



CREATE PLEASURE, ENJOY DIFFERENCES

CNC STEEL BAR STIRRUP BENDER

Model No.: SGW08A-SGW10A-SGW12A-2



DATA SHEET



SGW10A







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

SGW10A

Technical Parameters

Single wire	SGW08A	4-8mm(HRB≤400)	Maximum bending angle	SGW08A	Single Way 180°	Bending Direction	SGW08A	Single Direction
	SGW10A	4-10mm (HRB≤400)		SGW10A			Single Direction	
	SGW12A-2	5-13mm (HRB≤400)		SGW12A-2			SGW12A-2	Bi-Direction
double wire	SGW08A	4-6mm (HRB≤400)	Longest stirrup side	SGW08A	700mm	Maximum Traction Speed	SGW08A	75m/min
	SGW10A	4-8mm (HRB≤400)		SGW10A	500mm		SGW10A	60m/min
	SGW12A-2	5-10mm (HRB≤400)		SGW12A-2	1000mm		SGW12A-2	100m/min
Maximum Bending Speed	SGW08A	1200°/sec	Shortest stirrup side	SGW08A	60mm	Total equipment power	SGW08A	12kW
	SGW10A			SGW10A				
	SGW12A-2	1050°/sec		SGW12A-2	140mm		SGW12A-2	19.2kW
Total Weight	SGW08A	0.9t	L×W×H	SGW08A	2510×810×1630mm	Average power consumption	SGW08A	3kW/h
	SGW10A	1t		SGW10A	2530×960×1640mm		SGW10A	
	SGW12A-2	1.5t		SGW12A-2	3800×1460×1950mm		SGW12A-2	

1. Technical Data:

	TECH. ITEMS	Mode : SGW08A	Mode : SGW10A	Mode : SGW12A-2
	TENSILE STRENGTH	HRB≤400	HRB≤400	HRB≤400
	SINGLE WIRE BENDING	4-8 mm	4-10mm	4-12mm
	DOUBLE WIRE BENDING	4-6 mm	4-8mm	4-8mm
	BENDING DIRECTION	One-direction	One-direction	Bi-Direction
	OPERATION	Computer numerical control(CNC)	Computer numerical control(CNC)	Computer numerical control(CNC)
	MAX. BENDING ANGLE	180°(one way bending)	180°(one way bending)	180°(one way bending)
	MAX. LENGTH OF STIRRUP SIDE	700 mm	500 mm	1000 mm

	MIN. LENGTH OF STIRRUP SIDE	60 mm	60 mm	60 mm
	MAX. BENDING SPEED	1200°/sec	1200°/sec	1050°/sec
	MAX. TRACTION SPEED	75m/min	75m/min	75m/min
	TRACTION SERVICE MOTOR POWER	5.5KW	5.5KW	7.5KW
	BENDING SERVICE MOTOR POWER	4.4KW	4.4KW	5.5KW
	CUTTING MOTOR POWER	3KW	3KW	4KW
	TOTAL POWER	12KW	12KW	19.2KW(Air Compressor 2.2KW)
	AVERAGE ELECTRIC CONSUMPTION	3 KW/H	3 KW/H	5 KW/H
	L×W×H	2510×810×1630 mm	2530×960×1640 mm	3800×1460×1950 mm
	WEIGHT	0.9T	1.0T	1.5T

2.Introduce:

This fully automatic CNC steel bar stirrup bending machine which is special for house building projects stirrups, this design has two models, one is SGW08A which is max.8mm and another model is SGW10A which is max.10mm coil bar. Compare normal CNC stirrup bending machine, these two models have following advantages:

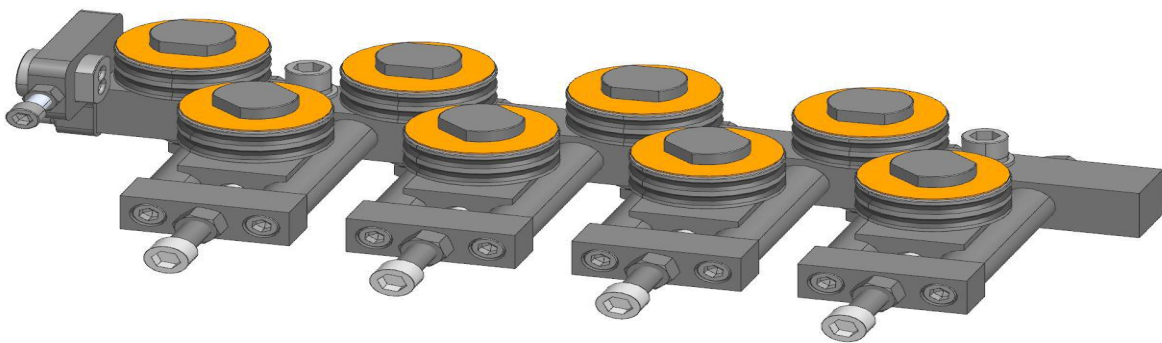
- ◆ High Bending Speed: 1200-2400 pcs stirrups production per for hour, 1200 stirrups for single-wire(8 or 10mm), 2400 stirrups for double-wire(6 or 8mm), compare normal cnc stirrup bending machine, this model speed is 30% faster;
- ◆ Easy to Transport: Lightweight and compact body, more convenient and easy to transport and install, it only needs one Mini truck then can transport and even you can work on the Mini truck.
- ◆ Standard Parts: Each transmission system adopts standard reducer transmission, with stable structure and high transmission efficiency; the traction wheels are working by standard bearing which can be replaced by market bearing.
- ◆ No need Air and Hydraulic Pressure : The production system structure does not require air source(SGW12A-2 need) and hydraulic pressure, it can be used immediately after plugging in, and the use cost is lower, convenient and fast, most of normal design needs the air and pressure.
- ◆ Economic: No need air and pressure system, No need V-belt, Standard industry parts like bearing as the traction wheels to save a lot of cost to make price is economic.

3.Component Parts Design:

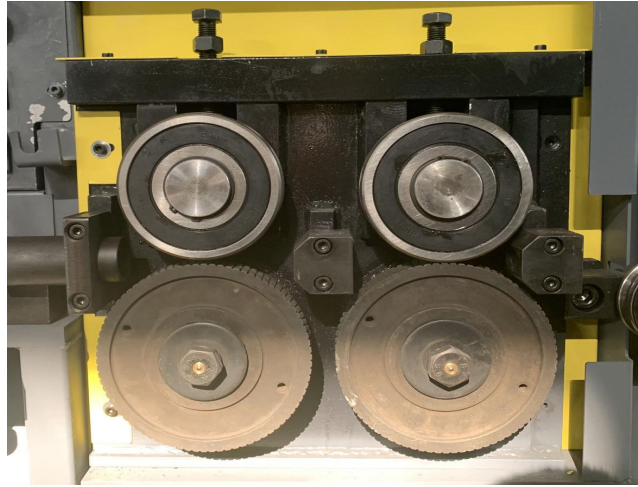
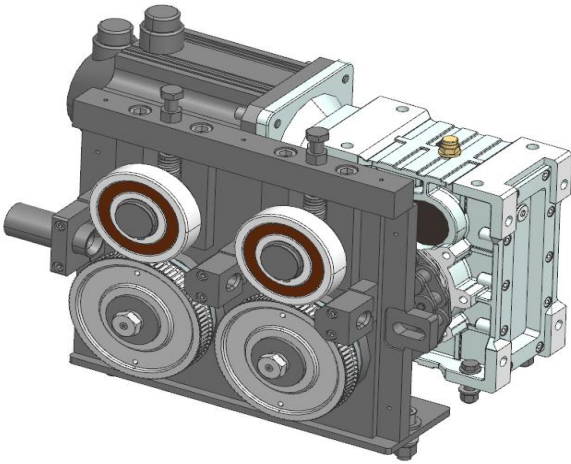


The equipment is composed of pre-adjustment assembly, traction assembly, straightening assembly, shearing and bending assembly and other parts.

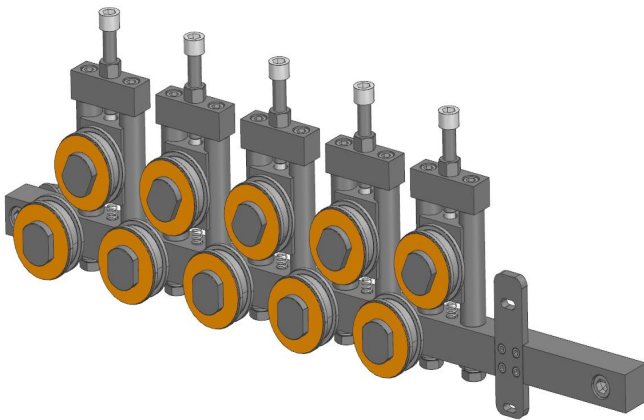
- ◆ Pre-adjustment assembly. Pre-adjustment assembly: It consists of four sets of pre-adjustment wheels that can adjust the distance, so as to realize the horizontal straightening of different types of steel bars. The double-groove bearing is used as the pre-adjustment wheel, which not only ensures the service life, but also makes it economical.



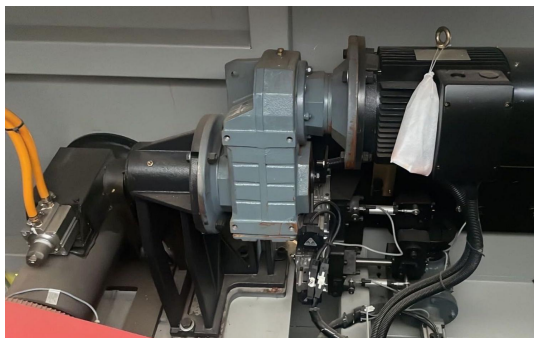
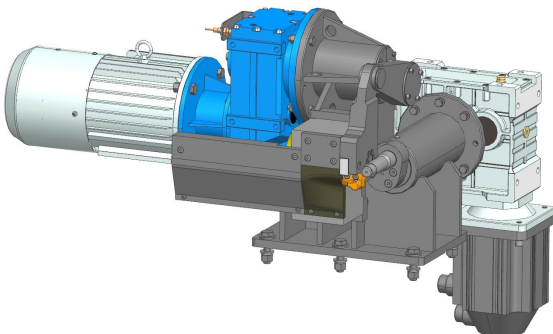
- ◆ **Traction assembly:** It consists of two sets of traction wheels and pressure wheels. The servo motor drives the standard reducer to drive directly. It runs smoothly and has low noise. The traction wheels are made of alloy steel to ensure their service life. At the same time, heavy-duty series rolling bearings are used. As a pressing wheel, it has good economy under the premise of ensuring the service life.



- ◆ **Straightening assembly:** It consists of five sets of pre-adjusting wheels, each set of pre-adjusting wheels can adjust the distance, and can realize vertical straightening of different types of steel bars. Flat groove bearings are used as pre-adjusting wheels to ensure service life. Under the premise, it has good economy.



- ◆ **Shearing and bending assembly:** composed of a shearing module and a bending module, which can realize the shearing and bending of steel bars. The servo motor drives the standard reducer to drive directly. The bending operation is stable and the noise is low. The shearing blade and bending The mold and bending wheel are made of alloy steel to ensure their service life.



4. Cost Saving:

This machine can bend 1800 pcs stirrup 6mm 200X200mm stirrups with one operator, if same production we choose normal small machine, we need 4 pcs straighters+4 pcs benders and 8 operators, but machine cost is almost same.

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SPECIAL DESIGN FOR HOUSE BUILDING STIRRUPS

SGW08A
CNC STEEL BAR STIRRUP BENDER

VS

ONE HOUR
1800Pcs
(200*200mm,6mm)

ADVANTAGES:

- 1.PRICE ECONOMIC: 1 SGW08A MACHINE PRICE= 4 STRAIGHTER+4 BENDER PRICE;
- 2.LABOR SAVING(SAME PRODUCTION): 1 PERSON FOR SGW08A=8 PERSONS FOR SMALL MACHINES;
3. EASY TO MOVE: MACHINE SIZE AND WEIGHT IS LIGHT, EASY TO MOVE TO NEXT PLACE.

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5. Pay-Off Choice :

This machine is not supplying pay-offs to save the shipping space and cost but we can supply the simple drawing design for pay off and you can produce by yourself.



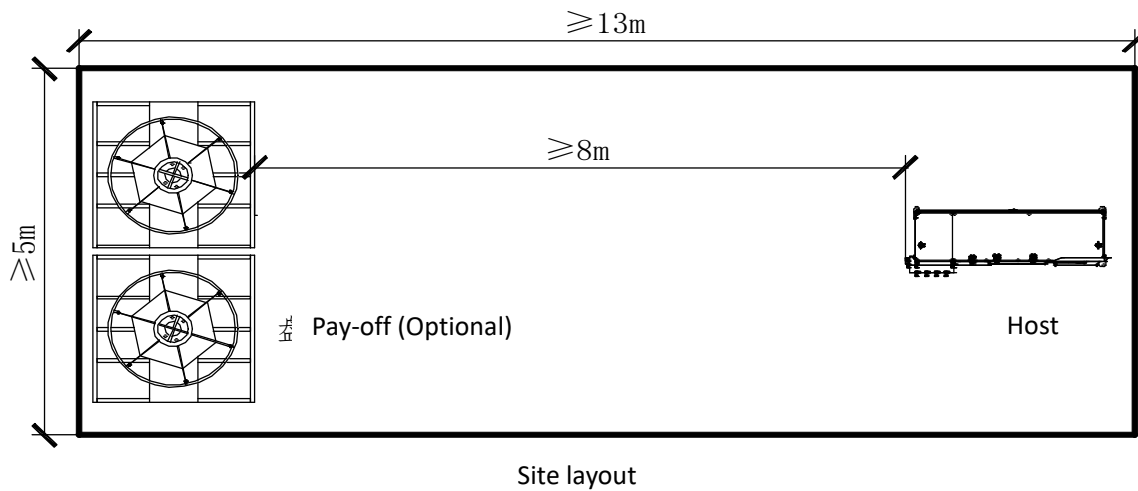
Type1



Type2

- ◆ Type1 pay-off Maximum carrying capacity **1,500KG** bar.
- ◆ Type2 pay-off Maximum carrying capacity **2,500KG** bar.
- ◆ Be able to dis-assemble and easy to transport.

6.Site Layout:




7. Main Components:

NO	Name	Brand	Model
1	bearing	Ha axis, Luo axis	6410-2RZ,22213CA/W33C3.....
2	touch screen	Kinko	GL100
3	Programmable Logic Controller (PLC)	Xinjie	XD5-32T-E
4	Traction/bending servo driver 5.5KW	Xinjie	DS5E-45P5-PTA-H
5	Traction/bending servo motor 4.4KW	Xinjie	MS6H-180CS15B2-44P4
6	breaker	Chint	NXB-63-3P-D63A.....
7	Miniature Circuit Breaker	Chint	NXB-63-1P-C20A.....
8	AC contactor	Chint	CJX2-2501/220V 50HZ.....
9	thermal relay	Chint	NR2-25 12-18A.....
10	Power Supplier	MEAN WELL	HLG-100H-24A.....
11	relay	Omron	MY2N-GS-DC24V
12	emergency button	Chinese brand	LAY5-B5542
13	key knob	Chinese brand	NP2-BG25
14	knob	Chinese brand	XB2-BD53
15	reducer	BMEMB	BKM1102-12.84-SF180-B3

6. Free Parts:

Name	Specification	Unit	Brand	Qty	Note
toolbox	470×250×220mm	Piece		1	
Single hole φ12 inlet	A002-02-04-2	Piece		1	
Double V groove bearing	Inner 35 outer 80 thick 27 double V groove width 8 deep 2.5mm	Piece		1	
H groove bearing	Inner 35 outer 80 thick 27H groove width 16 deep 5 mm	Piece		1	
Round hole 8 stationary blades	A002-06-09-2	Piece		1	
Round hole 10 stationary blades	A002-06-09-3	Piece		1	
Bending die 1	A002-06-010-1	Piece		1	
Bending pile head	A002-06-14	Piece		1	

moving blade	A002-06-19	Piece		1	
Compression arm sleeve	A076-03-23	Piece		2	
Center pile removal tool	A104-05-16	Piece		1	
dead wrench	8-10	Piece		1	
dead wrench	13-16	Piece		1	
dead wrench	16-18	Piece		1	
dead wrench	22-24	Piece		1	
Ratchet wrench (with 14 inner hexagon)		Set		1	
Allen wrench (extended)	2#	Piece		1	
Allen wrench (extended)	3#	Piece		1	
Allen wrench (extended)	4#	Piece		1	
Allen wrench (extended)	5#	Piece		1	
Allen wrench (extended)	6#	Piece		1	
Allen wrench (extended)	8#	Piece		1	
Allen wrench (extended)	10#	Piece		1	
Allen wrench (extended)	12#	Piece		1	
Allen wrench (extended)	14#	Piece		1	
Circlip pliers (inner straight)	7 "	Piece		1	
Circlip pliers (outer straight)	7 "	Piece		1	
wire cutters	8#	Piece		1	
adjustable wrench	300#	Piece		1	
cross knife	6×150	Piece		1	
change one word	6×150	Piece		1	
change one word	2.5×75	Piece		1	
grease gun	100g	Piece		1	

7.About us

GUTE MACHINERY
CREATE PLEASURE, ENJOY DIFFERENCES



Customization
To be more Intelligent



CHENGDU GUTE MACHINERY WORKS CO.,LTD.

GUTE machinery was founded in 1994, for the last 25 years, GUTE machinery has been focus on manufacture, sales service, research and development of steel bar process equipment, more than one million GUTE steel bar equipments are used in construction industry among 70 countries. At present, GUTE machinery has become a professional brand of intelligent CNC steel bar process equipment, and the leading customized solution service provider in steel bar process industry, GUTE machinery will keep on marching forward to the world top brand of construction machinery.

8.GUTE Service Around The World

