



Houses have been built with wood for hundreds of years. Old growth trees make a good building material. However, a dwindling supply of old growth trees and environmental concerns have caused the quality to diminish. Today, it is clear that there is a need for a new building material. Despite the myths that still surround the use of light gauge steel framing, it has come to the forefront as the best and most feasible alternative building material for residential and light commercial construction.

### Steel is a Superior Construction Material

- ◆ Highest strength-to-weight ratio of any building material
- ◆ 100% recyclable
- ◆ Non-combustible - does not burn and will not contribute fuel to the spread of a fire
- ◆ Inorganic - will not rot, warp, split, crack or creep
- ◆ Dimensionally stable - does not expand or contract with moisture content
- ◆ Consistent material quality - produced in strict accordance with national standards, no regional variations

### Benefits to the Consumer

- ◆ High strength results in safer structures, less maintenance and slower aging of structure
- ◆ Fire safety
- ◆ Not vulnerable to termites
- ◆ No additional preservative chemicals are required over & above the galvanising process to treat steel, unlike the treatment of timber
- ◆ Not vulnerable to any type of fungi or organism
- ◆ Less probability of foundation problems - 5 times lighter than wood which results in less movement
- ◆ Less probability of damage in an earthquake - lighter structure with stronger connections results in less seismic force
- ◆ Less probability of damage in high winds - stronger connections, rivetted and screwed versus nailed

### Benefits to the Builder

- ◆ Lighter than other framing materials - no lifting equipment required on site. One person can easily carry a 5-metre fabricated panel
- ◆ Easy material selection - no need to cull or sort
- ◆ Straight walls and Square corners
- ◆ Calls backs due to cracks are eliminated
- ◆ Windows and doors open and close as they should
- ◆ Less scrap and waste (2% for steel vs. 20% for timber)
- ◆ Environmental selling and green positioning



#### Termite Damage

Termites are known to destroy the wall and roofing timbers of a home within 3 months of construction.

As an example, termites cause more damage to homes in Australia than fire, floods and storms, combined.

Severe termite damage to a building is not uncommon. To compound the problem, your Home or Building Insurance Policy may NOT cover the repair costs of any timber damage caused by termites.

#### Toxic Mould

Moulds in Your Home can cause health problems and structural damage. The most common toxic mould is *Stachybotrys chartarum*, a slimy greenish-black mould that grows on moisture-laden materials. It does not grow on steel, nor does steel promote the growth of mould.

Mould can cause severe lung problems in infants and the elderly.

Steel does not contain moisture like wood. Even kiln dried wood still has a residual water content.

#### Fire Resistance

Steel Framing is non-combustible and will not fuel a fire.

Steel will not ignite & withstands higher temperatures.



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# SOFTWARE PRODUCTS

## DESIGN SOFTWARE

Scottsdale the leading supplier of software & hardware solutions to the building industry, introduces the most advanced, complete solution for design and fabrication of light gauge steel framing for residential and light commercial construction. The ScotSteel design software is powerful, intuitive, easy-to-use software which reduces the traditional multi-step fabrication process down to one integrated solution.

# SCOTSTEEL

## DESIGN TO PRODUCTION IN NO TIME!

ScotSteel - the heart of the Scottsdale system, state-of-the-art, industry leading design software used to interpret the architectural designs into panel & truss designs. Powerful and flexible, ScotSteel is capable of designing virtually any element (walls, roof, truss, ceilings floors and even items such as gable panels, overhang outlookers, soffit panels and more) into panel assemblies ready to run on the rollformer.

A true 3D design tool, ScotSteel allows you to easily see what's being designed. Developed with the designer in mind, default settings handle most job specific variables. Each element is defined by a set of properties which allows the user to quickly and accurately develop a model - built the way you want it! Intuitive and easy to learn, you will love how items are linked together so one adjustment means everything else still fits. Complicated design tasks are handled quickly and accurately without all the complicated input.

Feature rich and very fast, ScotSteel has the tools you need to spend more time adding up sales and less time adding up design hours.

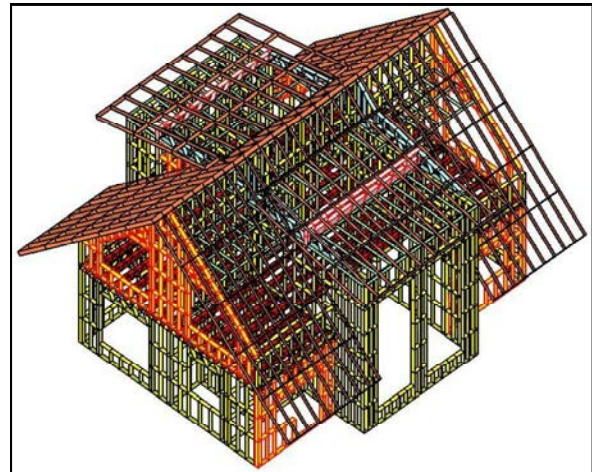
Powerful ScotLayout software is now incorporated in ScotSteel for fast simple extensive plan layout design.

ScotSteel exports productions files to ScotPanel rollformer software simply, seamlessly and accurately.

ScotSteel exports production files to ScotRF—Panel or ScotRF-Truss rollformer software simply, seamlessly and accurately. ScotSteel designs and panel production accuracy is determined at the design stage so consistent volume production does not require high skill levels on the factory floor, as there is no welding, measuring, cutting, or specialised tool skills required, just assembly with riveting guns and self drilling fasteners.

ScotSteel allows the user to design complex multi-level or split-level buildings, followed by automatic frame generation.

All design work can be done in ScotSteel without the need to import 3D DXF files from architecture or CAD software - but ScotSteel can import a DXF floor plan from programs like Chief Architect, ArchiCAD or AutoCAD to enable quick wall generation from an architect's electronic plans.



A completed design

### Some features of ScotSteel:

- ◆ All design work in one software package, no need for Architecture software, leading to faster design capability
- ◆ Steel quantities for all elements known prior to production
- ◆ Powerful Auto Roof & Truss Tool
- ◆ Database library of opening sizes (for doors and windows)
- ◆ Plate generation for Lintels, X-bracing, vertical and horizontal bracing
- ◆ Powerful new Print-out options
- ◆ DXF import and 3D DXF export
- ◆ Export steel usage data into Excel (.csv format)
- ◆ Improved graphics
- ◆ Powerful editing tools
- ◆ Auto design tools - floor and ceiling joists and truss layout
- ◆ Stud to truss alignment tool and truss layouts
- ◆ Frame and element overlap checking tools
- ◆ Powerful new 3D editing tools
- ◆ View structure in 3D steel or 3D panels, or a combination of both
- ◆ Intuitive – easy to learn
- ◆ Default driven
- ◆ Graphical data entry
- ◆ 2D and 3D views
- ◆ Full 3D viewing from any angle
- ◆ Design any frame (roof, ceiling, wall, floor, soffit, overhangs, and many more)
- ◆ Full integrated truss design
- ◆ Designer Productivity Tools
- ◆ Variable snap to settings
- ◆ Tool tips on all icons
- ◆ Hide/View feature
- ◆ Lock frame position
- ◆ Dynamic zooming
- ◆ Status bar prompts





## TRUSS DESIGN & ENGINEERING

In addition to Scottsdale's unique panel ceiling & roof panel design and build solution which is especially suited to hip and very complex roofs, ScotSteel also allows for the design of conventional trusses.

A unique feature of ScotSteel is the design is done in 3D and all truss elements can be viewed in 3D. All truss design is done in ScotSteel, so errors are eliminated.

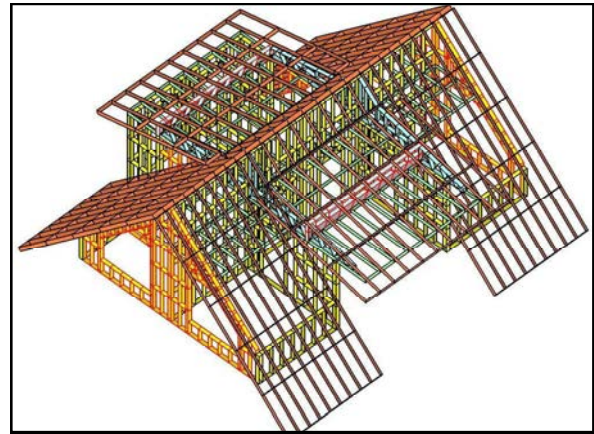
A powerful truss engineering package analyses the trusses and depending on the results the trusses are shown in different colours within ScotSteel.

All load nodes are shown as well.

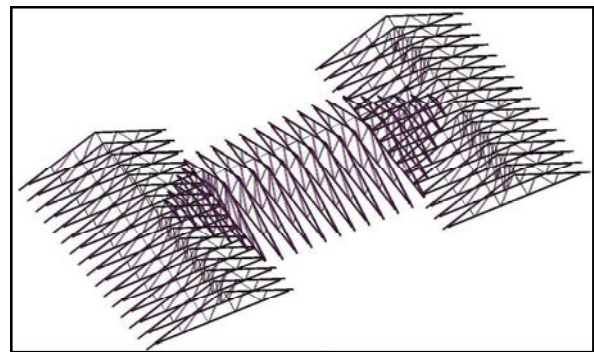
ScotSteel simplifies truss design.

### Partial listing of ScotSteel features:

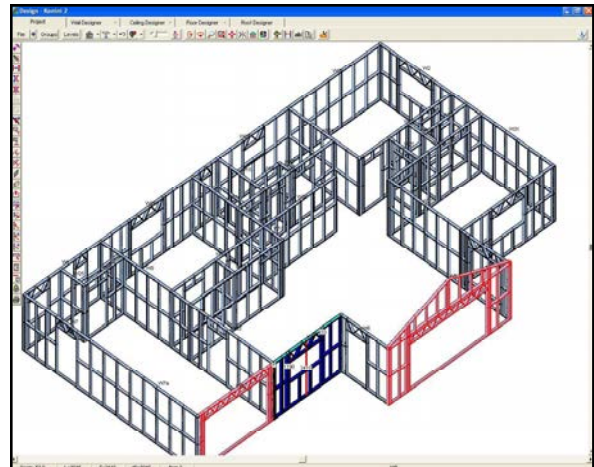
- ◆ Frame grouping view by frame group
- ◆ Multi-level (up to 5 unique levels), with Level filter
- ◆ Frame type filter
- ◆ Structural Design features
- ◆ Automatic structure control
- ◆ Automatic inline framing
- ◆ Cladding thickness adjustment
- ◆ Gable any wall
- ◆ Auto solve roof/ceiling planes
- ◆ Dynamic frame positioning
- ◆ Fully framed openings automatically
- ◆ User defined nog/blocking positioning
- ◆ Build Option features
- ◆ Electrical service hole positioning
- ◆ Plumbing hole positioning
- ◆ User designated frame installation tolerance
- ◆ One click door/window placement
- ◆ User defined door and window libraries
- ◆ Reposition doors/windows dynamically
- ◆ Printing & Import/Export features
- ◆ Group printing
- ◆ Print any view
- ◆ Steel usage report by frame group
- ◆ Modify text size & colour
- ◆ Design Quality Check Tools
- ◆ Plan check for wall overlap/unjoined walls & panels
- ◆ Frame search tool
- ◆ Steel collision check tool
- ◆ Colour keyed material orientation indicators
- ◆ Dimensioning
- ◆ Dimension snap to either frames edge or centre line
- ◆ Reposition doors/windows with dynamic dimension editing
- ◆ Metric or Imperial input/output & dimensioning
- ◆ Dynamic dimensioning
- ◆ Import/Export
- ◆ Import & Export industry standard .dxf files
- ◆ Bitmap export ..... And more



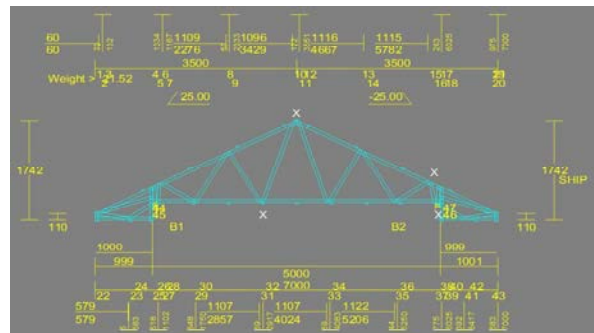
Panel Ceiling & Roof Design



ScotSteel Truss Roof Design



Wall Panels Only



Truss Engineering Software

# ScotRF - Panel Rollformer Software

Scottsdale the leading supplier of software & hardware solutions to the building industry, introduces the most advanced, complete solution for design and fabrication of light gauge steel framing for residential and light commercial construction. ScotRF - Panel software is powerful, intuitive, easy-to-use software which reduces the traditional multi-step fabrication process down to one integrated solution.

## SCOTRF-PANEL

### COMPLETE MACHINE CONTROL

ScotPanel production software is the bridge between Scot-Steel and the Series 500 & 700 rollformers.

Completely intuitive, ScotPanel will have you producing light gauge steel panels in minutes.

ScotPanel directly interprets the design data produced by ScotSteel and converts them into precise machine instructions for the rollformer.

While it may be simple in design, it isn't lacking any power or flexibility. Every aspect of machine control is configurable using default settings. Even the most complex frame geometry will be converted instantly and accurately.

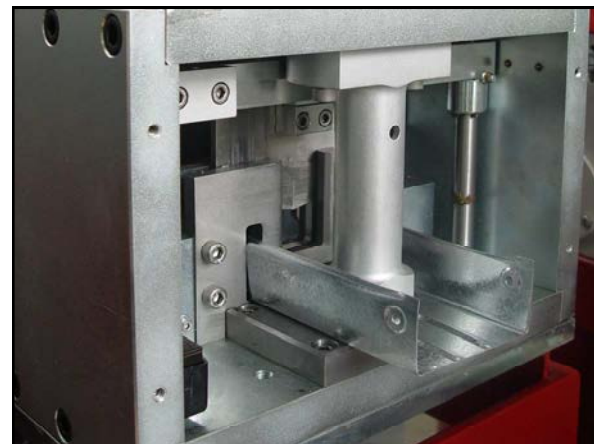
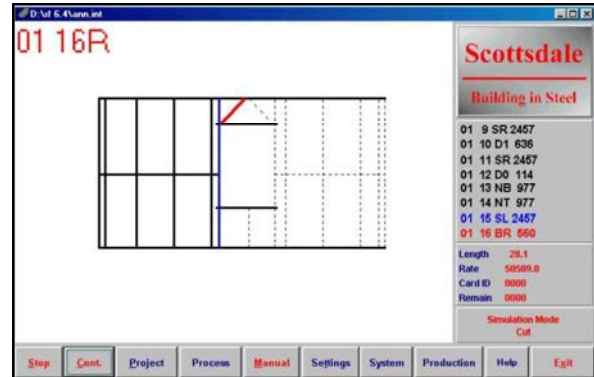
More than just a simple operator interface, the on-screen graphics provide a clear image of the panel currently being produced, Intelligent colour coded graphics indicate the order each piece has been run insuring non stop assembly. Real time diagnostics constantly monitor machine function to instantly provide feedback for anything out of normal.

If desired, full frame editing tools embedded in ScotPanel allow an operator to make emergency changes or even create a panel without returning to the design department.

**Unlock the potential of real time production and assembly where you have complete control. Imagine what virtually no work-in-progress inventory would do to your bottom line!**

### Advanced features

- ◆ Real time Ink-jet printing (with printer option)
- ◆ Hydraulic operation counters
- ◆ User defined frame order production
- ◆ "Speed control" of production
- ◆ User defined door and window libraries
- ◆ Reposition doors/windows dynamically



- ScotPanel Software Features:**
- ◆ Selected frame run order or design run order
  - ◆ Quantity multiplier
  - ◆ Pause control
  - ◆ Manual function controls
  - ◆ Full function frame editor
  - ◆ Item wizard
  - ◆ Simulation mode
  - ◆ Pause between panel toggle
  - ◆ Coil tracking / job production monitoring
  - ◆ Metric/Imperial mode
  - ◆ User defined scaled display
  - ◆ Default service punch locations (or designer defined)
  - ◆ Fully adjustable tool settings
  - ◆ Fully adjustable steel settings
  - ◆ Complete tool counters
  - ◆ Simple calibration function
  - ◆ Real time diagnostic status
  - ◆ Onscreen material display
  - ◆ Material sequence colour indicators

Due to constant product development specifications are subject to change without prior notice





# ScotRF - Truss Rollformer Software

Scottsdale the leading supplier of software & hardware solutions to the building industry, introduces the most advanced, complete solution for design and fabrication of light gauge, high quality and cost effective steel trusses for the residential and short span commercial marketplace.

## SCOTRF-TRUSS

### COMPLETE MACHINE CONTROL

ScotTruss is the software bridge between the Design/Engineering software and the Series 600 rollformer. Completely intuitive, ScotTruss RF software will have you producing light gauge steel trusses in minutes. This software directly interprets the geometry data produced by the Design/Engineering software and converts it into machine commands for the rollformer.

While it may be simple in design, it isn't lacking the power or flexibility. Every aspect of machine control is configurable using default settings. Even the most complex truss geometry will be converted instantly and accurately.

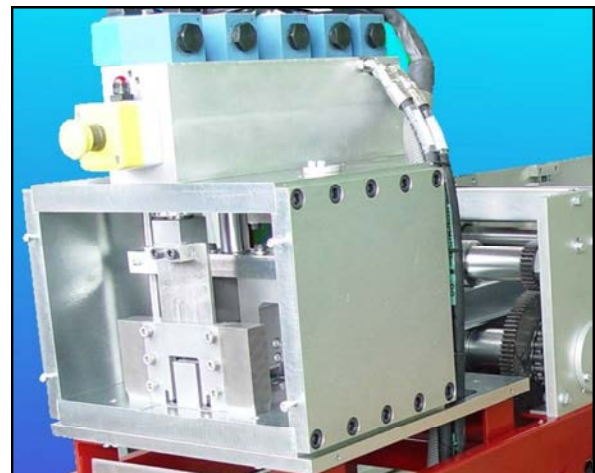
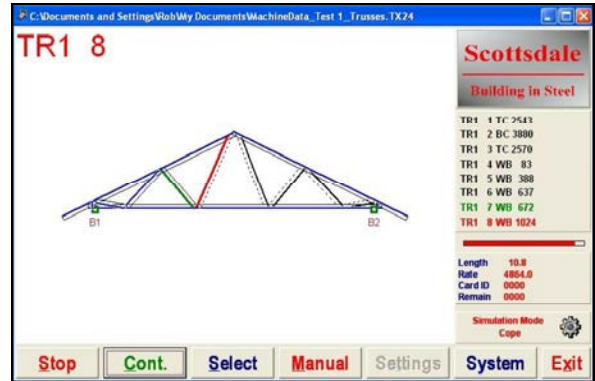
More than a simple operator interface, the on-screen graphics provide a clear image of the truss currently being produced. Intelligent colour coded graphics indicate the order each piece has been run insuring non-stop assembly. Real time diagnostics constantly monitor machine function to instantly provide feedback for any anomaly.

If necessary, full truss editing tools embedded in the ScotTruss software allow the operator to make emergency changes to a truss without returning to the design department. Advanced features such as real time ink-jet printing (optional), hydraulic operation counters, user defined truss order and even "speed control" puts this software in a league all by itself.

**Unlock the potential of real time production and assembly where you have complete control. Imagine what virtually no work-in-progress inventory would do to your bottom line!**

### Advanced features

- ◆ Real time Ink-jet printing (with printer option)
- ◆ Hydraulic operation counters
- ◆ User defined truss order production
- ◆ "Speed control" of production



### ScotTruss Software Features:

- ◆ Selected truss run order (batching)
- ◆ Quantity multiplier
- ◆ Pause control
- ◆ Manual function controls
- ◆ Full function truss editor
- ◆ Item wizard
- ◆ Simulation mode
- ◆ User defined printing options
- ◆ Coil tracking / job production monitoring/control & monitoring
- ◆ Metric/Imperial mode
- ◆ Pause control
- ◆ Fully adjustable tool settings
- ◆ Fully adjustable steel settings
- ◆ Complete tool counters
- ◆ Simple calibration function
- ◆ Real time diagnostic status
- ◆ Onscreen material display
- ◆ Material sequence colour indicators

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# Revit Integration using MWF

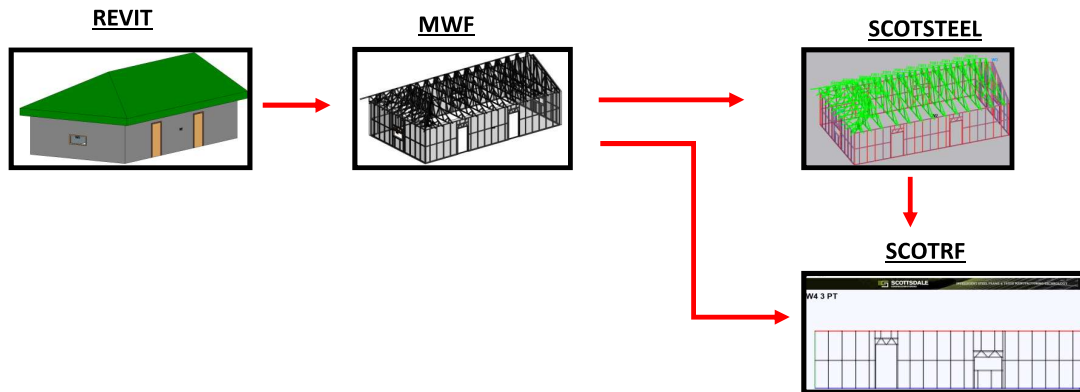
## Background

A number of Scottsdale clients were already using Revit as a building and modelling design package before they purchased the Scottsdale software package. A requirement for these Revit users was to allow the framing component to be created within Revit eliminating the requirement for this to be redrawn in ScotSteel. Scottsdale are pleased to announce, the development of solution with Structsoft and their suite of MWF plugins that allows ScotSteel and MWF to integrate with Revit

**MWF (Metal Wood Framer)** is a suite of software modules developed by StructSoft Solutions. It is a template based rule driven extension to Revit for framing. This package can be used for steel to add the required details to frames. MWF has now been updated to include the ScotSteel C Section profiles (63mm, 70mm, 90mm and 140mm) and our top hat profiles (2" and 3"). This allows a user to detail a frame using the Scottsdale profile within MWF.

## How does it work.

The model is created in Revit, then framed using the MWF pro metal's automated tools. Once the framing has been completed, wall, floor, and truss information is exported directly into a format readable by Scottsdale's Design software as well as Scottsdale production software using the Scottsdale CNC feature.



## Software Licence, Support and Training

The functionality to import frames from MWF has been included in the latest release version of ScotSteel. Version 775 onwards. All current ScotsSteel users will have access to this version of software at no additional cost.

The MWF software is purchased through StructSoft. StructSoft will also provide MWF training and ongoing software support. The fee will be charged at the time of purchase.

### Pricing (guide only with actuals to be confirmed with Structsoft)

MWF Pro Metal—Automated Revit wall, floor, ceiling and truss framing software for light gauge steel modeling.

Standalone - SLM (stationary license) \$3,995.00

Network - NLM (floating license - 1 user at a time) \$4,995.00

Desktop Subscription - SLM (12 Month license, subscription incl.) \$2,225.00

Desktop Subscription - NLM (12 Month license, subscription incl.) \$2,560.00

Subscription (1 year of technical support and upgrades - required at purchase) \$895.00

\* Prices are in USD however European, UK and Australian/New Zealand price lists vary slightly.

\* Revit prices are regional however in the US, typically run about \$2500/Year.

**Please contact Brandon Ionata [b.ionata@strucsoftsolutions.com](mailto:b.ionata@strucsoftsolutions.com) for pricing, licensing and training details.**

**Scottsdale Contact** For all Scottsdale related enquiries please contact [grant.murfin@scottsdalesteelframes.com](mailto:grant.murfin@scottsdalesteelframes.com)



Using the most up-to-date technology available, the Series 700 rollformers raises the bar to new heights for steel framing systems. Components are now cut to length automatically within accuracy tolerances previously unheard of. This means frames are easier and faster to fabricate. Each rollformer is supplied with a powered decoiler, Scottsdale's Scot-Panel CNC software and Scottsdale's latest ScotSteel CAD design software.



## Panel Rollformers

### Models

RF7-063	63mm wide C-section
RF7-070	70mm wide C-section
RF7-076	76mm wide C-section
RF7-090	90mm wide C-section
RF5-090	90mm wide C-Section
RF5-140	140mm wide C-section

### Standard Operations

Service Punch, 28mm  
 Swage Unit  
 Flattener  
 Rivet Punch  
 Notch Punch  
 Cut-off Punch

### Computer Communications

Serial RS232

### Power Supply

Standard	Single phase 220 - 240V
Optional	Single phase 110 - 120V
Frequency - standard	50Hz
Frequency - optional	60Hz

For full technical specifications and a comparison chart, please review the document titled:

*Systems Comparisons Chart*

The RF700 & RF500 series are intelligent CNC rollformers that produces all the framing components of a structure automatically. The computer controlled, servo driven machine precisely rolls out the steel profile through seven progressive stations.

Incorporating the latest state-of-the-art technology the accuracy of the extruded components is achievable down to .5mm, which allows all components to be easily assembled, by simple insertion of one element into or over another.

Once the steel exits the rollage and enters the toolhead, the full power and value of the rollformer is realised. Six separate hydraulic functions - cut to length, notch punch, swage, squash, rivet punch, and service hole punch work together to produce components completely ready for assembly. Technology refined to eliminate the need for any additional cutting, measuring or even layout.

An optional Plumbing Notch Tool is available for each model (the Plumbing tool is not fitted in the photo above).

The rollformer is controlled by a laptop computer, programmed with the easy-to-operate Scottsdale ScotRF - Panel software.

Built on a rugged frame - but lightweight enough to be portable, the rollformer is at home in a high volume fabrication plant or on a job site - you make the choice.



ScotTruss combines next-generation rollforming technology, sophisticated ScotSteel design software & TrusWal engineering software, and innovative assembly processes into one integrated solution. ScotTruss is the most advanced and complete light gauge steel truss system available today. Each rollformer is supplied with a powered decoiler, Scottsdale's ScotRF - Truss CNC software and the powerful TrusWal truss engineering software.



## Truss Rollformer

### ScotTruss

51mm high Patented Profile  
(see section properties)

### Standard Operations

Connection Hole punches

Cope Punch  
Notch Punch  
Cut-off Tool  
Bolt Hole Punches (2 sets)  
All stations geared & driven

### Computer Communications

Serial RS232

### Power Supply

Frequency - standard  
Frequency - optional

Three phase 380 - 400V  
50Hz  
60Hz

For full technical specifications and a comparison chart, please review the document titled:

**Systems Comparison Chart**

The Series 600 Rollformer is the heart of the ScotTruss. With state of the art ScotSteel design software & engineering software from TrusWal as the beginning point for this remarkable truss system, ScotTruss brings you just-in-time rollforming to revolutionise an industry.

There is no scrap, or wasted motion, the ScotTruss rollformer produces truss components directly from the coil to assembly. All functions necessary are performed within the ScotTruss rollformer.

The computer controlled servo driven machine precisely rolls the chord/web profile through 9 progressive stations. As the steel exits the roll cage and enters the toolhead, the full power and efficiency of the ScotTruss equipment is realised. Five specific functions are hydraulically performed within the toolhead and remove all but assembly from the equation.

Elements are cut exactly to length, coped, notched and bolt holes punched producing components that are assembled into a finished truss.

Utilising a patented profile that forms the truss chord and web as well as the holes for the bolted connection, ScotTruss equipment delivers an easy to operate, simple to adjust, low maintenance solution. Built on a rugged frame, this rollformer is at home in a high volume fabrication facility or on the job-site, the choice is yours.





## ScotTruss System Features

- ◆ Fully Automated Truss Production
- ◆ No inventory or random lengths
- ◆ No culling of materials
- ◆ No cutting
- ◆ No measuring
- ◆ No layout
- ◆ No jigs required
- ◆ Virtually no scrap
- ◆ Low, low production cost
- ◆ Full engineering support



## ScotSteel Design & TrusWal Engineering Software

Powerful software creates the truss and communicates directly with the rollformer software



## ScotTruss System Components

- ◆ Powerful engineering and layout software
- ◆ Integrated production software
- ◆ Low cost, portable rollformer
- ◆ Powered automatic decoiler
- ◆ On-site machine commissioning and operator training
- ◆ Operations and technical manuals
- ◆ Full engineering support
- ◆ High quality, high strength steel

## From Coil to Assembly

Just in time rollforming virtually eliminates waste, requires no cutting, coping, punching, or additional labour



## Integrated RF Software

ScotTruss software interprets All commands & drives the state-of-the-art rollformer providing all functions to create complicated truss components ready for assembly



## One Way Truss Assembly

No jigs or layout required as the truss can only go together one way, the RIGHT WA

## The Industry Exclusive Bolted Connection

The industry exclusive **BOLTED CONNECTION** dramatically increases productivity and eliminates fastener concerns due to vibration during delivery and installation



## The New Industry Standard

Your customers depend on you to provide the highest quality product on the market



With ScotTruss you deliver

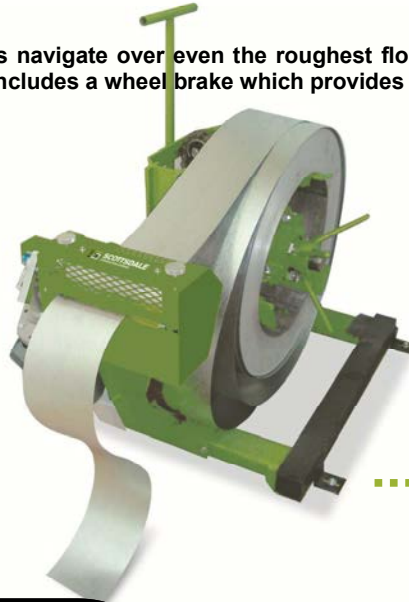


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No system would be complete without this decoiler with its unique automatic power feed - its designed to work in step to supply the steel to the rollformer at the required rate - to all rollformers in our range. The decoiler is a mobile, easy-to-load device designed to eliminate the need for a fork lift in order to load the steel coils onto the decoiler. Simply straddle the coil with the decoiler and the spool moves easily into the coil centre. Expand the centring spool, lift the coil off the floor with the self-contained hydraulic system and position the decoiler. Thread the steel into the rollformer and you're ready.

The large diameter rubber coated wheels navigate over even the roughest floors. The decoiler includes an adjustable brake which prevents overrun, and also includes a wheel brake which provides safety on uneven surfaces.



## Decoiler

### Compatibility (models)

- 4-series
- 5-series (all models)
- 6-series (truss)
- 7-series (all models)

### Steel Coil

Width	143 - 242 mm
Maximum diameter	1,200mm
Maximum weight	1,500kgs

### Power Supply

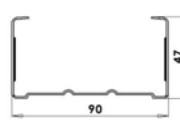
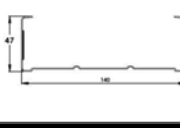
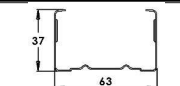
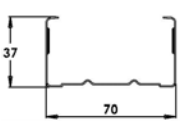
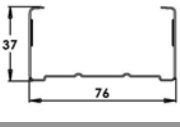
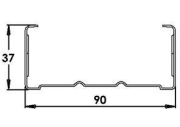
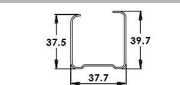
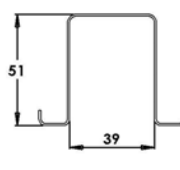
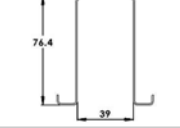
Standard	Single phase 220 - 240V
Optional	Single phase 110 - 120V
Frequency - standard	50Hz
Frequency - optional	60Hz

### Automated Power

**Feed** Yes

For full technical specifications and a comparison chart, please review the document titled:

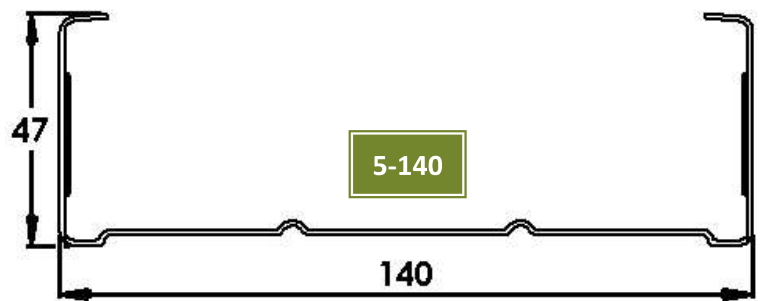
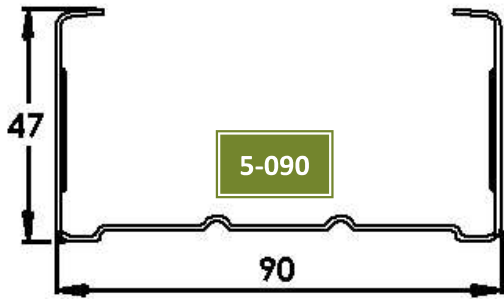
*Systems Comparisons Chart*

RF Model	Profile Width	BMT Thickness	Coil Width Mm	Kg/metre	Profile Shape	Tensile Strength
<b>5 - Series Panel Rollformers</b>						
5-090	90	.75	190	1.20		G350-G550
5-090	90	.95	190	1.53		G350-G550
5-090	90	1.15	190	1.85		G350
5-140	140	.75	244	1.54		G350-G550
5-140	140	.95	244	1.95		G350-G550
5-140	140	1.15	244	2.36		G350
<b>7-Series Panel Rollformers</b>						
7-063	63	.55	143	.66		G350-G550
7-063	63	.75	143	.91		G350-G550
7-070	70	.55	153	.70		G350-G550
7-070	70	.75	153	.95		G350-G550
7-070	70	.95	153	1.20		G350-G550
7-076	76	.55	156	.72		G350-G550
7-076	76	.75	156	.99		G350-G550
7-076	76	.95	156	1.25		G350-G550
7-090	90	.55	173	.80		G350-G550
7-090	90	.75	173	1.10		G350-G550
7-090	90	.95	173	1.39		G350-G550
7-090	90	1.15	173	1.68		G350
<b>Truss Rollformers</b>						
6-038	38 square	.095	114	.92		G350-G550
6-050		.55	173	.80		G550
6-050		.75	173	1.10		G550
6-050		.95	173	1.39		G350-G550
6-050		1.15	173	1.68		G350
6-075		.95	224	1.81		G350-G550
6-075		1.15	224	2.19		G350-G550
6-075		1.55	224	2.95		G300

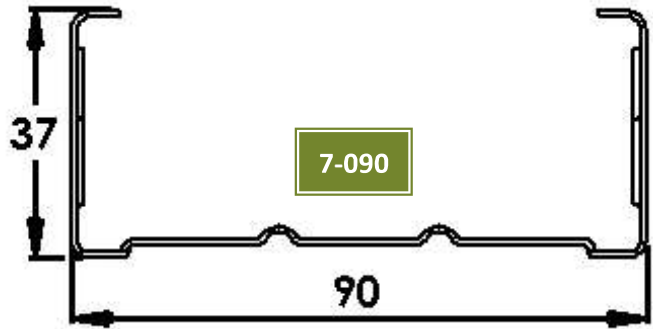
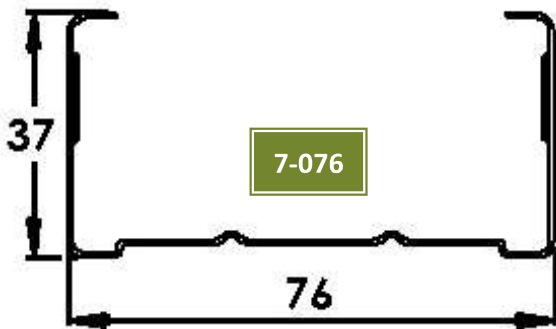
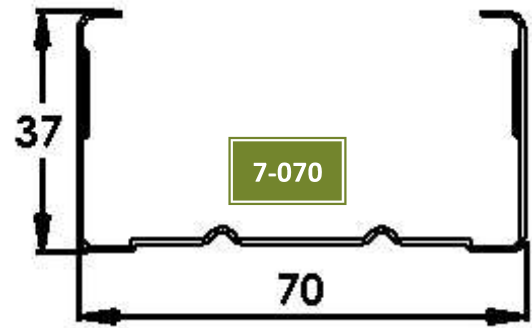
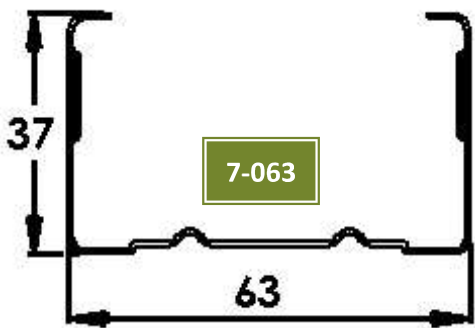
- Coil specifications table refers to Base Metal Thickness (BMT). (example: 1.15 BMT + Z275 coating (0.04mm) = approx. 1.20mm)
- Material = Zinalume, Galvalume or G-90/275 gms/m<sup>2</sup> galvanized steel
- Coil must be un-oiled (dry) type
- Decoiler coil weight recommended not to exceed 850kgs, unless larger decoiler stamped with 1,500kg
- High tensile steel: G550 for .55 - 0.95mm thick steel    Low tensile steel: G350 for 1.15mm thick steel [G250 can only be used for non-structural, non-load bearing and internal partitions]
- Steel Weight calculations: These may differ slightly depending on the supplier
- **Larger images of all profiles on the next page**



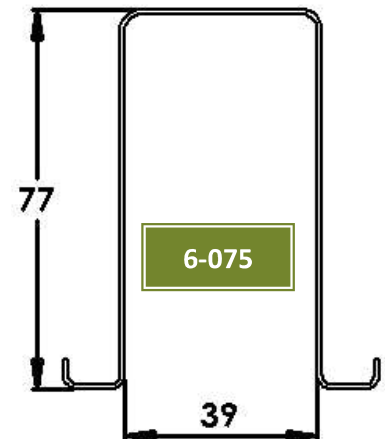
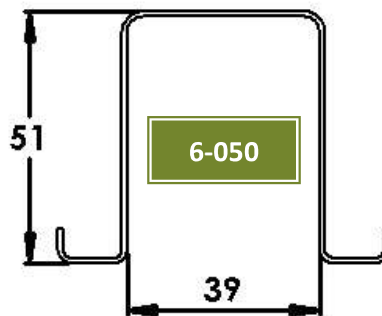
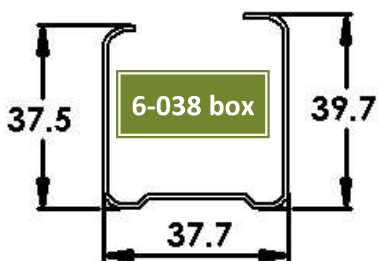
### 5-Series panel Rollformer section profiles



### 7-Series panel Rollformer section profiles



### Truss rollformer section profiles



# Systems Comparison Chart

Series & Model	RF7-90 Panel	RF7-63 Panel	RF7-70 Panel	RF7-76 Panel	RF5-90 Panel	RF5-140 Panel	RF6-50 Truss	RF6-75 Truss	RF6-38 Web
<b>Profile</b>	 90mm C Section	 63mm C Section	 70mm C Section	 76mm C Section	 90mm C Section	 140mm C Section	 Patented Top Hat Profile	 Patented Top Hat Profile	 Box Web Section
<b>Specifications</b>									
<b>Profile Image</b>									
<b>Profile Size</b>	90mm/3.5inch	63mm/2.50inch	70mm/2.75inch	76mm/3inch	90mm/3.5inch	140mm/5.5inch	51mm high Patented Top Hat Profile	77mm high Patented Top Hat Profile	38mm Box Web Section
<b>Number of Profiles</b>	1	1	1	1	1	1	1	1	1
<b>Product Description</b>	walls, floor joists ceiling panels, panelised roofs	walls, floor joists, ceiling panels, panelised roofs	walls, floor joists, ceiling panels, panelised roofs	walls, floor joists, ceiling panels, panelised roofs	walls, floor joists, ceiling panels, panelised roofs	walls, floor joists, ceiling panels, panelised roofs	bolled floor joists and bolled roof trusses	bolled floor joists and bolled roof trusses	Web sections in trusses
<b>Markets</b>	Worldwide	Worldwide	Worldwide	Worldwide	Worldwide	Worldwide	Worldwide	Worldwide	Worldwide
<b>Capabilities</b>	3 level residential & light commercial	Non load bearing, social housing, partitioning & bath-room pods	2 level residential & light commercial transportable homes	2 level residential & light commercial transportable homes	3 level residential light commercial	8 level commercial & 7 metre high walls	Up to 36 metre clear roof span capability. Up to 8.5 metre floor joist span capability	Up to 50 metre clear roof span capability. Up to 14 metre floor joist span capability	
<b>Software</b>									
<b>Design Software</b>	ScotSteel Design and Engineering Software	ScotSteel Design and Engineering Software	ScotSteel Design and Engineering Software	ScotSteel Design and Engineering Software	ScotSteel Design and Engineering Software	ScotSteel Design and Engineering Software	ScotSteel Design Software & Truss Engineering Software	ScotSteel Design Software & Truss Engineering Software	ScotSteel Design Software & Truss Engineering Software
<b>Rollformer Software</b>	ScotRF Rollformer Software	ScotRF Rollformer Software	ScotRF Rollformer Software	ScotRF Rollformer Software	ScotRF Rollformer Software	ScotRF Rollformer Software	ScotRF Rollformer Software	ScotRF Rollformer Software	ScotRF Rollformer Software

**Steel Coil Specification**

Gauge/Material Thickness	0.55 - 1.15mm	0.55 - 0.95mm	0.55 - 1.15mm	0.55 - 1.15mm	0.55 - 1.15mm	0.55 - 0.95mm	0.95 - 1.55mm	0.95mm
Tensile Strength	0.55 - 0.95mm G250 - G550 1.15mm G250	0.55 - 0.75mm G250 - G550	0.55 - 0.95mm G250 - G550 1.15mm G250	0.55 - 0.95mm G250 - G550 1.15mm G250	0.55 - 0.95mm G250 - G550 1.15mm G250	0.55 - 0.95mm G250 - G550	0.95 - 1.15mm G250 - G550 1.55mm G250	0.95mm - G250
Coil Width	173mm	143mm	153mm	156mm	192mm	244mm	224mm	114mm

**Dimensions - Crated**

Length	2930mm	2930mm	2930mm	2930mm	2930mm	3230mm	4100mm	2700mm
Width	780mm	780mm	780mm	780mm	780mm	780mm	800mm	900mm
Height	1440mm	1440mm	1440mm	1440mm	1440mm	1440mm	1590mm	1590mm
Weight	768kgs	768kgs	768kgs	768kgs	768kgs	1155kgs	1900kgs	1400Kgs

**Rollformer - Electrical**










Power Supply	Clean, dedicated power supply	Clean, dedicated power supply	Clean, dedicated power supply	Clean, dedicated power supply	Clean, dedicated power supply	Clean, dedicated power supply	Clean, dedicated power supply	Clean, dedicated power supply
Standard	220 - 240V ± 5%	220 - 240V ± 5%	220 - 240V ± 5%	220 - 240V ± 5%	220 - 240V ± 5%	380 - 400V ± 5%	380 - 400V ± 5%	380 - 400V ± 5%
Rated Voltage	50Hz ± 3Hz	50Hz ± 3Hz	50Hz ± 3Hz	50Hz ± 3Hz	50Hz ± 3Hz	50Hz ± 3Hz	50Hz ± 3Hz	50Hz ± 3Hz
Frequency	Single	Single	Single	Single	Single	Three	Three	Three
Optional	220 - 240V+ 5%	220 - 240V + 5%	220 - 240V + 5%	220 - 240V + 5%	220 - 240V + 5%	380 - 400V ± 5%	380 - 400V ± 5%	380 - 400V ± 5%
Rated Voltage	60Hz ± 3Hz	60Hz ± 3Hz	60Hz ± 3Hz	60Hz ± 3Hz	60Hz ± 3Hz	60Hz ± 3Hz	60Hz ± 3Hz	60Hz ± 3Hz
Frequency	Three	Three	Three	Three	Three	Three	Three	Three
Power Consumption Average	18A	18A	18A	18A	18A	8A	8A	8A
Maximum	29A	29A	29A	29A	29A	20A	20A	20A
Recommended Outlet/ Wall socket	30A	30A	30A	25A	25A	25A	25A	25A
Cable Requirements	3-core, 4.0mm	3-core, 4.0mm	3-core, 4.0mm	3-core, 4.0mm	3-core, 4.0mm	3-core, 4.0mm	3-core, 4.0mm	3-core, 4.0mm



**Computer Communication**

<b>32 / 64 bit Operating System</b>	Microsoft supported operating systems	Microsoft supported operating systems	Microsoft supported operating systems	Microsoft supported operating systems	Microsoft supported operating systems	Microsoft supported operating systems	Microsoft supported operating systems	Microsoft supported operating systems	Microsoft supported operating systems
<b>Laptop Interface to Rollformer</b>	Ethernet Cable	Ethernet Cable	Ethernet Cable	Ethernet Cable	Ethernet Cable	Ethernet Cable	Ethernet Cable	Ethernet Cable	Ethernet Cable
<b>Options</b>									
<b>Operations</b>	Plumbing Hole punch 102.6x65mm	Plumbing Hole punch 100x52mm	Plumbing Hole punch 100x52mm	Plumbing Hole punch 102.6x65mm	Plumbing Hole punch 102.6x65mm	Plumbing Hole punch 102.6x65mm	Plumbing Hole punch 102.6x65mm	N/A	N/A
<b>Cabinet Cooler</b>	For regions with an ambient temp.	For regions with an ambient temp.	For regions with an ambient temp.	For regions with an ambient temp.	For regions with an ambient temp.	For regions with an ambient temp.	For regions with an ambient temp.	For regions with an ambient temp.	For regions with an ambient temp.

## Decoiler

										
Automated Power Feed	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
<b>Steel Coil Capability</b>										
Steel Coil Width	114-244mm	114-244mm	114-244mm	114-244mm	114-244mm	114-244mm	114-244mm	114-244mm	114-244mm	
Maximum Diameter Outside Inside	1200mm 500mm	1200mm 500mm	1200mm 500mm	1200mm 500mm	1200mm 500mm	1200mm 500mm	1200mm 500mm	1200mm 500mm	1200mm 500mm	
Maximum Weight	1500kgs	1500kgs	1500kgs	1500kgs	1500kgs	1500kgs	1500kgs	1500kgs	1500kgs	
<b>Dimensions - Crated</b>										
Length	1370mm	1370mm	1370mm	1370mm	1370mm	1370mm	1370mm	1370mm	1370mm	
Width	1220mm	1220mm	1220mm	1220mm	1220mm	1220mm	1220mm	1220mm	1220mm	
Height	1180mm	1180mm	1180mm	1180mm	1180mm	1180mm	1180mm	1180mm	1180mm	
Weight	323kgs	323kgs	323kgs	323kgs	323kgs	323kgs	323kgs	323kgs	323kgs	
<b>Power Requirements</b>										

The decoiler is connected directly to the rollformer - the electrical power for the decoiler is supplied by the rollformer.  
The rollformer cannot be operated without a decoiler connected.

**Disclaimer:** Due to constant product development specifications are subject to change without prior notice

**SCOTTSDALE CONSTRUCTION SYSTEMS**

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