

Cold Forming Steel Machine

I. Introduction

The rolling plate in certain width is unfolded and leveled. Then, they are sent in to the forming machine. The steel plate is bent to be the needed form in the cold conditions by using the roller.

According to the different products, the cold forming steel mills are divided into square pipe mill, steel sheet pile mill, and other kinds of mills.

Square pipe mill mainly produces the rectangular pipes, all kinds of which in the range of roller production specifications can be achieved by using direct forming tectonics and the assisted high frequency welding machine.

Steel sheet pile mill mainly produces the steel sheet pile by adopting piecewise arc flexible forming technology. Steel sheet pipe mill in our company has reached the top level all around the world.

Other models can produce U-steel, C-purling and other steels by changing the roller.

II. Main projects and clients

No.	Equipment name	Client	Remark
1	70×70 ~ 200×200×10 round and rectangular pipe production line	Shandong Taian Kenuo shaped steel Co., Ltd	
2	LW1250×14 round pipe, rectangular pipe, and cold forming integrated mill	Pangang group Kuming steel pipe plant	X70 level
3	80×80 ~ 200×200×12.7 rectangular pipe mill	Tianjin Yingbo business Co., Ltd	
4	50×50~150×150 rectangular pipe mill	Tianjin Yingbo business Co., Ltd	
5	250×250×12mm rectangular pipe production line	Wuxi Yulong precision steel pipe Co.,Ltd	
6	3000×3000×13mm square pipe production line	Wuxi Yulong precise steel pipe Co., Ltd	
7	LW1250×12.7 steel sheet pile	Malaysia	Export

	production line		project
8	LW1400×14 cold forming steel production line	Tianjin Haosheng steel pipe Co., Ltd	
9	LW1600×16 cold rolling pipe mill	Wulumuqi Kainaer import& export trade Co., Ltd	Export project
10	1400×14mm heavy-duty cool forming steel mill	Oulingte (Shanghai) heavy cold rolling Co., Ltd	

III. Typical projects

1. Wuxi Yulong Precious Steel Pipe Co., Ltd (300x300x13 square pipe mill)

The mill is designed and manufactured by our company with advanced technology for Wuxi Yulong Precious Steel Pipe Company. The mill adopts full auto flexible forming (F.F.X forming), uses direct forming technics, and realizes all kinds of the range of roller production specification. There are series of advantages such as less investment, quick working effect, convenient adjustment, easy operation, high efficiency and so on.

2. Shanghai Oulingte Steel Plate Co., Ltd (1400x14 cold forming steel mill)

The mill is designed and manufactured by our company with advanced technology for Shanghai Oulingte Steel Plate Company. The mill adopts piece arc flexible forming technology. There are series of advantages such as good quality, long life, convenient adjustment, easy operation, high efficiency and so on.

IV. Production process

Loading coil – uncoiling-leveling-cutting and coil welding-forming machine-welding-water cooling- sizing-flying cut off-finished products connection

V. Available types

No	Model	specification	Sheet thickness (mm)	Coil weight(ton)	Speed(m/min)	Capacity (kw)	Area(M ²)
1	LWJZ-200	Square pipe 20×20 ~ 50×50	1~3	5	20~80	~700	18×100
2	LWJZ-400	Square pipe 50×50 ~ 100×100	2~8	5	20~80	~900	18×100

3	LWJZ-600	Square pipe 60×60 ~ 150×150	2~10	10	20~60	~1700	21×100
4	LWJZ-800	Square pipe 80×80 ~ 200×200	2.5 ~ 12.7	15	20~40	~1800	21×130
5	LWJZ-1050	Square pipe 100×100 ~ 250×250	3~14	20	15~30	~2800	21×150
6	LWJZ-1250	Square pipe 120×120 ~ 300×300	3~16	30	10~25	~3600	21×160
7	LWJZ-1400	Square pipe 150×150 ~ 350×350	4~18	30	8~20	~3800	24×210
8	LWJZ-1600	Square pipe 200×200 ~ 400×400	4~20	30	8~20	~4100	24×240
9	LWJZ-2000	Square pipe 250×250 ~ 500×500	4~22	40	8~20	~4500	24×260