



SUPREME LIGHT STEEL
FRAME FORMING MACHINE



LIGHT GAUGE STEEL ROLL FORMING MACHINE



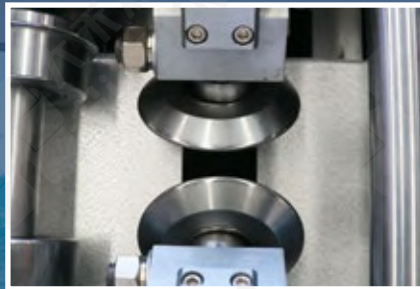
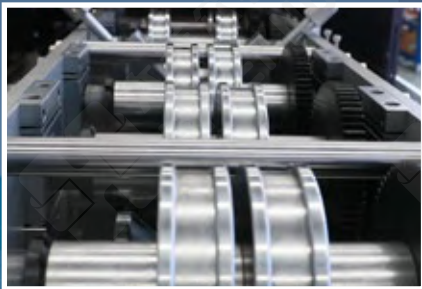


Entry-level
model

SUPER LIGHT GAUGE STEEL ROLL FORMING MACHINE

LG2021T

A entry-level model with high cost-effectiveness:
specializing in the production of residential/villa
(1-2 floors), suitable for the CC type of connection.





LG2021T

Quality Machine Puts Your Business Ahead of the Competition

- ✓ Remote Transmission/Management
- ✓ Intelligent quick size changing
- ✓ Products: Back-to-back Trusses, Single-specification Walls, Light Gauge Steel Truss Floors, Single-specification Roof Trusses, etc.

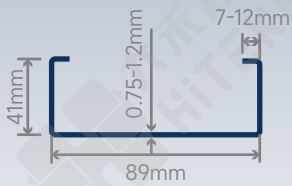


Quick Transverse Connection

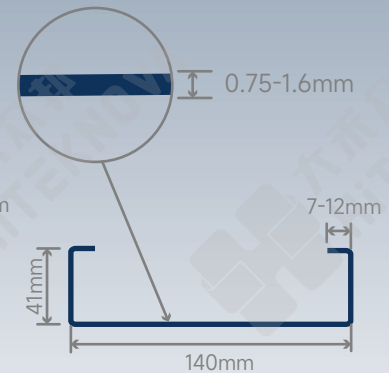
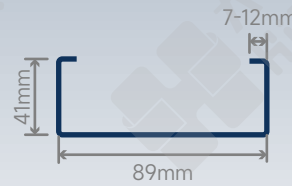
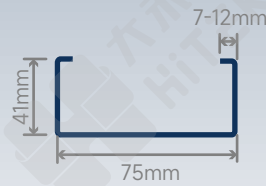


Back-to-back Trusses

Common Configuration in the Market:
Single-specification with Limited Functions.



HITEKNOVA:
Multi-specifications with Various Functions and A Wider Range of Thickness.





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1) De-coiler

放料架

Uncoiler Type: 放料架类型:	Standard type:3T manual automatic de-coiler(FD20)(baffle);Alternative type:semi-automatic, fully automatic, etc. 标配 3T 手摇自动放料架(FD20) (挡板);可选配半自动、全自动等
Drive mode: 驱料方式:	Motor driven 电机驱动
Inner diameter: 内径:	410-610mm
Outer diameter: 外径:	1300mm

2) Punching

冲孔

Punching type: 冲孔类型:	hydraulic punching 液压冲孔
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Hydraulic station: 液压站:	7.5KW 7.5KW
Fuel tank capacity: 油箱容积:	160L
Material: 材料:	Cr12Mov with hot quenched treatment. 经过热淬火处理的 Cr12Mov
Hole Type: 孔类型:	Customized 依据版型图
Punching precision within +/-1mm 冲压精度在+/-1mm 以内	
All punching dies driven by hydraulic station.Holes parameter is able to set by computer, including Punching length and numbers. 所有冲压模具由液压站驱动。孔参数可由电脑设定，包括冲孔长度和孔数。	

3) Roll Forming System

滚压成型系统

Main motor type: 主电机类型:	servo motor (Inovance) 7.5KW 伺服电机（汇川）7.5KW
Speed of forming: 成型速度:	High speed 48m/min, the actual production speed depends on the number of punched holes. (If there are special needs in terms of speed, you can communicate separately) 高速 48 米/分钟，实际生产速度根据打孔数量 (如在速度方面有特殊需要可单独沟通)
Main forming: 主成型:	13Composition type (one of which is waist height forming 87-95 degree random roll adjusting group)



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	13 组成型（其中一道为腰高成型 87-95 度任意调辊组）
Roller Material: 轧辊材质:	GCr15,heat treat to HRC58-60 after CNC processing, and then finish turning, polishing and electroplatin GCr15, 数控加工后热处理至 HRC58-60, 再精车抛光电镀
Diameter of main shaft: 主轴直径:	ø60mm
Material of main shaft : 主轴材料:	40Cr, after CNC processing, hrc28-32 is quenched and tempered, and then polished and electroplated 40Cr,数控加工后调质处理 HRC28-32, 再精车抛光电镀
Adopt high-quality chain drive. Due to the problems of high maintenance cost and large loss in gear transmission, chain transmission can eliminate gaps through self-adaptive tightening. 采用优质链条传动。由于齿轮传动存在维护成本高、损耗大的问题，链条传动可通过自适应涨紧消除间隙。	
Increase the forming self-adjusting gap, and the structure of the shrinking mold is updated to be more stable and have a long life 增加成型自调间隙，缩口模更新结构更稳定寿命长	

4) Hydraulic Cutting

液压切割

Cutting material: 切割材料:	Cr12MoV
Hydraulic Pressure: 液压:	16Mpa



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5) Online printer

在线喷码机

Online inkjet printing system 在线喷码机:	Marks and Item Number are available to be printed on the flange side for easy assembling pieces to pieces. 在线喷墨打印系统。 标记和项目编号可打印在腰高侧，以便于将零件组装成零件
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Configuration 配置		
No. 序号	Name 配置	Quantity 数量
1	Data and software 资料 and 软件	1
2	Host 主机	1
3	Nozzle control cabin 喷头控制仓	2
4	Power adapter 电源适配器 MW GS60A12-PIJ	1
5	Communication synchronous electric eye port 通信同步电眼窗口	1
6	HP45 ink cartridge EC401MZ HP45 墨盒 EC401MZ	2
7	Network cable 1M	2



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	网线 1M	
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6) Out-let Table

托料台

The length of product support frame: 托料台长度:	4m
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7) Safety Guard:

安全防护罩:

Safety Guard covers the whole machine to ensure worker's safe. Each parts of safety guard is linked with lock.

安全防护罩覆盖整个机器，以确保工人的安全。安全防护装置的各个部分都与锁相连。

8) Computer system

电脑系统:

The computer system is able to read Dahe's CSV file and connect with machine directly. It can control machine auto-running and demonstrate forming status dynamically, including punching and cutting. Also, it is able to scan production data with the computer system.

电脑系统可以读取大禾的 CSV 文件，直接与机器连接。它可以控制机器自



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动运行并动态显示成型状态，包括冲孔和切割。此外，它还可以使用计算机系统扫描生产数据。

9) Control panel

控制面板

Control the quantity & punching length & cutting length automatically. The Machine will be stopped while it is punching and cutting. Automatic Length measures and quantity counting (precision +/- 1mm)

自动控制数量和冲孔长度和切割长度，机器在打孔和切割过程中会停止。自动测长计数量（精度±1mm）

Voltage: 电压:	380V, 50Hz, 3 Phase 380V, 50Hz, 三相
Servo Motor: 伺服电机:	Inovance 汇川
Main parts origin: 主配件产地:	PLC (日本松下)、光电开关(欧姆龙)、接近开关 (韩国奥托尼克斯)、长度编码器 (欧姆龙)、伺服电机 (汇川) PLC (Panasonic, Japan), photoelectric switch (Omron), proximity switch (Autonics, Korea), length encoder (Omron), servo motor (Inovance)
Control type: 控制方式:	Computer controller with Dahe's NC control software LG-R1 电脑控制器配合大禾 NC 控制软件 LG-R1

10) Methods of Design Data Export

设计数据传输方式



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Methods of Design Data Export (There are 3 methods, you can choose any one) 设计数据导出方式 (共有 3 种方式, 任选一种)			
NO. 序号	Method 方式	Device 设备	Step 步骤
1	XBIM Intelligent managem ent applet XBIM 智能 管理小程 序	Computer/ Mobile Phone 电脑/手机	1、 WeChat search applet "XBIM " ; 2、 Click on the Tasks module; 3、 Click "Add Task", enter the task information and upload the task file, click to confirm the information, and the task transmission is completed. 1、 微信搜索小程序“XBIM” ; 2、 点击任 务模块; 3、 点击“添加任务”, 输入任务 信息并上传任务文件, 点击确认信息, 任 务传输完成。
2	Machine operation screen 机器操作 屏	Hiteknova Machine Hiteknova 设备	Manually enter data into the operator panel 手动将数据输入操作面板
3	U Disk U 盘	Hiteknova Machine Hiteknova 设备	Backup the data to a USB flash drive and plug it into the USB port of the device 将数据备份到 USB 闪存驱动器并将其插 入设备的 USB 端口