

REMCOR

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www.remcortechology.com

About company:

Remcor Technology is committed to provide customers around the world with reliable high-quality and efficient sheet metal processing machine, Which integrates the production, R&D, and sales marketing, having been highly praised by customers and exported to many countries and regions in the world.

Remcor Technology offer the below:

- 1.Coil sheet punching&shearng production line
- 2.Panel bender, High-speed Positive Bending Center
- 3.Fiber laser cutting machine, Fiber laser welding&cleaning machine
- 4.CNC Swiss lathe Series

The company has always adhere to high product quality and good after-sales services, with the facility of high speed milling machine, plasma cutting line, paint spraying line, CNC machining center, etc. From the manufactures of the base structure to the selection of the main components, We strictly company with European Standards.

Remcor Technology strives to provide you with solutions that provide maximum production efficiency and profitability at minimum production costs and become your reliable partners.

We sincerely forward to cooperating with you.

Catalog:

1. Coil sheet punching & shearing line

- √24-hour unmanned automatic production
- √The electric drive is fully used, energy consumption is 1 kWh/hour
- √European quality, Chinese price with a higher ROI



The coil sheet punching & shearing line includes decoiling, levelling, CNC punching shearing etc.

It implements automatic robot loading - decoiling - leveling - punching-shearing - automatic palletizing. This is a fully automated assembly line, the production line with a production capacity of 8 hours is equivalent to a traditional production line with a workload of 3 workers 4 days. The equipment is stable and efficient, the working width of the sheet can be 350-1200mm.

PRODUCT PARAMETER

Item	Details	Remark
Coil width	1250	
Materials type	Stainless steel/Carbon steel/Galvanized steel	
Max loading trolley weight	10T	
Rack tension	35T	
Loading trolley	Coil width 1250mm, weight 10, Up and down stroke 300	
Inner diameter for the coil material	Φ480-Φ530mm	
Outer diameter for the coil material	Φ1320	
Levelling rolls quantity	Φ60,up 8/down 9, 17 in total	One manual control roller
Material	Stainless steel	0.3-1.5
	Carbon steel	0.3-2
	Galvanized steel	0.3-1.5
Servo motor	5.5KW	
Punching station processing area	300-1250mm	
Max support dies quantity	40 pcs	32B+8D
Axis speed	20m/min	V/C/U
Servo screw feeder Max feeding speed	20m/min(NO include punch)	
Servo shearing machine	Width 1250, thickness 0.3-2mm	
Chip conveyor	350/750/3500	
Max positioning accuracy	±0.01mm	
Punching forth	30T	
Control cabinet	With air conditoner	
Control system	SYNTEC	
Servo motor	Yaskawa/Panasonic	
Guide	HIWIN	
Sensor	Panasonic	

2. Panel Bender

Fully automatic panel bender includes automatic loading and unloading, automatic bending multi sides, edge bending, arc bending and automatic palletizing with robot arms or truss etc.

Loading and unloading can be done using a robot arm etc.; All of them are controlled automatically by CNC.

The thickness of the bending sheet is within 1.5 mm, it is possible to perform positive bending, reverse bending, arc bending, and dead edge bending, The equipment is equipped with a servo system, which has the advantages of environmental protection, high speed, high precision.



Model	STZ03-A2	STZ03-B1	STZ03-B2	STZ03-B2	STZ03-C2	STZ03-D2	STZ03-E2
Maximum bending speed	0.2sec/time	0.2sec/time	0.2sec/time	0.2sec/time	0.3sec/time	0.5sec/time	0.6sec/time
Maximum bending length (mm)	1000*1000	1400*1250	1400*1250	1600*1250	2000*1500	2500*1500	3200*1500
Maximum bending height (mm)	170/210	170/300	170/300	170/300	170/300	170/300	170/210
Feeding method	Compression arm	suction cup	Compression arm				
Lubrication line	copper pipe						
The minimum size of four-sided molding	200*280mm						
The minimum size of unilateral forming	150mm	150mm	150mm	150 mm	150mm	150mm	150mm
Offload detection function	Standard						
Automatic lubrication function	Standard						
Rated voltage	380V						
Maximum bending thickness (mm)	Stainless Steel 1.0	Stainless Steel 1.2					
	Black Steel 1.2	Black Steel 2.0					
	Aluminum 1.5	Aluminum 2.5					
Dimensions(mm) L*W*H	3100*1500*2800	3500*2000*2800	4500*2000*2800	4500*2500*2800	5100*2700*2800	5700*3100*2800	7000*3800*2800

3.High-speed Positive Bending Center

Simpler, faster and leaner operation

If you are looking for a machine that can meet your multi-sided bending needs, the BC series will be your best choice: fully automatic, easy to use. It can bend and process various workpieces with high efficiency and quality.

Based on our rich experience in automated multi-sides bending machine for many years, this new multi-sided bending center can perform flexible bending on the punched and sheared plates, and can automatically complete multi-sides bending with only one positioning; manual operation is only required when loading and unloading. The BC series has a set of universal and universal bending molds, which are controlled by self-developed software.



PRODUCT PARAMETER

Item	unit	BC25	BC30
Plate length min.-max.	mm	270-2500	370-3000
Plate width min.-max.	mm	270-1500	200-1500
Maximum diagonal size	mm	2915	3354
Maximum bending height	mm	220	220
Maximum bending speed (s/knife)	s/c	0.3	0.3
Number of axes	pc	21	21
Work surface height	mm	900±30mm	900±30mm
Angle range	mm	-135~135	-135~135
Conventional bending sheet thickness	Carbon Steel	mm	0.3~2.0
	304 Stainless Steel	mm	0.3~1.5
	201 Stainless Steel	mm	0.3~1.5
	Aluminum Plate	mm	0.3~3.0
Bending process		Automatic tool change	Automatic tool change
Minimum height of bending plate		5 times the plate thickness T	5 times the plate thickness T
Gas consumption	L/min	5	5
Air source pressure	Mpa	50.6	50.6
Dimensions	mm	About: 3800×5000×2200	About: 4500×5000×2200
weight	T	20	24

4. Laser cutting line for coil sheet metal

The coil sheet laser cutting line consists of decoiling, leveling, laser cutting and a belt conveyor, which ensures the one-time completion of the process from the coil to the automatic unloading of the molded sheet and the full automation of the line.

The processing line supports with the coil width of 800, 1250, 1500mm and also can be customized with customer's requirement. Can meet customer's mass and multi processing demands in a flexible way.

Mainly used in automobile manufacturing, home appliance manufacturing elevator sheet metal processing and other industries.

Test materials: cold rolled sheet, hot rolled sheet, stainless steel and other metal sheets.



PRODUCT PARAMETER

ITEM	3013	Remark
Processing area for laser	3000mm×1300mm	Optional width with 800/1300/1500
Coil material processing area	Width 1300 Length unlimited	
Feeding method	Fully closed loop servo feeding	
Gas used	Air	
Cutting platform	Rolling spike cutting platform	Load-bearing capacity: 700kg
Leveling Machine	Precision leveling machine	
Material support frame	Hydraulic	
Laser source	3000W/6000W	
Minimum cutting edge	1mm	
Feeding accuracy	≤±0.05mm	
X/Y axis positioning accuracy	+0.05mm	
X/Y axis repeat positioning accuracy	+0.03mm	
Robot serial port	have	
Maximum positioning speed	12m/min	
sheet width	1300mm/800mm optional	The final national standard shall prevail
Unwinding Machine	Inner diameter 480-530, outer diameter 1300, material weight 10t, tensioning force 35t	The final national standard shall prevail
Loading trolley	Material width 1300, material weight 10t, stroke 300	The final national standard shall prevail

5. Laser cutting machines

SPARK SERIES-OPEN TYPE SINGLE TABLE



Model	SPARK 3015	SPARK 4020	SPARK 6015	SPARK 6020	SPARK 12025
Power	1000-30000W				
Processing size	3000*1500	4000*2000	6000*1500	6000*2000	12000*2500
Maximum speed	120~150m/min				
X Y axis positioning accuracy	±0.03mm				
Repeatability in X-Y axis	±0.01mm				
Maximum acceleration	1.2G~1.5G				

SPARK P SERIES-OPEN TYPE SINGLE TABLE WITH PIPE CUTTING ATTACHMENT



Model	SPARK-3015P	SPARK-4020P	SPARK-6020P	SPARK-6025P
Power	≤12000W			
Maximum diameter of round pipe	Φ 10-225mm			
Maximum diameter of square pipe	□ 10-225mm			
X Y axis positioning accuracy	±0.03mm			
Repeatability in X-Y axis	±0.01mm			

PLUTO SERIES-ENCLOSED DOUBLE EXCHANGEABLE TABLES FIBER LASER CUTTING MACHINE



Model	PLUTO-3015D	PLUTO-3015D	PLUTO-3015D	PLUTO-3015D
Power	3KW-40KW			
Processing size	3000*1500	4000*2000	6000*2000	12000*2500
X Y axis positioning accuracy	±0.03mm			
Repeatability in X-Y axis	±0.01mm			
Maximum acceleration	1.5G			

6.Pipe laser cutting machines (2&3 Chucks)



Model	APOLLO-6020	APOLLO-7025	APOLLO-9025	APOLLO-9034
Power	1500W-6000W			
Chuck quantity	2 or 3			
Diameter	□ 15-175mm φ 15-245mm		□ 50-230mm φ 50- φ 330mm	
X Y axis positioning accuracy	±0.05mm			
Maximum speed	80-100m/min			
Automatic/semi-automatic loading	Optional			
Processed pipe length	6000mm	7000mm	9000mm	9000mm

7.Hand-held Laser Welding & Cleaning Machine



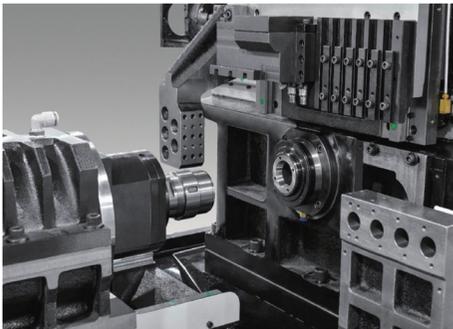
POWER	30W/50W/100W/150W/200W	1500W/2000W/3000W
Laser Type	PULSE	CW/Modulated
Power Range	10-100%	
Frequency	0-100Hz	50-5000
Machine Weight	20-40KG	130-170KG
Scan Range	0mm~145mm, continuously adjustable; Biaxial supporting 8 scanning modes	0mm~8mm(welding) Standard 0~120mm(cleaning ,MAX 200mm)
Handheld fiber cable length	1.5-3m	8-10m
Cooling Method	Air cooling / water cooling	Water cooling
Input voltage	Single Phase 220V±10%,50/60HZ	

8.SA Series-CNC Swiss Type Lathe

SA series is the professional solution for processing small and complex parts . The machine combines sliding tools and turret. Which integrates the multi tools holder, main Spindle tools and Turret with one structure. It can quickly perform turning, milling, drilling, tapping, and side milling operations.

The machine applies Meehanite cast iron construction with internal heavy duty ribbing reduces vibrations and ensures rigidity(Cage structure).Treated to eliminate stress so the machine is free of deformation in long last using.

The bed structure is designed to suit coolant flow direction,which minimizes the possibility of coolant leakage while allowing smooth chip exhaust.



The main specification between different models

ITEM	SA205	SA265	SA206	SA266	SA203	SA263	ST125
Maximum machining diameter	φ20	φ26	φ20	φ26	φ20	φ26	Φ12
Main Axis Maximum Stroke (STANDARD WITH GB)	260MM	260MM	255MM	255MM	255MM	255MM	85MM
Turning Tools Quantity	6	6	6	6	6	6	6
Turning Tools Model	□12	□12	□12	□12	□12	□12	□10
End surface processing (front-end and Rear-end working)	5+(2/5)	5+(2/5)	5+(2/5)	5+(2/5)	5+(2/5)	5+(2/5)	3
Horizontal rotation tools Quantity	5	5	5	5	5	5	3
Horizontal rotation max drilling	φ8mm	φ8mm	φ8mm	φ8mm	φ8mm	φ8mm	Φ6mm
Horizontal rotation max tapping	M6*P1.0	M6*P1.0	M6*P1.0	M6*P1.0	M6*P1.0	M6*P1.0	M6*P1.25
Horizontal rotation max milling	Φ10mm	Φ10mm	Φ10mm	Φ10mm	Φ10mm	Φ10mm	Φ8mm
Fast moving speed	32m/min						
Main spindle motor	2.2/3.7kw	2.2/3.7kw	2.2/3.7kw	2.2/3.7kw	2.2/3.7kw	2.2/3.7kw	1.5/2.2kw
Main spindle Through hole diameter	Φ22mm	Φ27mm	Φ22mm	Φ27mm	Φ22mm	Φ27mm	Φ14mm
Sub Spindle attachment for back processing tools quantity	4-6	4-6	8	8			4
Machine weight	Around 2600kgs	Around 2600kgs	Around 2600kgs	Around 2600kgs	Around 2000kgs	Around 2000kgs	Around 1900kgs

Example of samples

