Shape' as I Profile, 'Type' as Symmetrical, 'Depth' as 650.000, 'Web Thickness' as 15.000, 'TF Width' as 350.000, 'BF Width' as 350.000, 'True Web Width' as 610.000, 'Web Offset' as 0.000, 'TF Thickness' as 20.000, and 'BF Thickness' as 20.000.

Barcode Stock-Take (Inventory Reconciliation)

A new “Inventory Reconciliation Wizard” has been introduced to allow Users to import stock-takes done by barcoding, and reconcile this with existing Inventory.

This feature will be extended in future versions to cater for stock-takes done by other methods, such as in Microsoft Excel.

Improved Traceability of Inventory

Significant architectural changes have been implemented in StruM.I.S v9.0.22 to allow for greater traceability of Inventory and the components ultimately produced from them.

Key information such as Cast / Heat Numbers, CE Marking and Allocations is now maintained against each instance of a bar / sheet; and each bar / sheet is issued with a unique Tracking Number and GUID.

A new “Display Individual Instances” check box has been added to the Inventory search grid, allowing Users to choose between seeing the grids “rolled-up” with summarised quantities or “flattened” with individual instances.

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Minor Enhancements & Bug Fixes

- New Cross Allocation Summary Sheet by Cost Code report. 12242
- Error no longer occurs when User attempts to clear the filter of an individual column on the Inventory search grid. 11579

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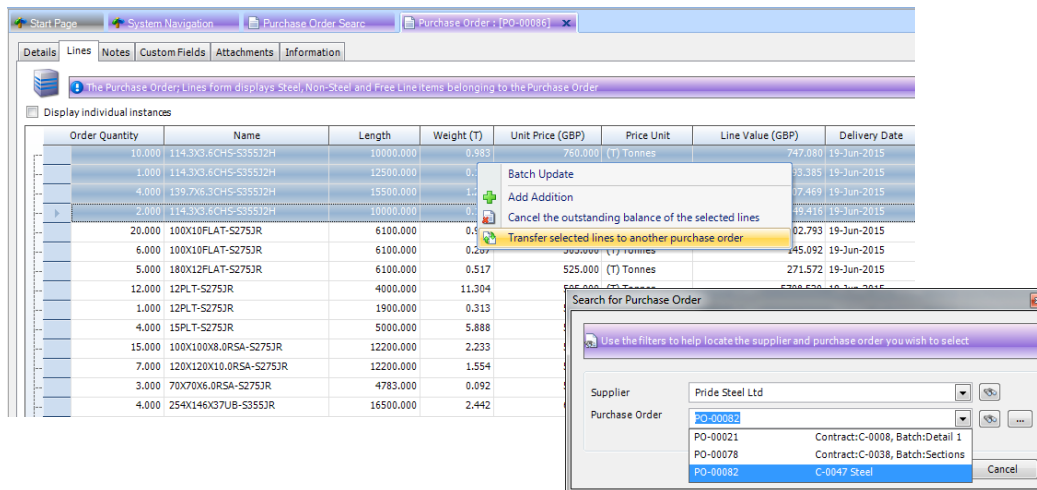
Purchasing & Suppliers

New Features

Transfer Purchase Order Lines

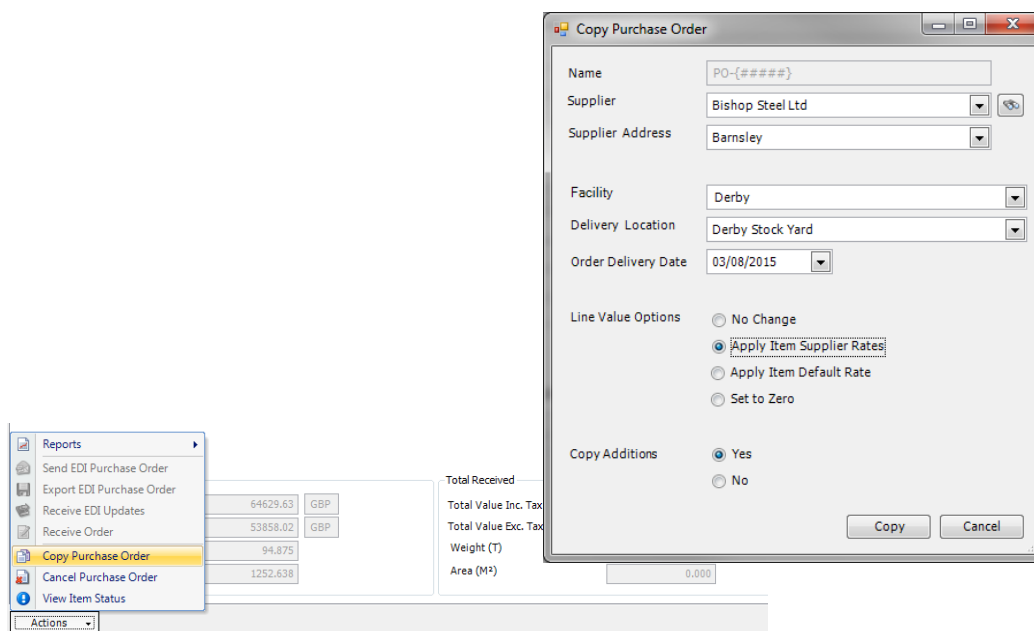
It is now possible to transfer lines on one Purchase Order to another Purchase Order.

This comes in handy when a Supplier can no longer fulfil all or part of a Purchase Order, and therefore the same Items need to be moved to a PO for another Supplier without having to re-enter all the information.



Copy Purchase Order

Ideal for when placing regular Purchase Orders for stock, the new Copy Purchase Order option allows Users to quickly duplicate an existing PO and all of its lines onto a new Purchase Order.



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Cancel Purchase Order and Purchase Order Lines

The new Cancel Purchase Order option will remove all undelivered lines from a Purchase Order; un-nesting them in the process if necessary.

Likewise, it is also possible to cancel the balance of a selection of individual PO lines, should a Supplier not be able to fulfil the original requirement.

Minimum Order Quantity and Order in Multiples Of

The existing *Minimum Order Quantity* and *Order in Multiples Of* properties on the Purchasing Information tab of an Item have been extended to work with Steel Items.

These settings are ideal for ordering the likes of bolts, which are bought in packs (ie. multiples), and they will even work when nesting Items – with the shortfall being added to the Purchase Order as free stock lines.

Supplier	Default Supplier	Price Unit	Currency	Unit Price	Discount %	Min Order Quantity	Order in Multiples of
Estimating Vendor / Stockist (Derby)	<input type="checkbox"/>	Each	GBP	0.000	0.000	1,000	1,000
Estimating Mill (Derby)	<input type="checkbox"/>	Each	GBP	0.000	0.000	1,000	1,000
BOQ Vendor / Stockist (Derby)	<input type="checkbox"/>	Each	GBP	0.000	0.000	1,000	1,000
BOQ Mill (Derby)	<input type="checkbox"/>	Each	GBP	0.000	0.000	1,000	1,000
Derby Bolts & Fasteners Ltd	<input checked="" type="checkbox"/>	Each	GBP	0.000	0.000	50,000	25,000

Order Quantity	Name	Allocation	Unit Price (GBP)	Price Unit	Line Value (GBP)	Length	Weight (T)	Delivery Date	MinQuantityExcessLine
67,000	M20X45 XOX BOLT-8.8	C-0054	11.950	Per 50	16,013	0.000	0.011	29-Jul-2015	<input type="checkbox"/>
8,000	M20X45 XOX BOLT-8.8	Free	11.950	Per 50	1,912	0.000	0.001	29-Jul-2015	<input checked="" type="checkbox"/>

AISC Steel XML Functionality

AceCad have undertaken the first phase of implementing the AISC Steel XML schema into StruM.I.S. This electronic data interchange (EDI) between fabricators and suppliers will remove the need for manual requests for quotation and time-consuming double entry of costs etc.

Please note that the use of this feature will require a Vendor also compatible with the AISC Steel XML schema.

Display Individual Lines on Purchase Orders and Receipts

Both the Purchase Order Lines tab and the Purchase Order Receipts grid have a new “Display Individual Instances” check box option. Ticking this option will “flatten” the lines in the grid, so each line has a quantity of 1.

This will allows Users to enter different properties for different instances of a Purchase Order Line – for example if you order 5 bars and 3 instances have one Cast / Heat Number and the remaining 2 have another, ticking this option will easily allow this information to be entered.

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Start Page | Purchase Order Receipt - REC-00057

Details | Custom Fields | Attachments | Information

The Purchase Order Receipt Details form manages the receipt of items from Suppliers

Receipt ID: 250

Number: REC-00057

Supplier: Cook Metals(Loughborough)Ltd

Supplier Delivery Note: CML-20150729/01001

Receive Date: 29/07/2015

Facility: Derby

Receive to Facility: Derby

Currency: GBP

☐ Display individual instances

Quantity	Line Description	Item	Length	Width	Cast Reference	Tracking Number	CE Mark	Country Of Origin	Order	Location
2.000	10PLT-S275JR	10PLT-S275JR	2500.000	1250.000					PO-00089	Derby Stock Yard
2.000	12PLT-S275JR	12PLT-S275JR	2500.000	1250.000					PO-00089	Derby Stock Yard
4.000	15PLT-S275JR	15PLT-S275JR	2500.000	1250.000					PO-00089	Derby Stock Yard

☒ Display individual instances

Quantity	Line Description	Item	Length	Width	Cast Reference	Tracking Number	CE Mark	Country Of Origin	Order	Location
1.000	10PLT-S275JR	10PLT-S275JR	2500.000	1250.000	A1B2C3	973-00008		UK	PO-00089	Derby Stock Yard
1.000	10PLT-S275JR	10PLT-S275JR	2500.000	1250.000	D4E5F6	973-00009		UK	PO-00089	Derby Stock Yard
1.000	12PLT-S275JR	12PLT-S275JR	2500.000	1250.000	G7H9J0	983-00097		UK	PO-00089	Derby Stock Yard
1.000	12PLT-S275JR	12PLT-S275JR	2500.000	1250.000	K01L02	983-00098		UK	PO-00089	Derby Stock Yard
1.000	15PLT-S275JR	15PLT-S275JR	2500.000	1250.000	M03N04	1003-00043		UK	PO-00089	Derby Stock Yard
1.000	15PLT-S275JR	15PLT-S275JR	2500.000	1250.000	M03N04	1003-00044		UK	PO-00089	Derby Stock Yard
1.000	15PLT-S275JR	15PLT-S275JR	2500.000	1250.000	M03N04	1003-00045		UK	PO-00089	Derby Stock Yard
1.000	15PLT-S275JR	15PLT-S275JR	2500.000	1250.000	M03N04	1003-00046		UK	PO-00089	Derby Stock Yard

Minor Enhancements & Bug Fixes

- The Purchase Invoice and Order Reconciliation report now displays "Received" and "Uninvoiced Received" columns. 12036
- Unticking the Purchasing & Supplier Option "Auto Purchase Order Receipt Numbering" will now enable Users to manually enter Purchase Order Receipt Names. Previously it would be necessary to have the "Auto Purchase Order Numbering" unticked too. 13142

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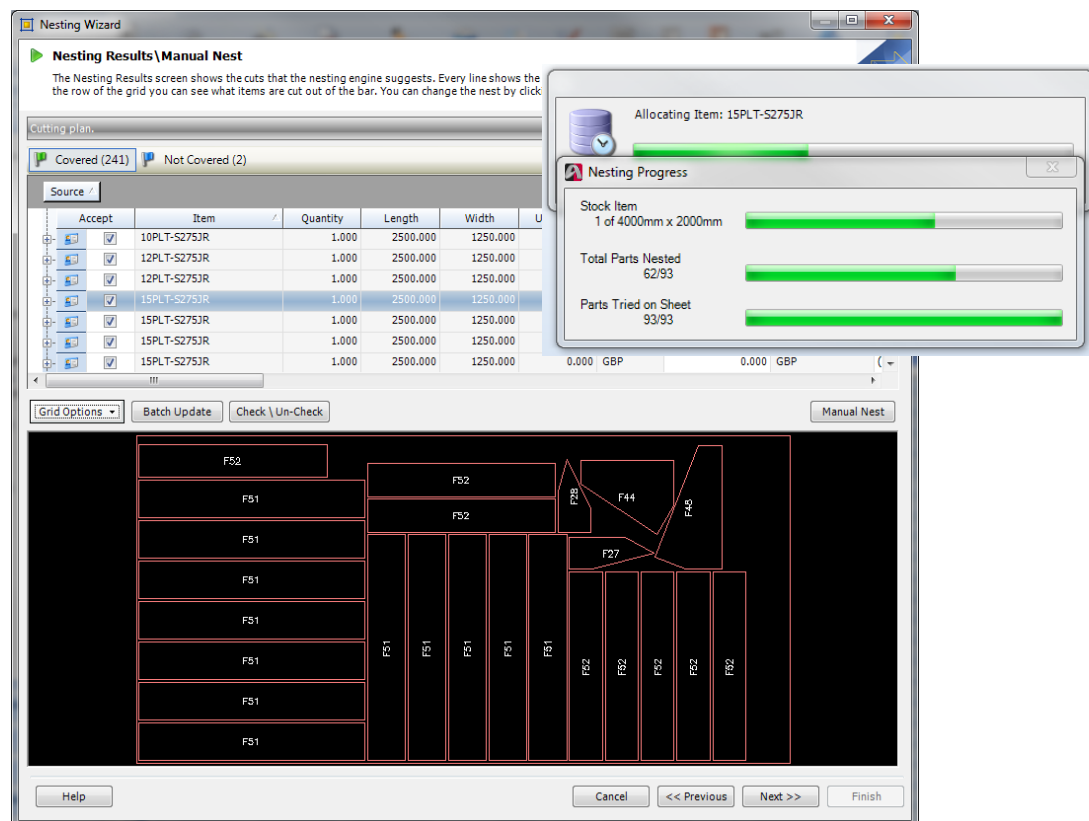
Production

New Features

StruM.I.S Plate Nesting

StruM.I.S now has its own “true-shape” plate nesting engine, allowing Users to accurately optimise their plate requirements on a job against available Inventory and Supplier sheet sizes.

Please note at this time this is primarily a procurement tool and will not produce post-processed data for the relevant machines.



Fabricated Sections Management

As a further feature of the “NC / CAM Splitting Tool” (under Contracts Management: Major New Features); as the split components are progressed through Production Control, the resultant built-up profiles are created in Inventory for effective management of these Items.

Users can select whether this process is manual or semi / fully automated.

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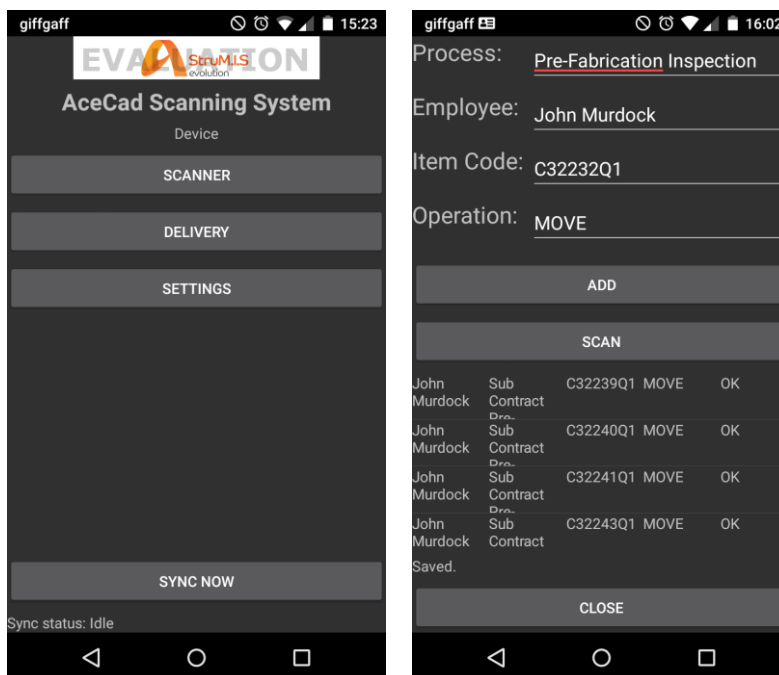
Name	Quantity	Cast Reference	Tracking Number	CE Mark	Country Of Origin	Unit Price	Unit	Value	Cost Code	Location	Yard Reference
914X305X224UB-S2753R	1.000	P05Q06, T09U10	2263-00014		UK	800.000 (T) Tonnes		1731.541	10.08	Derby Stock Yard	
914X305X224UB-S2753R	1.000	P05Q06, T09U10	2263-00015		UK	800.000 (T) Tonnes		2137.792	10.08	Derby Stock Yard	

New Production Barcode Tool

StruM.I.S v9.0.22 sees the release of a new Production barcode tool, available across Windows Mobile, Android and iOS platforms.

The new application provides a fusion of the existing “Batch” and “RF” barcoding tools; with the ability to sync scan data wirelessly without the need to physically plug the scanners in and capture employee timesheet data. Functionality to add Assembly Marks to Delivery Notes is also included.

In addition to the above, several architectural changes have been made to expose the barcoding functionality as web services. This will enable Clients to develop their own barcoding applications shop they wish to.



Integration with ShopData PeddiNest Plate Nesting Software

ShopData's PeddiNest is the latest 3rd party plates nesting software to integrate with StruM.I.S, giving Users the power to combine the two programs.

StruM.I.S supports integration with **PeddiNest vX.X**

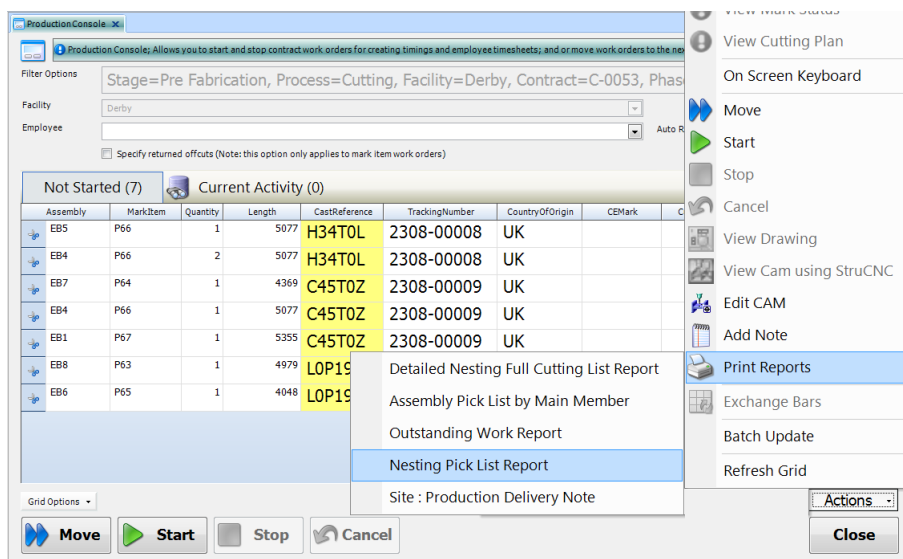
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Reports in Production Console

Production Console Users are now able to run up to 5 different reports from the shop floor, without the need to log into a full StruM.I.S license.

The 5 reports are customisable, and can be defined within Production Options.



SigmaNest Plate Nesting Enhancements

StruM.I.S v9.0.22 will now work correctly with SigmaNest v10.

Users can also specify the "Stamp Text Height" within Production Options to control the size of text added to parts within SigmaNest.

Finally, the Results screen on the Nesting & Ordering Wizard will now display the Workspace name from within SigmaNest.

Improved Traceability within Production Control & Console

Users are now able to add the Cast / Heat Number, CE Mark, Country of Origin and Tracking Number fields to the Production Control and Production Console grids for enhanced material traceability.

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Production Console: Allows you to start and stop contract work orders for creating timings and employee timesheets; and or move work orders to the next process.

Filter Options: Stage=Pre Fabrication, Process=Cutting, Facility=Derby, Contract=C-0053, Phase/Zone=<All>

Facility: Derby

Employee: [Empty]

Auto Refresh (Mins): 5

☐ Specify returned offcuts (Note: this option only applies to mark item work orders)

Assembly	MarkItem	Quantity	Length	CastReference	TrackingNumber	CountryOfOrigin	CEMark	Cutting Plan	Sequence	Lot
EB5	P66	1	5077	H34T0L	2308-00008	UK		1471	Phase 1	Lot 2
EB4	P66	2	5077	H34T0L	2308-00008	UK		1471	Phase 1	Lot 2
EB7	P64	1	4369	C45T0Z	2308-00009	UK		1472	Phase 1	Lot 2
EB4	P66	1	5077	C45T0Z	2308-00009	UK		1472	Phase 1	Lot 2
EB1	P67	1	5355	C45T0Z	2308-00009	UK		1472	Phase 1	Lot 2
EB8	P63	1	4979	L0P19F	2308-00007	Spain		1473	Phase 1	Lot 2
EB6	P65	1	4048	L0P19F	2308-00007	Spain		1473	Phase 1	Lot 2

Grid Options: [Dropdown]

Actions: [Move] [Start] [Stop] [Cancel] [Close]

Edit Delivery Note Address

When creating or editing a Delivery Note, Users now have the ability to edit the address and contact details that will appear on the Delivery Note report.

Production Delivery Notes Search

Production Delivery Note : [SIT-000000010]

Details | Work Orders | Notes | Custom Fields | Information

The Production Delivery Note Details form allows you to create/edit a production delivery note

Production Delivery Note ID: 12

Name: SIT-000000010

Description: C-0054 - Lot 1 to Site

Status: Open

From Location Facility: Derby

Destination Location Type: Erection Site

Destination Location Facility: [Empty]

Destination Location: C-0054

Destination Sub Location: C-0054 - North Entrance

Employee: Adam Henshall

Delivery Date: 30/07/2015

Return Date: [Empty]

Trailer: ACE 01

Shipping Agent: [Empty]

Timbers: 0

Address Name: C-0054 - North Entrance

Address: Radbourne Gate (North)
Station Road
Mickleover
Derby

ZIP / Postal Code: DE3 8RW

Country: UK

First Name: [Empty]

Surname: [Empty]

Job Title: [Empty]

Telephone: [Empty]

Cell / Mobile: [Empty]

Fax: [Empty]

Email: [Empty]

Contract Off-Site Locations

See "Contract Off-Site Locations" (under Contracts Management: New Features).

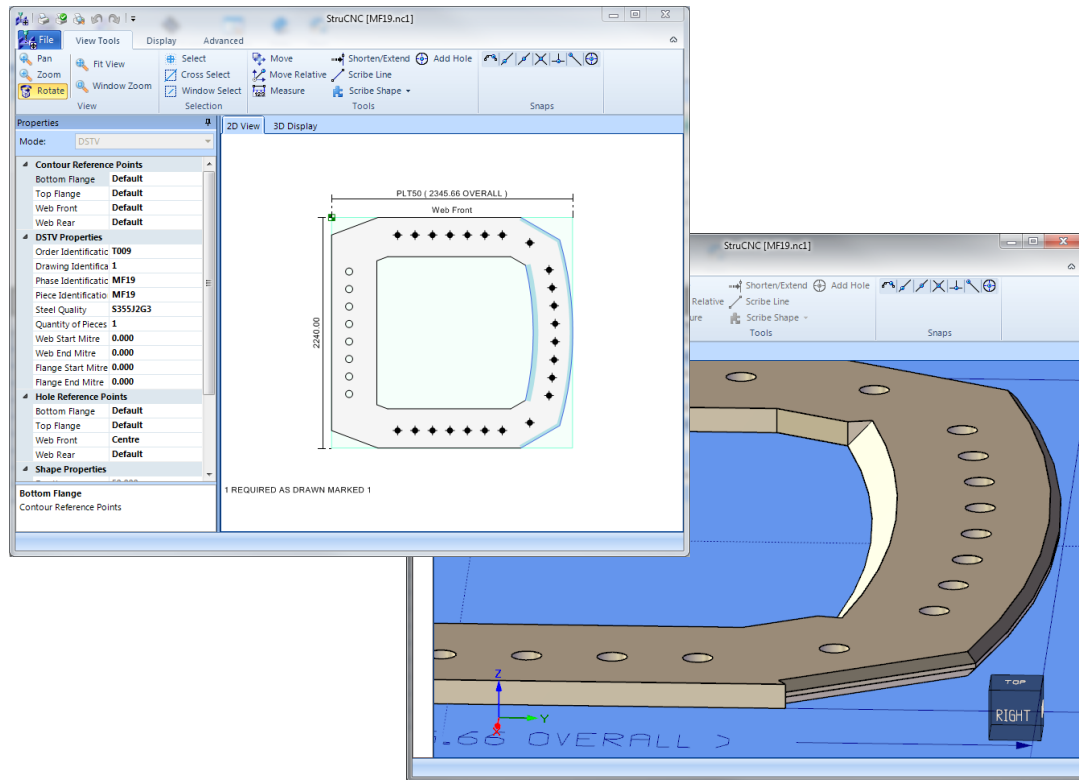
Improvements to StruCNC

Several improvements have been made to StruCNC, StruM.I.S' embedded NC viewer and editor.

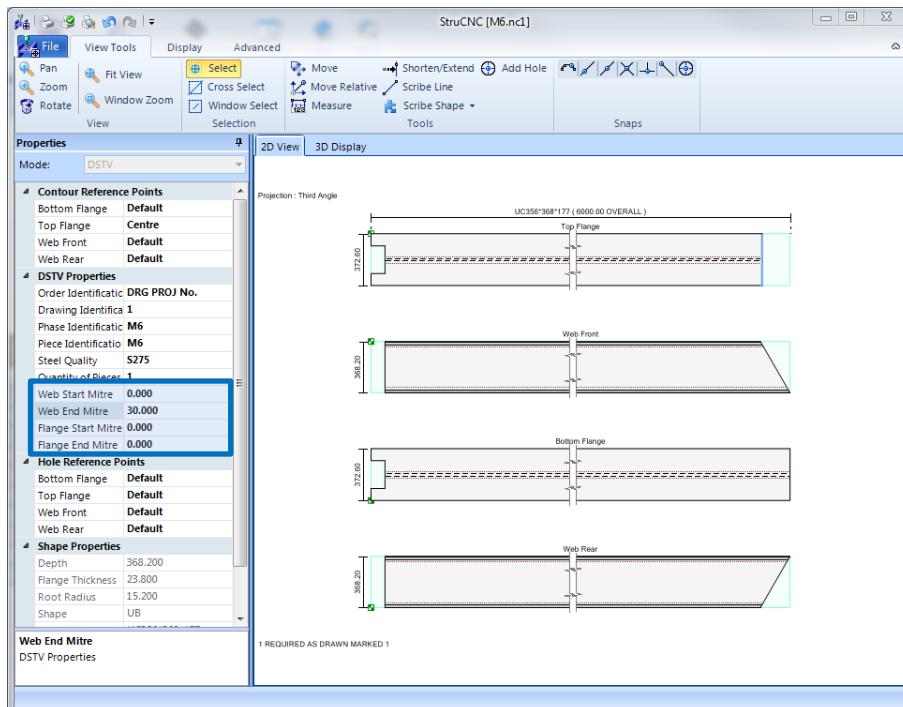
3D Visualisation – vastly improved 3D representation of NC files.

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Weld Prep / Bevelled Edges – now correctly displayed in both 2D and 3D views.



Edit Cuts from Properties Table – mitre / bevel end cuts can now be edited from the Properties Table.



Original Length Visualisation – now includes full bar length required before cuts are made.

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DSTV Files – interpretation of DSTV files has been improved.

Minor Enhancements & Bug Fixes

- The nominated Process for each Employee is now available to add to the Employee search grid.
- The Purchase Order Description has been added to the Purchase Order drop down list on the Nesting & Ordering Wizard. 12198
- IDSTV+ post processor now supports single parts (as opposed to only nested parts). 12134
- IDSTV+ post processor no longer requires Model Type to be specified on model import. 12135
- Mark and Mark Item custom fields are now available to add to the Item Barcode Labels report. 12670
- When un-nesting in Production Nesting & Ordering, if the bar / sheet had previously had a Preliminary nesting allocation, it will revert back to this. Previously, all allocations were removed. 12883
- Having nested to Inventory with a Contract and Phase allocation; if this is subsequently un-nested then the Contract and Phase allocation remain. Previously, the Phase allocation was removed, leaving the bar / sheet with a Contract allocation only. 6925
- Stamp settings applied on the Workstation now work with the FENICE+ post processor. 13121
- The Purchase Order field on the Cutting Plan Viewer will now show for Inventory bars / sheets. Previously, this field only displayed for bars / sheets ordered during the nesting process. 11868
- Rounding logic now applies when importing subsequent Preliminary Material Lists. 12959
- Nesting is now correctly handling the quantities of Non Steel Items when nesting partially to Inventory and partially to Suppliers. 11238
- Error no longer occurs when a Mark Item has a custom Cut Type and User attempts to Generate Contract Work Orders (ie. Issue to Production). 11768
- StruM.I.S no longer crashes when User attempts to add a Mark or Mark Item to a Production Delivery Note from the Complete process. 11828
- Issue with incorrect allocations no longer occurs when nesting the same Item to a combination of regular and welded bars. 12006
- The Unallocated Cutting List Report now correctly groups by Contract and then Section Type. 12233
- When nesting a Non Steel Item with a Minimum Order Quantity, the shortfall requirement will no longer be allocated to the same cutting plan. Instead a new line will be added to the Purchase Order without an allocation. 12297
- The Material Traceability report now displays all page of the associated Test Certificates when the option to "Include Test Certificates" is selected. Previously it only displayed the first page of each document. 12532
- Offcuts will no longer be incorrect when Mark Items on a Saved Nest are subsequently covered under a different nest. 12808

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Document Management

New Features

Certificate Number added to Mill Test Certificates

Users are now able to enter a Certificate Number against each Cast / Heat Number when associating them to a Test Certificate document.

This is primarily intended for multi-page documents, which may contain several individual certificates. This reference will display in Inventory to make it easier to locate the relevant page in the document.

The screenshot displays the 'Document Cast Reference' dialog box, which is used to update the cast reference associated with a document. The dialog box has two main sections: 'Unallocated Cast Reference' and 'Allocated Cast Reference'. The 'Unallocated Cast Reference' section shows a list of suppliers and their corresponding heat numbers and receipts. The 'Allocated Cast Reference' section shows a list of suppliers and their corresponding heat numbers and certificate numbers. A 'Batch Update' button is located at the bottom right of the dialog box.

The 'Inventory Search' window is also visible, showing a table of inventory items. The table has columns for Quantity, Name, Length, Width, Weight (T), Heat #, Test Certificate, Certificate Number, Allocation, Is Remnant, and Purchase Ord. The table contains several rows of data, including items from suppliers like Alro Steel Corporation, Atlas Tube, California Steel and Tube, H erty, Generic Nesting Supplier, Gerdau Ameristeel, Metals USA, Nucor Fastener, and Nucor-Yamato Steel Co.

Minor Enhancements & Bug Fixes

- RFI custom fields are now available to add to the RFI search grid. 13211

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System

New Features

Attachment Storage outside Database

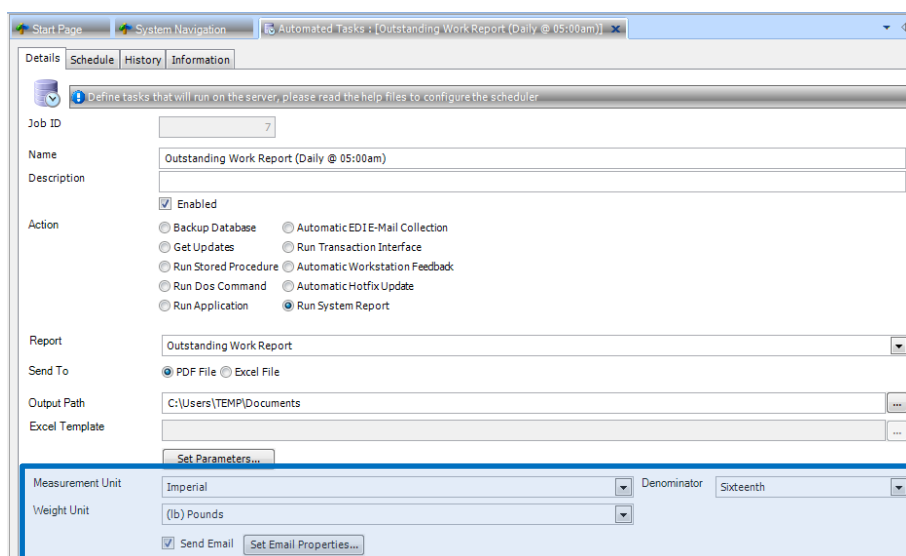
Users now have the option to store attachments outside of the StruM.I.S database. Instead, attachments are stored within an organised file structure – determined within System Options.

This is particularly useful for Clients using SQL Server 2008R2 Express, as this has a maximum database size of 10GB.

Improved Automated Task Reporting

When running a Report as an Automated Task, Users can now define the Measurement Unit (ie. Metric or Imperial), Denominator (Imperial only) and Weight Unit (ie. KGs, Tonnes, LBs or Tons).

It is also now possible to distribute the report via email to select recipients.



UNC File Path Storage

All network locations specified within StruM.I.S are now stored as full UNC paths (Uniform Naming Convention). This resolves the issue of when certain Users having mapped network drives that other Users do not.

Minor Enhancements & Bug Fixes

- New System User Access report. 12262

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BIMReview

New Features

Improved Graphics Engines

Users now have the option to toggle between two graphics engines to suit their requirements;

Open GL – offers better backwards compatibility for older hardware (i.e. graphics cards).

Direct X – offers better performance, especially in a virtual environment such as Remote Desktop.

Improved Tekla Plug-in Functionality

A variety of new features have been added to the BIMReview plug-in for Tekla (versions 18 to 21).

Colour By Attribute – allows Tekla Users to colour code the model based upon live data within the associated StruM.I.S Contract.

Quick Enquire – allows Tekla Users to create a custom enquiry on the associated StruM.I.S data, **for example...** . These enquiries can be saved to be reutilised time and time again.

Profile Naming – gives Tekla Users greater control over the naming of certain profiles, namely plates and flats. This can make importing a model into StruM.I.S much easier with all plates and flats consistently named.

As an example, Users can remove the Width of a Piece Mark from the profile name, so what would previously listed as PLT10*245, PLT10*250, PLT10*255 – would all be listed as PLT10.



Please see **BIMReview v8 What's New** for further information.

Autodesk Revit 2015 Plug-in Support

Users of Autodesk Revit 2015 can export a BIMReview model (BSWX) by installing the BIMReview plug-in.

Models exported can then be imported into StruM.I.S.



SMLX Support for Autodesk Advance Steel

BIMReview now supports opening and converting of Autodesk's SMLX model file format from Advance Steel.

Models exported can then be imported into StruM.I.S via the updated Advance Steel cad interface.

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AUTODESK® ADVANCE STEEL

I.DGN Support for Bentley ProStructures / ProSteel

BIMReview now supports opening and converting of Bentley's I.DGN model file format from ProStructures and ProSteel.

Models exported can then be imported into StruM.I.S via the new Bentley I Model cad interface.



Minor Enhancements & Bug Fixes