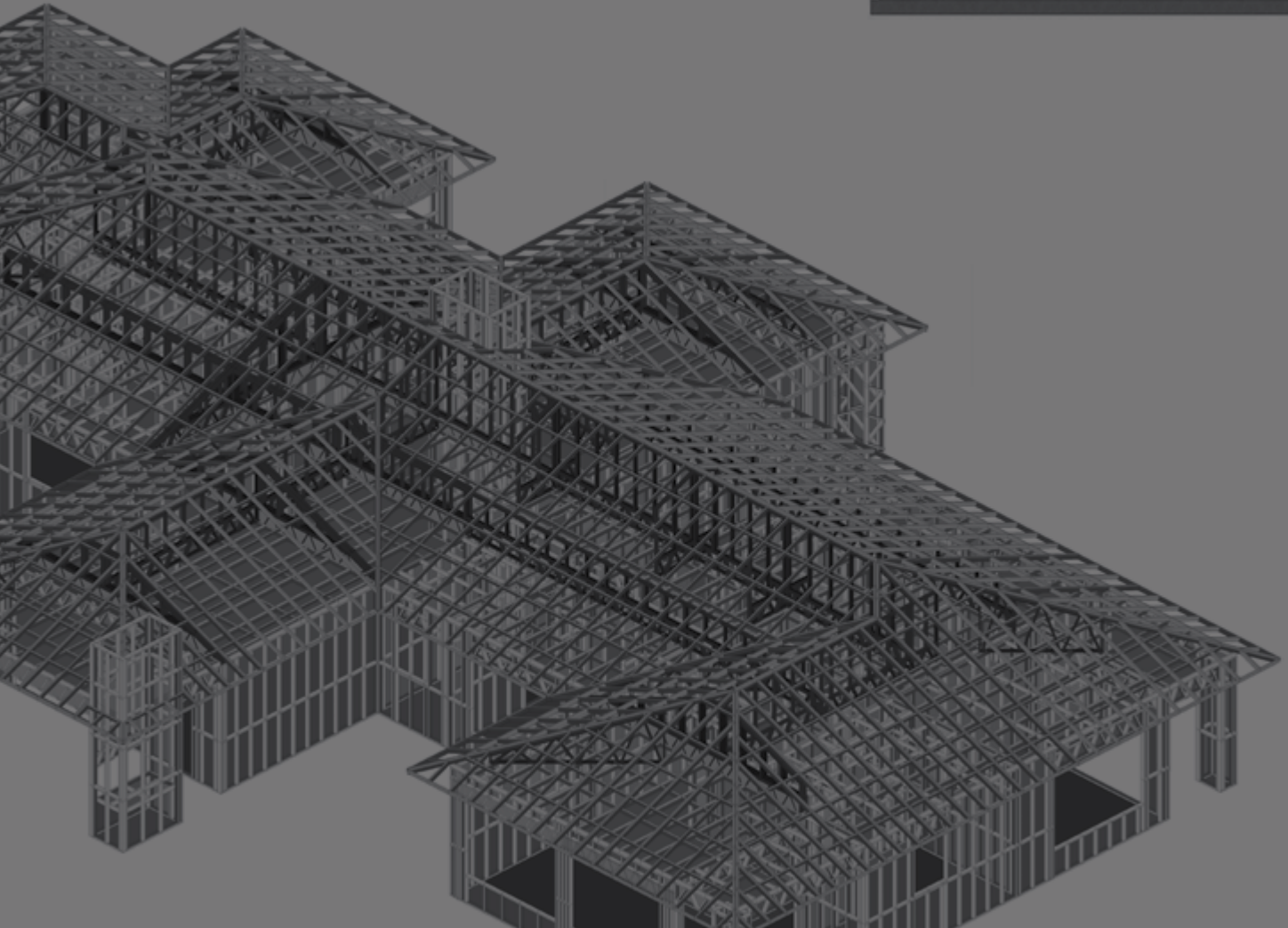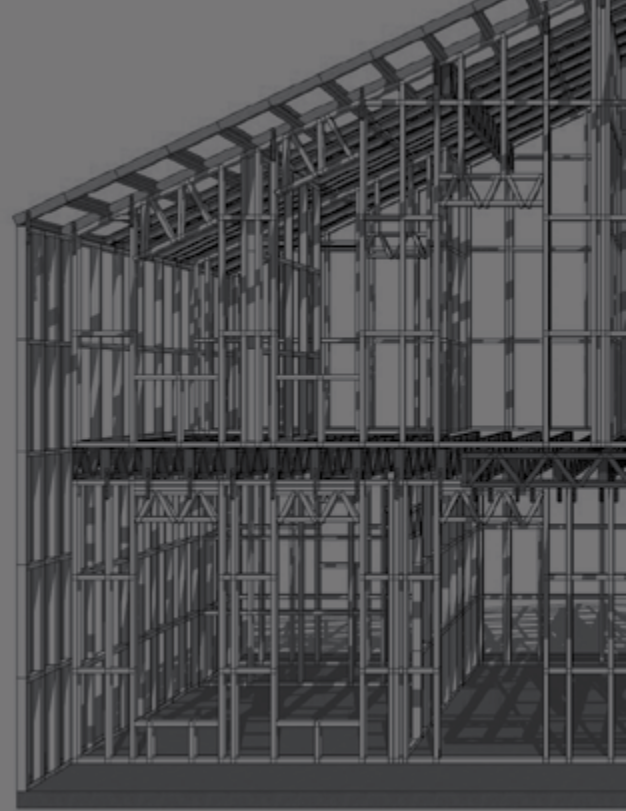# SCOTTSDALE
CONSTRUCTION SYSTEMS

INTELLIGENT LIGHT GAUGE STEEL FRAME & TRUSS TECHNOLOGY

EXPERTISE AND EXPERIENCE

INTELLIGENT DESIGN AND ROLLFORMER SOFTWARE

INTELLIGENT ROLL FORMING MACHINERY

ROLLFORMER MACHINE AND SOFTWARE SUPPORT

OUR VALUE PROPOSITION

LEADERS IN INTELLIGENT LIGHT GAUGE STEEL FRAME AND TRUSS TECHNOLOGY

Scottsdale is dedicated to innovating, manufacturing, delivering and supporting the most globally advanced light gauge steel (LGS) wall frame & roof truss technology.

We seamlessly integrate our software technology with our steel rollforming machines, provide durable solutions ranging from single to multi machine, with high volume applications.

Through our machine sales and software licensing structure, our business model is incentivised to provide business solutions through partnering and mentoring with the knowledge that comes from 25 years of industry experience, ensuring our customers' profitability and success.

A TOTAL SOLUTION WITH LOW CAPITAL ENTRY

Our total solution is the most cost effective method available, achieved through:

- User friendly software that easily syncs with rollformers
- Low cost automated roll forming equipment for factory use or on-site building applications
- Training on software, rollformer operation, maintenance and LGS building methods

PARTNERING IN YOUR SUCCESS

Our software revenue is generated from our customers producing steel frames, so we really do partner in our customers' success. This has a significant impact on how we do business:

- We're incentivised to help our customers achieve profitability
- We update and develop our software and hardware to keep up with the fast changing needs of our customers and the industry
- Continual development ensures we're able to achieve faster design, fabrication and construction of steel frames

HIGH LEVEL SUPPORT

We respond quickly to all enquiries, while providing the highest level of support for our existing customers:

- Worldwide internet and direct customer support, turning around responses quickly to keep your business running
- Ongoing development of software and hardware is based on feedback from our customers' needs

PROVIDING THE TOOLS FOR SUCCESS

- Leveraging in the "group" purchasing power
- Efficiency reviews of design, factory and on-site work methods
- In house marketing templates and case studies
- Linking like-minded companies globally to share ideas

INTELLIGENT STEEL FRAME & TRUSS MANUFACTURING TECHNOLOGY

For the past three decades we have steadily made inroads worldwide into the light gauge steel market.

Scottsdale users are utilising the technology for a wide range of applications ranging from residential housing, infill wall panels for multi-high rise commercial buildings, modular bathroom pods, lattice beams for roof & floor joists, internal wall partitions and roof panels.

APPLICATIONS SPECIFIC TO YOUR INDUSTRY AND EXPERTISE

COMMERCIAL

Multi-storey G+7, completed steel buildings, including roofing panels, infill panelling, external rain shield, internal partitioning, and facade framing.

RESIDENTIAL

Complete steel houses, including wall, ceiling, roof frames and floor joist production.

TRUSSES

Fully engineered steel trusses and floor joists.

BEST IN CLASS

Scottsdale's light gauge steel automated framing technology has been used worldwide for producing light gauge steel for residential and commercial structures since 1995.

Scottsdale is the world's most innovative steel framing technology company and has been the market leader for three decades.

Our current generation of series 500, 600 and 700 auto framing systems have been market proven in over 80 countries.

OUR AUTOMATED ROLLFORMING EQUIPMENT

Can roll steel from 0.55mm to 1.0mm in high tensile material and 1.2mm (BMT) in medium tensile.

To establish a factory facility requires very little in the way of infrastructure, namely there is no major capital plant as our rollformers manufacture 100% of the profile components, with assembly being the only other key element.

THE TOTAL SOLUTION

Our automated framing systems "Total Solution" is comprised of:

Our technology offers a "Total Solution" that is the most efficient and cost competitive solution available today for the design and fabrication of light gauge steel panels and trusses for the residential and light commercial markets.

- Powerful, user friendly ScotSteel design software, ScotRF rollforming software and ScotTruss engineering software for panel and truss design that easily syncs with the rollformer
- Low cost automated rollforming equipment that is at home in a plant or on the jobsite including the series 500 and 700 panelised fabrication systems

- Series 600 truss fabrication system
- Low cost containerised factories ready for deployment for on-site construction
- Comprehensive training on software, rollformer operation, and maintenance
- Internet based Request For Service (RFS) technical backup and support

INTELLIGENT DESIGN & ROLLFORMER SOFTWARE ➡ TOTAL SOLUTION STEEL CONSTRUCTION TECHNOLOGY ➡ INTELLIGENT ROLLFORMING MACHINERY ➡ ROLLFORMER MACHINE & SOFTWARE SUPPORT

DESIGN SOFTWARE

Scottsdale is the leading supplier of software and hardware solutions to the building industry.

With the most advanced and complete solution for design and fabrication of light gauge steel framing, for both residential and light commercial construction. The ScotSteel design software is powerful, intuitive and easy to use. The software reduces the traditional multi-step fabrication process down to one integrated solution.

SCOTSTEEL
DESIGN TO PRODUCTION IN NO TIME

ScotSteel is at the heart of the Scottsdale system, with 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, gable panels, soffit panels and more) into panel assemblies ready to run on the rollformer.

As a true 3D design tool, ScotSteel allows you to easily see what is 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 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.
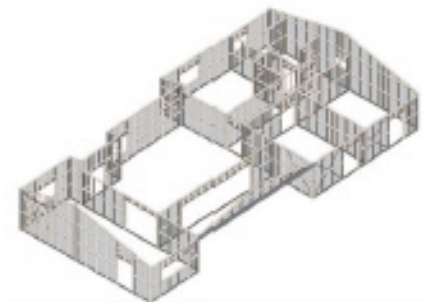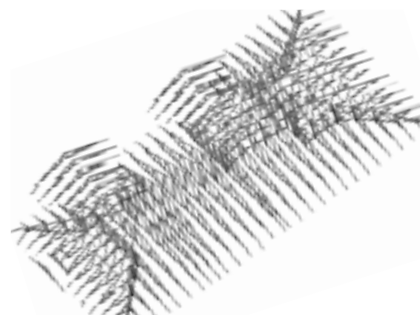
SCOTSTEEL FEATURES

- Powerful auto roof & truss tool
- Database library of opening sizes (for doors and windows)
- Powerful new print-out options
- DXF import and 3D DXF export
- Export steel usage data into Excel (.csv format)
- Improved graphics
- Powerful editing tools
- Stud to truss alignment tool and truss layouts
- Frame and element overlap checking tools
- Powerful new 3D editing tools

- Intuitive – easy to learn
- Default driven
- Graphical data entry
- 2D and 3D views
- Full 3D viewing from any angle
- 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

- 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
- Plate generation for lintels, x-bracing, vertical and horizontal bracing
- Auto design tools–floor and ceiling joists and truss layout
- View structure in 3D steel or 3D panels, or a combination of both
- Design any frame (roof, ceiling, wall, floor, soffit, overhangs, and many more)

TRUSS DESIGN & ENGINEERING

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

In addition to Scottsdale's unique panel ceiling and 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 trusses are designed in ScotSteel so potential errors can be eliminated.

ALL LOAD NODES ARE SHOWN AS WELL. SCOTSTEEL SIMPLIFIES TRUSS DESIGN.
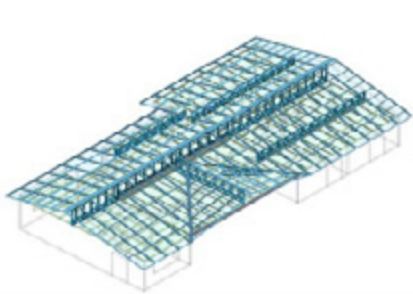
PANEL CEILING & ROOF DESIGN

SCOTSTEEL TRUSS ROOF DESIGN

WALL PANELS ONLY

ADDITIONAL 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
- Dimension snap to either frames edge or centre line
- Reposition doors/windows with dynamic dimension editing
- Metric or Imperial input/output & dimensioning
- Import & export industry standard .dxf files
- Bitmap export and more...

SCOTRF-PANEL
COMPLETE MACHINE CONTROL

ScotPanel production software is the bridge between ScotSteel and the series 500 & 700 rollformers. Completely intuitive, ScotPanel will have you producing lightgauge 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, ensuring non stop assembly. Real time diagnostics constantly monitor machine function to instantly provide feedback for any anomaly. If desired, full frame editing tools embedded in ScotPanel allow an operator to make emergency changes or even creates a panel without returning to the design department.
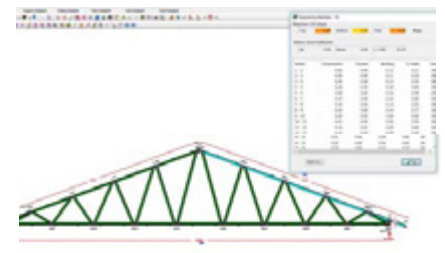
SCOTSTEEL PANEL ROLLFORMER

SCOTSTEEL PANEL WALL DESIGN

SCOTSTEEL PANEL ROOF DESIGN

SCOTPANEL SOFTWARE FEATURES

- Selected panel run order (batching)
- Quantity multiplier
- Manual function controls
- Full function frame 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

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 windows libraries
- Reposition doors/windows dynamically

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!

SCOTRF-TRUSS
COMPLETE MACHINE CONTROL

ScotTruss is the software bridge between ScotSteel, 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 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 truss currently being produced. Intelligent colour coded graphics indicate the order each piece has been run ensuring 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.

SCOTSTEEL TRUSS
ROOF DESIGN

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!
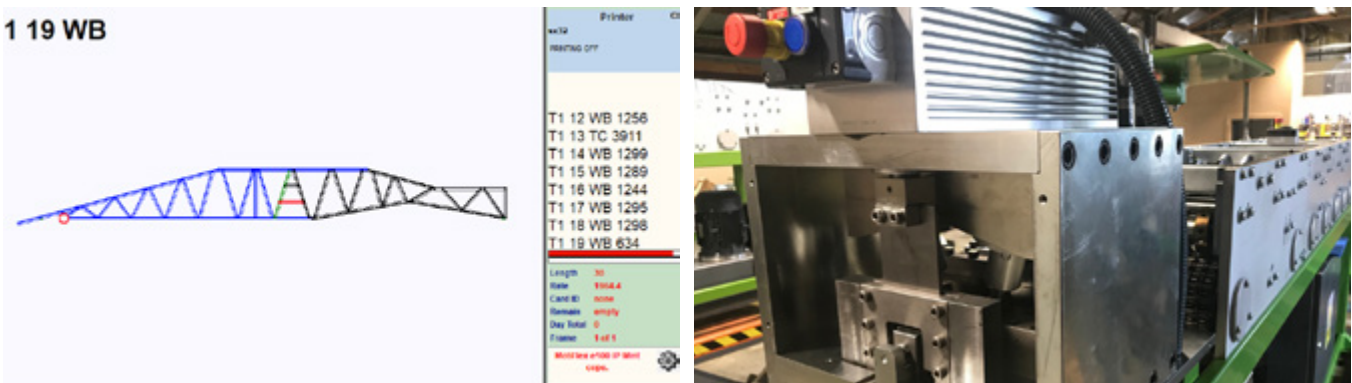
ADVANCED FEATURES

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

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

SCOTSTEEL
SOFTWARE FEATURES

- Selected truss run order (batching)
- Quantity multiplier
- Pause control
- Manual function controls
- Full function frame editor
- Item wizard
- Simulation mode
- User defined printing options
- 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
- Coil tracking/job production monitoring/control & monitoring

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
PROFILE	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
SPECIFICATIONS								
PROFILE IMAGE								
PROFILE SIZE	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
NUMBER OF PROFILES	1	1	1	1	1	1	1	1
PRODUCT DESCRIPTION	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	Bolted floor joists and bolted roof trusses	Bolted floor joists and bolted roof trusses
MARKETS	Worldwide	Worldwide	Worldwide	Worldwide	Worldwide	Worldwide	Worldwide	Worldwide
CAPABILITIES	3 level residential & light commercial	Non load bearing, social housing, partitioning & bathroom pods	2 level residential & light commercial transportable homes	2 level residential & light commercial transportable homes	5 level & 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.
SOFTWARE								
DESIGN 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 and engineering software	ScotSteel design software and truss engineering software	ScotSteel design software and truss engineering software
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

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
STEEL COIL SPECIFICATION								
GUAGE/MATERIAL THICKNESS	0.55 - 1.15mm	0.55 - 0.95mm	0.55 - 0.95mm	0.55 - 0.95mm	0.75 - 1.15mm	0.75 - 1.15mm	0.55 - 1.15mm	0.95 - 1.55mm
TENSILE STRENGTH	0.55 – 0.95mm G300 – G550	0.55 – 0.95mm G300 – G550	0.55 – 0.95mm G300 – G550	0.55 – 0.95mm G300 – G550	0.75 – 0.95mm G300 – G550	0.75 – 0.95mm G300 – G550	0.55 – 0.95mm G300 – G550	0.95 – 1.15mm G300 – G550
	1.15mm G250 – G350				1.15mm G250 – G350	1.15mm G250 – G350	1.15mm G250 – G350	1.55mm G250 – G350
COIL WIDTH	173MM	143MM	153MM	156MM	190MM	244MM	173MM	224MM
DIMENSIONS - CRATED								
LENGTH	2930MM	2930MM	2930MM	2930MM	2930MM	2930MM	3230MM	4100MM
WIDTH	780MM	780MM	780MM	780MM	780MM	780MM	780MM	800MM
HEIGHT	1440MM	1440MM	1440MM	1440MM	1440MM	1440MM	1440MM	1590MM
WEIGHT	768KG	768KG	768KG	768KG	768KG	886KG	1155KG	1900KG
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 RATED VOLTAGE FREQUENCY PHASE	220 - 240V ± 5% 50Hz ± 3Hz Single	220 - 240V ± 5% 50Hz ± 3Hz Single	220 - 240V ± 5% 50Hz ± 3Hz Single	220 - 240V ± 5% 50Hz ± 3Hz Single	220 - 240V ± 5% 50Hz ± 3Hz Single	220 - 240V ± 5% 50Hz ± 3Hz Single	380 - 400V ± 5% 50Hz ± 3Hz Three	380 - 400V ± 5% 50Hz ± 3Hz Three
OPTIONAL RATED VOLTED FREQUENCY PHASE	220V+/- 5% 60Hz ± 3Hz Three	220V+/- 5% 60Hz ± 3Hz Three	220V+/-5% 60Hz ± 3Hz Three	220V+/- 5% 60Hz ± 3Hz Three	220V+/- 5% 60Hz ± 3Hz Three	220V+/- 5% 60Hz ± 3Hz Three	380 - 400V ± 5% 60Hz ± 3Hz Three	380 - 400V ± 5% 60Hz ± 3Hz Three
POWER CONSUMPTION AVERAGE	18A	18A	18A	18A	18A	18A	8A	8A
MAXIMUM	29A	29A	29A	29A	29A	29A	20A	20A
RECOMMENDED OUTLET/ WALL SOCKET	30A	30A	30A	30A	30A	30A	25A	25A
CABLE REQUIREMENTS 50HZ	3-core, 4.0mm	3-core, 4.0mm	3-core, 4.0mm	3-core, 4.0mm	3-core, 4.0mm	3-core, 4.0mm	5-core, 4.0mm	5-core, 4.0mm
60HZ	4-core, 4.0mm	4-core, 4.0mm	4-core, 4.0mm	4-core, 4.0mm	4-core, 4.0mm	4-core, 4.0mm	4-core, 4.0mm	4-core, 4.0mm

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
COMPUTER COMMUNICATION								
32 / 64 BIT OPERATING SYSTEM	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
LAPTOP INTERFACE TO ROLLFORMER	Ethernet Cable	Ethernet Cable	Ethernet Cable	Ethernet Cable	Ethernet Cable	Ethernet Cable	Ethernet Cable	Ethernet Cable
OPTIONS								
OPERATIONS	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	N/A	N/A
CABINET COOLER	For regions with an ambient temp. above 35ºC	For regions with an ambient temp. above 35ºC	For regions with an ambient temp. above 35ºC	For regions with an ambient temp. above 35ºC	For regions with an ambient temp. above 35ºC	For regions with an ambient temp. above 35ºC	For regions with an ambient temp. above 35ºC	For regions with an ambient temp. above 35ºC
DECOILER								
AUTOMATED POWER FEED	YES	YES	YES	YES	YES	YES	YES	YES=
STEEL COIL CAPABILITY								
STEEL COIL WIDTH	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
MAXIMUM WEIGHT	1500kgs	1500kgs	1500kgs	1500kgs	1500kgs	1500kgs	1500kgs	1500kgs
DIMENSIONS - CRATED								
LENGTH	1370mm	1370mm	1370mm	1370mm	1370mm	1370mm	1370mm	1370mm
WIDTH	1220mm	1220mm	1220mm	1220mm	1220mm	1220mm	1220mm	1220mm
HEIGHT	1180mm	1180mm	1180mm	1180mm	1180mm	1180mm	1180mm	1180mm
WEIGHT	323kgs	323kgs	323kgs	323kgs	323kgs	323kgs	323kgs	323kgs
POWER REQUIREMENTS								

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

PANEL
ROLLFORMERS

Using the most up-to-date technology available, the series 500 and 700 rollformers raise 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 ScotPanel CNC software and Scottsdale's latest ScotSteel CAD design software.

SERIES 500 & 700 ROLLFORMERS

The series 500 & 700 rollformers are intelligent CNC machines that produce 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 rollcage 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).

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. The choice is yours.

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
- Cut off tool
- Notch tool
- Connection hole (2 sets)
- Swage unit
- Flatten unit

COMPUTER COMMUNICATIONS

- Ethernet

POWER SUPPLY

- Standard single phase 220-240V
- Optional three phase 220V
- Frequency – standard 50Hz
- Frequency – optional 60Hz

PANEL
ROLLFORMERS

SCOTPANEL SYSTEM FEATURES

- Fully automatic production
- Complete 1-8 level structures
- No inventory or random lengths
- No culling of materials
- No cutting
- No measuring
- No jigs required
- Virtually no scrap
- Low production cost

SCOTPANEL SYSTEM

- 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
- High quality, high strength steel
- Low production cost
- Engineering output reports
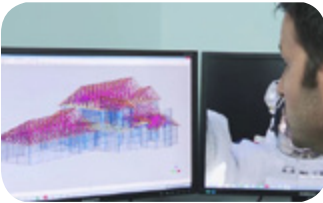
SCOTSTEEL DESIGN ENGINEERING SOFTWARE

Powerful software creates the design and communicates directly with the rollformer software.

INTEGRATED ROLLFORMER SOFTWARE

ScotPanel software interprets all commands and drives the state-of-the-art rollformer providing all functions to create panel components ready for assembly.

FROM COIL TO FABRICATION

Just in time rollforming virtually eliminates waste, requires no measuring, cutting, punching or additional labour.
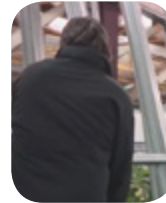
WALL AND ROOF FRAME ASSEMBLY

No jigs or tables required as the panels can only go together one way, the RIGHT way.
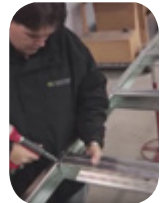
TRUSS
ROLLFORMERS

ScotTruss combines next-generation rollforming technology, sophisticated ScotSteel design 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 powerful truss engineering software.

SERIES 600 ROLLFORMER

The series 600 rollformer is the heart of the ScotTruss. With state of the art ScotSteel design engineering software 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 per-formed 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.

MODELS

- RF6-050 51mm high patented hat profile

- RF6-075 77mm high patented hat profile

For full technical specifications and a comparison chart, please review the document titled Systems Comparison Chart

STANDARD OPERATIONS

- Cut-off tool cope punch notch tool

- Connection hole (2 sets)

- Roller stations geared & driven

COMPUTER COMMUNICATIONS

- Ethernet

POWER SUPPLY

- Voltage three phase 380-400V

- Frequency – standard 50Hz

- Frequency – optional 60Hz

TRUSS
ROLLFORMERS

SCOTSTEEL DESIGN
ENGINEERING SOFTWARE

INTEGRATED
ROLLFORMER SOFTWARE

FROM COIL
TO FABRICATION

ONE WAY
TRUSS ASSEMBLY

- Powerful software creates the design and communicates directly with the rollformer software.

- ScotPanel software interprets all commands & drives the state-of-the-art rollformer providing all functions to create panel components ready for assembly.

- Just in time rollforming virtually eliminates waste, requires no measuring, cutting, punching or additional labour.
- No jigs or tables required as the panels can only go together oneway, the RIGHT way.

SCOTTRUSS SYSTEM

- Fully automatic truss
- production
- No inventory or random lengths
- No culling of materials
- No cutting
- No measuring
- No jigs required
- Virtually no scrap
- Low production cost

- 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
- High quality, high strength steel

DECOILERS

No system would be complete without this decoiler with its unique automatic power feed. It's 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 hydraul ic 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.
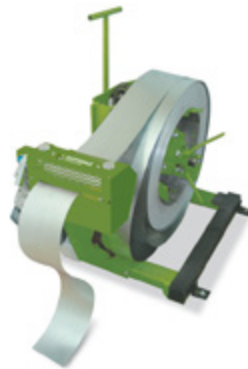
STEEL COIL

- Width 114-244mm
- Maximum diameter 1,200mm
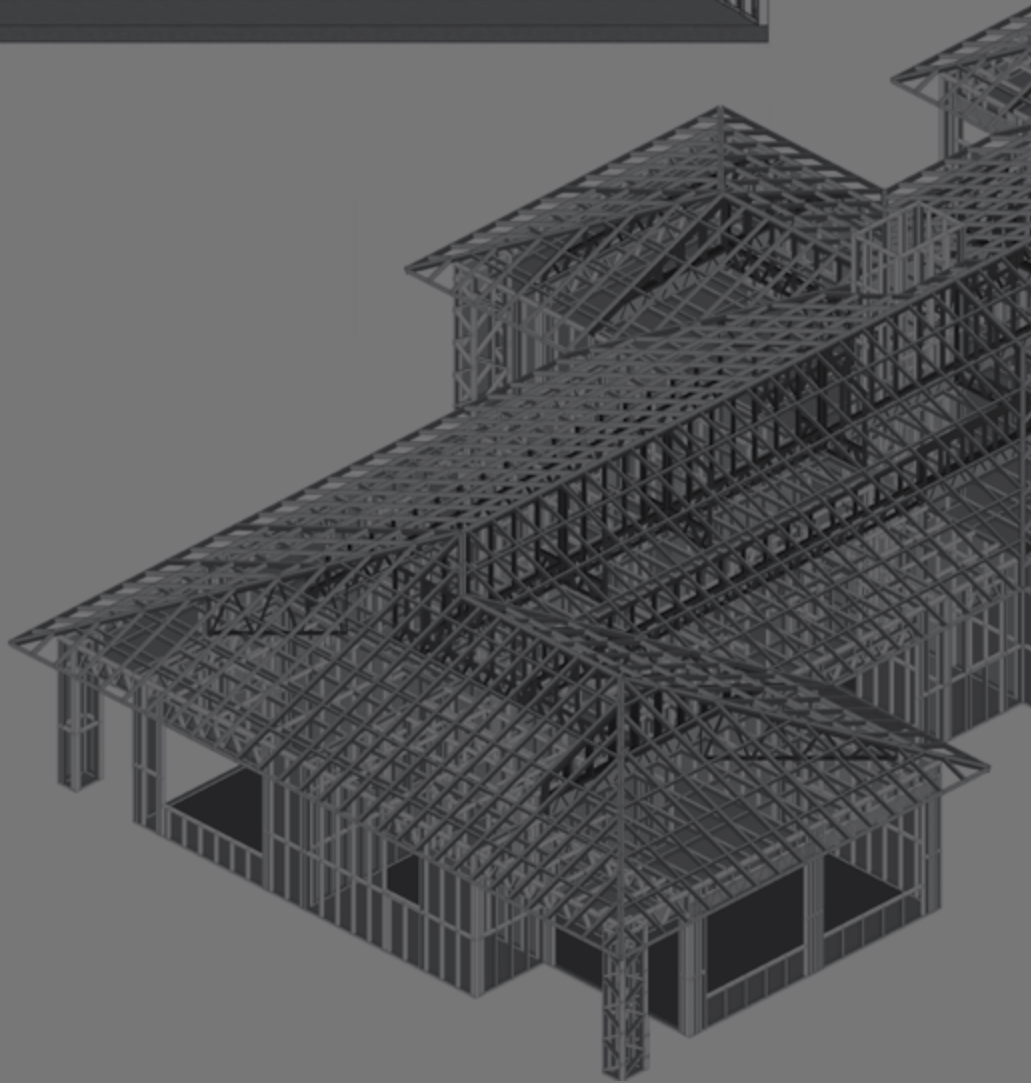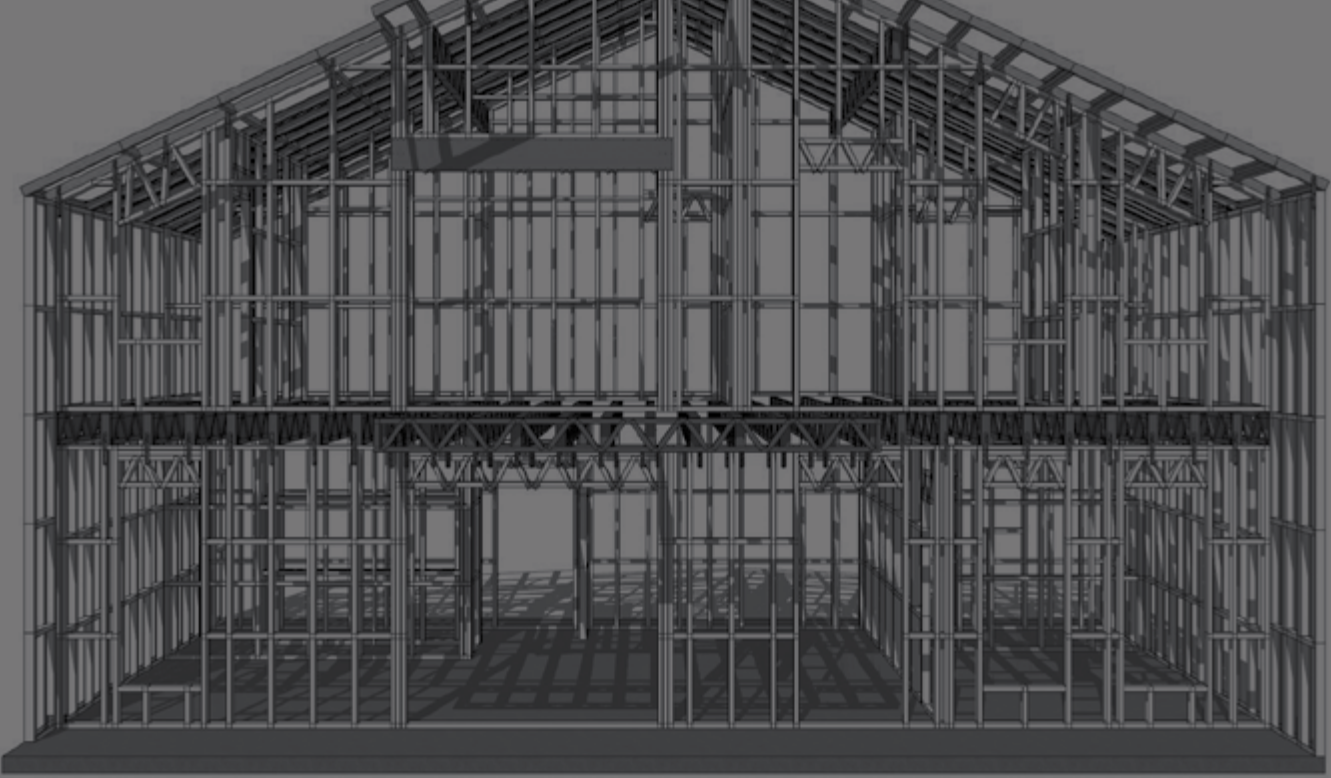- Inside diameter 500mm
- Maximum weight 1,500kgs

For full technical specifications and a comparison chart, please review the document titled Systems Comparison Chart.

POWER SUPPLY

- Voltage – standard 220-240V
- Frequency – standard 50Hz
- Frequency – optional 60Hz

AUTOMATED POWER FEED

- Yes