

THE INDUSTRY'S LEADING ROLL FORMING
SYSTEM JUST GOT EVEN MORE POWERFUL.

KFS FRAMEMAKER 1420G3

THE ULTIMATE STEEL FRAMING AUTOMATION



FEATURES

- **All the great features of KFS Framemaker 1420G2**, including 1.5x3.0-in. (38 x 76-mm) stud service slot, 5-in. (127-mm) dia. web hole, adjustable web notch, computer-driven dimpling and deflection track slotting, along with powerful design integrability with Revit, and a 1-year complementary license to ScotSteel.
- **Next-generation technological advancements**, including:
 - **6X FASTER CHANGEOVER** compared to industry average, 2.5X faster than 1420G2 through an automated servo-controlled roller adjustment
 - **INFINITE PROFILE SIZES** from 3.5-12 in. (89-305 mm) deep & 1.63-3.0 in. (19-76 mm) wide, ideal for creation of **TELESCOPING FRAMES**, and **CFS BOX COLUMNS**
 - **AUTO-ADJUSTING** coil thickness system
 - **UNIVERSAL SHEARING** requiring no die changes
 - **EXTREME PRECISION CONTROL** using the advanced 16-axis **BOSCH Rexroth** system
 - **ecoDecoiler** using gravity-feed technology and requiring no power



- **J-TRACK CAPABILITY** in addition to the standard stiffened-lip C-sections and U-track, including standard SFIA, CSSBIA, and SSMA member sizes
- **PRECISION CORNER BENDS** with tighter radii controls, significantly outperforming typical industry allowances.
- **INFRARED LIGHT PROTECTION PLANE** by SICK with automatic safety shutoff
- **10% HIGHER OPERATING SPEED** compared to already fast KFS Framemaker 1420G2

CAPABILITIES

- **C-sections** from 3.5 to 12 in. (89 to 305 mm) in depth, 1 5/8 to 3.0 in. (41 to 76 mm) in width (infinitely adjustable widths and depths)
- **U-track** and **J-track** from 3.5 to 12 in. (89 to 305 mm) in depth, 1 5/8 to 3.0 in. (41 to 76 mm) in width (infinitely adjustable widths and depths)
- All **standard material strengths** for metal stud framing permitted by AISI S100, CSA 136, EN 1993-1-3, and AS/NZ 4600

BENEFITS



EXCEPTIONAL ACCURACY, SPEED & RELIABILITY



PREMIUM DESIGN, ENGINEERING, AND CNC SOFTWARE INTEGRATIONS



NO SET-UP ERRORS, CONSISTENT QUALITY, NEAR 100% MATERIAL UTILIZATION



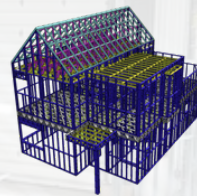
MARKET EXCLUSIVITY AND COMPETITIVE ADVANTAGE ON CUSTOM JOBS AND SHAPES



SIMPLER, MORE STREAMLINED OPERATION, LOWER OPERATING COSTS



UTILITY SAVINGS THROUGH LOWER POWER USAGE OF THE MACHINE & THE UNCOILER



R MWF
AUTODESK
REVIT
ScotSteel



INFINITELY EXPANDABLE POD PLATFORM WITH OVER 40 ADDITIONAL TOOLINGS AVAILABLE



BREAKTHROUGH GRAVITY-FED UNCOILER DESIGN WITH PRECISE COIL ALIGNMENT



**LOW MAINTENANCE
REAL-TIME INVENTORY TRACKING
MODERN SAFETY SHUTOFF SYSTEM**



ELIMINATES THE NEED FOR MULTIPLE OTHER MACHINES AND SOFTWARE PACKAGES



5 extra jobs, on average, per day of production
10 minute change-overs per production run
50 extra production minutes per each changeover
\$200K and more over annual impact on production

by **SCOTTSD**

SPECIFICATION



WEIGHT

Roll Former 12,300 lbs (5,600 kg)
ecoDecoiler 1,185 lbs (540 kg)



DIMENSIONS (W x L x H)

Roll Former 87 in. (2,210 mm) x 272 in. (6,910 mm) x 102 in. (2,590 mm)
ecoDecoiler 67 in. (1,700 mm) x 107 in. (2,720 mm) x 79 in. (2,010 mm)



TECHNOLOGY STACK, ELECTRICAL REQUIREMENTS, and PRODUCTIVITY

460V, 3-Phase, 29A, 60 Hz** power requirement | 100 psi (0.69 MPa) max. pneumatics
10/100/1000 MB Ethernet Connection or 2FF Mini SIM Compatible with LTE
6,500-lb (2,950-kg) decoiler capacity | Top rolling speed of 8,000 ft/hr (2,400 m/hr)
ScotSteel software suite for design/engineering/CNC/enterprise, Strucsoft Revit link

**customizable to the electrical requirements of all major global markets



PRODUCTION AREA FOOTPRINT

170 x 708 in. (4,310 x 17,970 mm)*

*includes roll former, decoiler, a 10-ft (3050-mm) runoff conveyor, and 4-ft (1,200-mm) perimeter safety gap for operators, framers, and utility vehicles



KFS Framemaker 1420G3 is available immediately for orders from across the globe. The system is customizable to all major electrical powertrain standards. KFS Framemaker 1420G3 is proudly manufactured in both the United States and Canada.





KNUDSON

by  SCOTTSDALE

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