

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

KFS FRAMEMAKER 1220G3

THE ULTIMATE STEEL FRAMING AUTOMATION
3 ROLL FORMERS IN A SINGLE MACHINE



FEATURES

- **All the great features of KFS Framemaker 1420G2 and 1218G2**, including 1.5x3.0-in. (38 x 76-mm) stud service slot, 5-in. (127-mm) dia. web hole, large obround web hole, adjustable web notch, computer-driven dimpling and deflection track slotting, along with powerful software integrations.
- **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 & 1.63-3.5 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 POSITIONING PRECISION, RAPID RESPONSE** servo system by **INOVANCE**
 - **Extra-large decoiler** with a long-duration 5,000-kg (11,000-lb) coil capacity
 - **Platinum** Scot**Steel** Software Suite **complementary license** for the life of ownership



16 STANDARD TOOLINGS AND FABRICATION FEATURES

3 TYPES OF TRUSS FABRICATION AUTOMATIONS

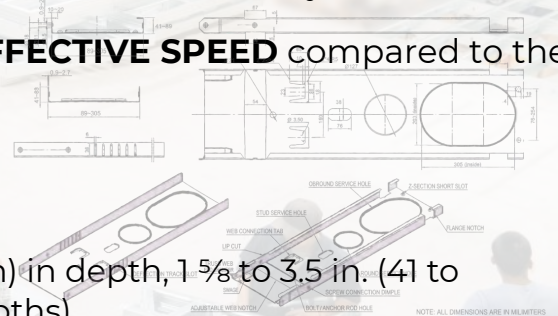
Z SECTION PURLINS WITH SHORT SLOT PUNCHES

2 FABRICATION MODES: PANELIZER & HYBRID

- **PERIMETER STIFFENING** for large web opening punches, including for the 5-in. (127-mm) round and the 8x12-in. (203x305-mm) obround service openings.
 - **PRECISION CORNER BENDS** with a 2-mm (1/16-in.) radius, significantly outperforming typical industry allowances.
 - **INFRARED LIGHT PROTECTION PLANE** by SICK with automatic safety shutoff
- **11% HIGHER TOP RUNNING SPEED, 20% HIGHER EFFECTIVE SPEED** compared to the already fast KFS Framemaker 1420G2 & 1218G2

CAPABILITIES

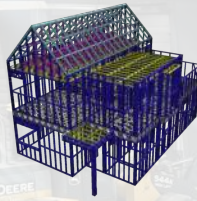
- **C-, U-, and J-sections** from 3.5 to 12 in. (89 to 305 mm) in depth, 1 5/8 to 3.5 in. (41 to 76 mm) in width (infinitely adjustable widths and depths)
- Optional **Z-section** from 4.7 to 12 in. (120 to 305 mm) in depth, 2.0 to 3.5 in. (51 to 89 mm) in width (infinitely adjustable widths and depths) with 45 and 90-degree stiffener lips.
- 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**



**SIMPLIFIED INVENTORY - TRACK AND
STUD FROM THE SAME COIL WIDTH**



**MARKET EXCLUSIVITY AND
COMPETITIVE ADVANTAGE ON
CUSTOM JOBS AND SHAPES**



**SIMPLER, MORE STREAMLINED
OPERATION, LOWER OPERATING
COSTS**



up to
102% of average extra linear
footage produced each day
due to

up to **69%** of extra steel per coil, up to **41%** fewer
coil changes, **40** extra minutes of production
with servo profile adjustments, **20%** higher
effective production speed, **16** standard inline
toolings automating the fabrication workflow.



**WIDER REACH OF STRUCTURAL
SPAN AND HEIGHT WITH EXPANDED
SHAPE OPTIONS.**



**ZERO SOFTWARE COST FOR THE
LIFE OF OWNERSHIP**



**EXPANDABLE PLATFORM WITH
NEARLY 40 ADDITIONAL TOOLINGS
AVAILABLE**



**UNPARALLELED ABILITY TO SERVE
MULTIPLE MARKETS AND FRAMING
METHODS**



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



**ELIMINATES THE NEED FOR
MULTIPLE OTHER MACHINES AND
SOFTWARE PACKAGES**



6,000 of average extra linear
footage produced each day
10 minute profile change-
overs per production run
40 extra production minutes
per each changeover
\$1.5M of additional profit from
extra production time

SPECIFICATION



WEIGHT

Roll Former 12,300 lbs (14,000 kg)

Decoiler 1,185 lbs (1,000 kg)



DIMENSIONS (W x L x H)

Roll Former 95 in. (2,400 mm) x 560 in. (14,200 mm) x 99 in. (2,300 mm)

Decoiler 65 in. (1,700 mm) x 80 in. (2,000 mm) x 75 in. (1,900 mm)



TECHNOLOGY STACK, ELECTRICAL REQUIREMENTS, and PRODUCTIVITY

Electrical supply: 480V, 3-Phase, 73A peak (roll former), 10A peak (decoiler), 60 Hz, or
380V, 3-Phase, 93A peak (roll former), 12A peak (decoiler), 50Hz

Control system interface: Lenovo Legion Pro 7i Gen 10 Intel, Nvidia GeForce RX 5080

11,000-lb (5,000-kg) decoiler capacity | Top roll forming speed: 8,000 ft/hr (2,400 m/hr)

Top effective roll forming speed: 3,150 ft/hr (960 m/hr)

KFS Framemaker 1220G3 is available immediately for orders from across the globe. The
system is customizable to all major electrical powertrain standards.



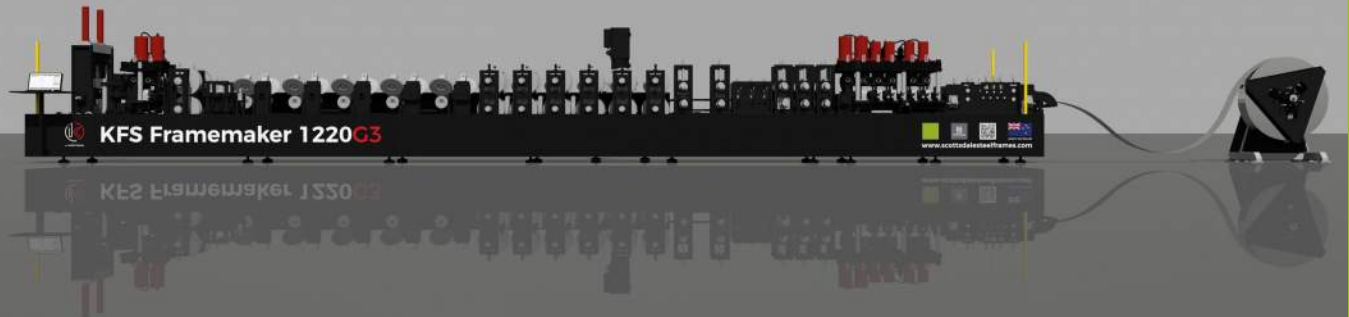
PRODUCTION AREA FOOTPRINT

188 x 932 in. (4,780 x 23,700 mm)*

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

KFS 1420G2+ KFS 1218G2 + FrameExtend24 =

KFS Framemaker 1220G3



Three roll formers. One machine.

SCOTTSDALE

THE TRUSTED STEEL-FRAMING PARTNER

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