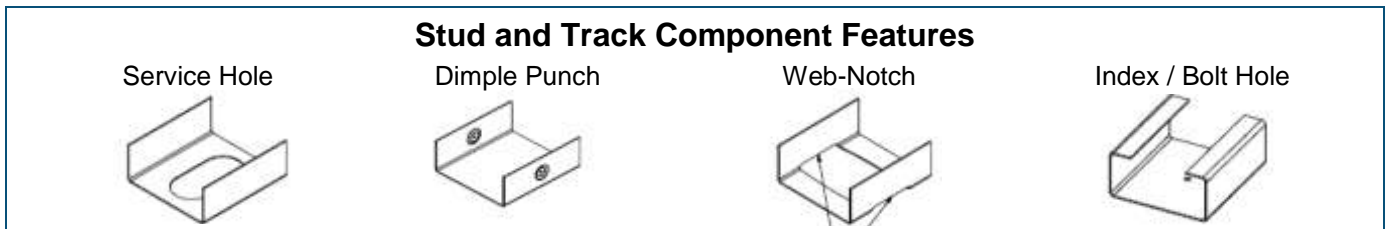


The KS-1420 is our largest and most powerful stud and track framing machine. It forms 14 to 20 gauge steel into six component widths and three heights. Ideal for commercial framing!

Stud and Track Sizes

Web: 3.63, 4.00, 6.00, 8.00, 10.00, and 12.00-in
 Flange: 1.63, 2.00, and 2.50-in
 Lip: Up to 0.75-in
 R: 0.090-in (inside Bend Radius)

Your KS-1420 FRAMEMAKER® Series can be set-up with a Service Hole, Dimple Punch, Index/Bolt Hole, and Web-Notch tools. You can also add In-Line Printing, and PC - Controller Software allowing you to label components and control your machine from your computer. Each option may be included with your machine or added later as your needs evolve.



Knudson is with you every step of the way with un-match service and support. Free training and set-up at our factory or yours, unlimited technical support via email and phone, plus the industries best warranty and service are included.



FRAMEMAKER® Series Advantages

- Versatile Gauges, Sizes, and Features
- Tool Features that Match your Needs
- Easy Set-up, Changeover, and Operation
- Machinery Evolves with your Business
- Complete Training, Set-up, and Technical Support
- Un-matched Warranty and Service

Knudson Mfg., Inc. Since 1957

Specifications

Components:	Stud Sizes	Track Sizes
• Web Width:	3.63, 4.00, 6.00, 8.00, 10.00, and 12.00-in	3.71, 4.08, 6.08, 8.08, 10.08, and 12.08-in
• Flange Height:	1.63, 2.00, and/or 2.50-in	1.63, 2.00, and/or 2.50-in
• Lip Width:	0.75-in maximum	N/A
• Inside Bend Radius:	0.090-in	0.090-in

Material Specifications:	<ul style="list-style-type: none"> • Material: Steel: Galvanized, Painted, Bare Pre-Finished • Thickness: 0.039 - 0.074-in / 14 to 20 Gauge • Strength: Max Tensile: 70-ksi, Max Yield: 50-ksi, (ASTM A 653 06a Grade 50)
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Coil Strip Widths:	Stud Components	
	2.00-in Flanges	2.50-in Flanges
1.63-in Flanges		
Web Size Coil Width	Web Size Coil Width	Web Size Coil Width
3.63-in = 7.85-in	3.63-in = 8.37-in	3.63-in = 8.37-in
4.00-in = 8.35-in	4.00-in = 8.70-in	4.00-in = 9.70-in
6.00-in = 10.35-in	6.00-in = 10.75-in	6.00-in = 11.75-in
8.00-in = 12.35-in	8.00-in = 12.75-in	8.00-in = 13.75-in
10.08-in = 14.35-in	10.08-in = 14.75-in	10.08-in = 15.75-in
12.08-in = 16.35-in	12.08-in = 16.75-in	12.08-in = 17.75-in
	Track Components	
3.58-in = 6.48-in	3.58-in = 5.05-in	3.58-in = 6.05-in
4.08-in = 6.45-in	4.08-in = 5.55-in	4.08-in = 5.55-in
6.08-in = 8.98-in	6.08-in = 7.55-in	6.08-in = 8.55-in
8.08-in = 10.98-in	8.08-in = 9.55-in	8.08-in = 10.55-in
10.08-in = 12.98-in	10.08-in = 11.55-in	10.08-in = 12.55-in
12.08-in = 14.98-in	12.08-in = 13.55-in	12.08-in = 14.55-in

Machine Specifications:			
Production Speed	<ul style="list-style-type: none"> • Fast: 60-ft/min Nominal Speed • Slow: 10-ft/min Nominal Throughput 	Dimensions	<ul style="list-style-type: none"> • Length: 190.00-in (4267-mm) • Width: 32.00-in (820-mm) • Height: 50.00-in (1270-mm) • Weight: 4,600-lbs (2087-kg)
Roll-Forming Details	<ul style="list-style-type: none"> • Twelve (12) Powered Roll-Forming Stations • One (1) Idled Auxiliary Roller Unit 		
Drive Train	<ul style="list-style-type: none"> • Power Source: Electric Motor/Hydraulic Pump • Power Take-Off: Hydraulic Motor • Drive/Forming Rollers: Gear/Sprocket/Roller Chain Drive • Main Drive Speed: 61 rpm @ 3.75-in Drive Diameter • Solenoid Valve Control 		
Electric Power	<ul style="list-style-type: none"> • Line Voltage = 440/380/220 VAC (+/- 10%) • Line Current = 40 Amps Recommended • Line Frequency = 50 / 60 Hz (+/- 1%) • Line Phase = Three phase (3 Ph) • Full Load Current = 14.0/16.2/28.0 Amps (440/380/220 VAC) • Electrical Drawing = See Drawings Provided by AMS Controls included 		
Noise Emissions Control System	<ul style="list-style-type: none"> • Equivalent continuous A-weighted sound pressure level = less than 70 dB (A) • Digital Batch Control / Operator Interface, Jog FWD/REV Selector switch, Shear Manual Pushbutton, Punch Manual Pushbutton, Touch Screen Selection of Tools 		
Safety Features	<ul style="list-style-type: none"> • E-Stop Switch (2), Safety Circuit, Covers, Lids, Sides 		

Operating Environment:	
Ambient Air	• +41 to +131° F (+5 to +55° C)
Altitude Range	• No Restrictions
Temperature	• Up to 24 hours at 122° F (50° C)
Humidity Range	• No Restrictions
Vibration Shock	• Vehicular transport on maintained roads
Transportation and Storage	• -13 to +131° F (-25 to +55° C)
	• Up to 24 hours at +158° F(+70° C)
Explosive Atmosphere	• Do not operate in any kind of explosive atmosphere