



Automatic flat head machine

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今天的质量明天的市场

Today's Quality, Tomorrow's Market

COMPANY PROFILE

企业简介

Shijiazhuang Tengdi Machinery Trading Co., Ltd., located in Shijiazhuang, the capital of Hebei Province, is a high-tech enterprise integrating design, research, production, sale and service and is committed to providing reliable products and service to global customers since the first of day of incorporation. Having been certified by ISO9001, TENGDI supplies ERW pipe mill, slitting line, and cut to length line, which have passed the certification of CE and SGS.

There is a stable and strong technical team, including 30 engineers and 6 senior engineers. Following the concept of independent innovation, the team has optimized and absorbed the essence of China's machinery manufacturing industry, while referring to advanced foreign technologies to design a series of production lines with simple operation and convenient maintenance, which will help our customers to realize the dream of low investment and high return.

During the past years, TENGDI team has accumulated rich experience in negotiation, and can timely and accurately understand the specific needs of investors. We can also rely on our comprehensive capabilities to meet the diversified needs of investors. As a result, TENGDI has won unanimous praise from clients, and has gradually grown into an important supplier for global customers.

Following the international strategy, TENGDI has set up three overseas offices serving customers in 50 countries and regions in Middle East, Eastern Europe and South America. The products are widely used in oil pipeline, steel structure, low-pressure fluid, automobiles and furniture.

In the future, TENGDI will adhere to the tenet that "today's quality is tomorrow's market" to cultivate the famous brand of TENGDI MACHINERY so that the world will love what is made in China.

石家庄腾迪机械设备有限公司位于河北省会石家庄，是一家集设计研发、生产销售和服务于一体的高新技术企业，成立伊始，一直致力于为全球客户提供可靠的产品和服务。公司通过了ISO9001认证。腾迪的主要产品有ERW焊管生产线、带钢卷纵剪线、横切线等，产品通过了CE认证、SGS认证。

腾迪拥有一支稳固、强大的技术团队。工程师30余人，高级工程师6人。技术团队遵循公司自主创新的先进理念，优化吸收了中国机械制造业之精华，同时借鉴国外先进技术，设计了一系列操作简单、维护方便的生产线。为客户实现了低投资，高收益的梦想。

经过多年的发展，腾迪团队积累了丰富的谈判经验，能够及时准确地了解投资者的具体需求，并利用腾迪的综合实力来满足投资者的多样化需求。因此，腾迪赢得了用户的一致好评，并逐渐成长为全球客户的重要供应商。

腾迪实施国际化战略，在海外设立了三个办事处，服务于中东、东欧、南美等50个国家和地区的客户。产品广泛应用于石油管道、钢结构、低压流体、汽车、家具等行业。

在未来发展中，腾迪将继续以“今天的质量，明天的市场”为宗旨，打造腾迪机械知名品牌形象。让世界热爱中国造！

ENTERPRISE QUALIFICATION

企业资质



Honor comes from hard work.

Each recognized qualification certificate is the crystallization of our hard work, and each honor is a signpost and a journey.

We will also take each honor as a starting point, and continue to forge ahead and surpass ourselves.

The team independently developed and obtained more than 20 patents, passed ISO9001 quality management system certification and environmental management system certification.

荣誉源于用心。

每一份认可的资质证书都是凝聚我们奋力拼搏的结晶, 每一份荣誉都是一个路标, 一次历程。

我们也将以每次荣誉为起点, 不断锐意进取, 超越自我。

团队自主研发获得20多项专利, 通过ISO9001质量管理体系认证, 环境管理体系认证。

ADVANTAGES

优势特点

LONG LIFE

使用寿命长

LESS TOOL CHANGES

换刀次数少

CONVENIENT MAINTENANCE

维修方便

GOOD STABILITY

稳定性好

DURABLE

持久耐用

1. The tool feed system is designed with a reinforced spindle box.
2. The linear guide rail adopts Taiwan Shangyin, and the distance between the guide rails is increased.
3. The design structure of the cutter head can use the formed CNC cutter to reduce the number of tool changes and improve the operating rate.
4. The lateral movement adopts servo control, the idle stroke is accelerated, and the pipe is approached to the branch position to wait for the hooking and dropping of the pipe at a slow speed to prevent the pipe from moving in series.
5. The touch screen adopts the design of industrial control all-in-one machine, which can record the number of tool changes at any time, detect 4-6 fault points, and facilitate maintenance.
6. The cutter head has the functions of flat head and chamfering, and it can be completed at the same time.
7. The transmission shaft adopts a sandwich structure, which is installed and positioned precisely, and improves the overall durability of the traverse.
8. Equipped with a proximity switch for loose clamp detection to prevent the clamping cylinder from malfunctioning and causing accidents.
9. The parameters of multi-standard steel pipes can be set. When changing the specifications, the operator does not need to reset the parameters every time, just select the specifications.
10. The feed ball screw adopts Taiwan Shangyin 63-10, which is durable.

- 1.采用加强主轴箱设计进刀系统；
- 2.直线导轨采用台湾上银，导轨间距加大，导轨选型65-100，型号加大，提高使用寿命；
- 3.刀盘设计结构，可以选用成形数控刀，减少换刀次数，提高开机率；
- 4.横移采用伺服控制，空行程加快，接近分管位等待勾管和落管慢速，防止管串动；
- 5.触摸屏采用工控一体机设计，随时记录换刀次数，检测4-6个故障点，方便维修；
- 6.刀盘具备平头和倒棱多功能，具备同时平头和倒棱一次完成；
- 7.传动轴采用夹壳结构，安装定位精准，提高横移整体耐用性；
- 8.配备松夹检测接近开关，防止夹紧气缸误动作，造成事故；
- 9.可设置多规格钢管参数，更换规格时，操作人员不用每次重新设置参数，选择规格就可以；
- 10.进刀滚珠丝杠采用台湾上银63-10，持久耐用。

EQUIPMENT COMPOSITION AND FUNCTION

设备组成及功能

Transfer stepping system

移送步进系统

Transfer stepping system

移送步进系统

Including automatic branching and automatic pushing system. The steel pipes on the inlet cooling bed will be automatically transported to the position of leveling and flat chamfering, and then the steel pipes with flat chamfering will be transferred to the outlet cooling bed.

含自动分管和自动推齐系统。将入口冷床上的钢管自动运送到推齐和平头倒棱位置，再将平头倒棱完成的钢管移到出口冷床上。

Flat head chamfering machine tool

平头倒棱机床

Flat head chamfering machine tool

平头倒棱机床

Including cutter head motor, clamping system, servo feed control system, can be installed with three internal and external chamfering and flat head knives. Finish the flat end and chamfer at the same time.

含刀盘电机、夹紧系统，伺服进刀控制系统，可安装内外倒棱和平头的三把刀。同时完成平头和倒棱。

Electric control system

电控系统

Electric control system

电控系统

Including power cabinet and console. Omron PLC control, 10 inch Buke touch screen man-machine interface. Set the feed amount and feed speed of flat head chamfering, and select the specification. 2 cutter head frequency converters (major domestic brands), 1 transfer stepping servo controller (Weichuang), 2 feed servo controllers (Weichuang), feed reducer and ball screw (2 sets).

含动力柜和操作台。欧姆龙PLC控制，10寸步科触摸屏人机界面。设置平头倒棱进刀量和进刀速度，规格选择。刀盘变频器2台（国内大品牌），移送步进伺服控制器1台（伟创），进刀伺服控制器2台（伟创），进刀减速机和滚珠丝杠（2套）。

PARAMETER DESCRIPTION

参数描述

平头机规格 Flat head machine specification (mm)	平头范围 Flat head range (mm)	平头倒棱机范围 Range of flat head chamfering machine (mm)	平头倒坡口范围 Range of flat end chamfer (mm)
50	20-50	20-50	
76	42-76	32-76	
89	50-89	42-89	
114	76-114	60-114	
140	89-140	76-140	
165	114-165	89-165	
219	114-219	114-219	114-219
273	165-273	140-273	140-273
355	219-355	165-355	165-355
406	219-406	219-406	219-406
508	219-508	219-508	219-508

Flat head machine, flat head chamfering machine, chamfering machine Technical proposal and quotation basis

1. Differences among flat head machine, flat head chamfering machine and chamfering machine:

1.1 Flat head machine: specially used for flat head and deburring of pipe orifice, applicable to pipe diameter below 219. Generally, it is station 2 and station 3.

1.2 Flat head chamfering machine: for flat head and internal and external chamfering of pipe orifice, the pipe orifice is in trapezoidal structure, and the general chamfer is 30-35°, which is applicable to pipe diameter below 219. They are generally stations 1, 2 and 3.

1.3 Chamfering machine: for large pipes, thick wall pipe orifices are chamfered to facilitate butt welding of two steel pipes. Two knives are required for chamfering, one is flat and the other is external chamfering. It is generally used for straight seam welded pipe with wall thickness of 8-25 and outer diameter of 273-508.

2. API standard beveling machine requires that the flatness deviation of pipe end face is less than 0.8-1.5mm. That is, the thickness of the plane is less than 0.8-1.5mm, and the deviation varies according to the outer diameter and wall thickness.

3. Scheme and quotation basis of flat head machine, chamfering machine and chamfering machine: **outer diameter range, material range, wall thickness range, length range, flat head, chamfering and groove options.**

平头机、平头倒棱机、倒坡口机技术方案和报价依据

1. 平头机、平头倒棱机、倒坡口机的区别:

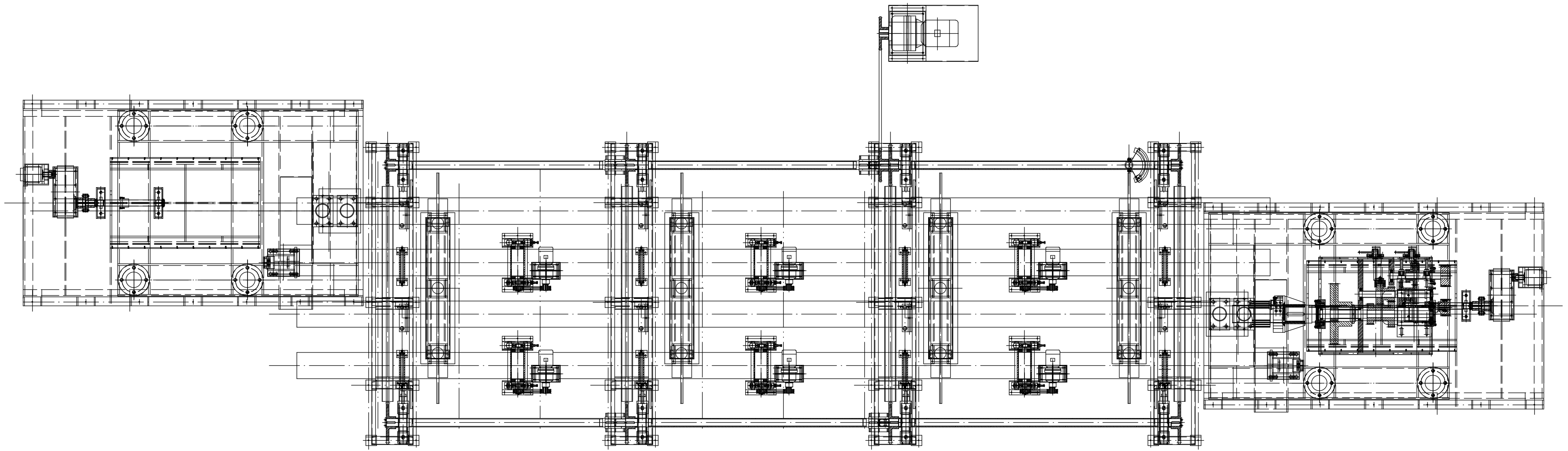
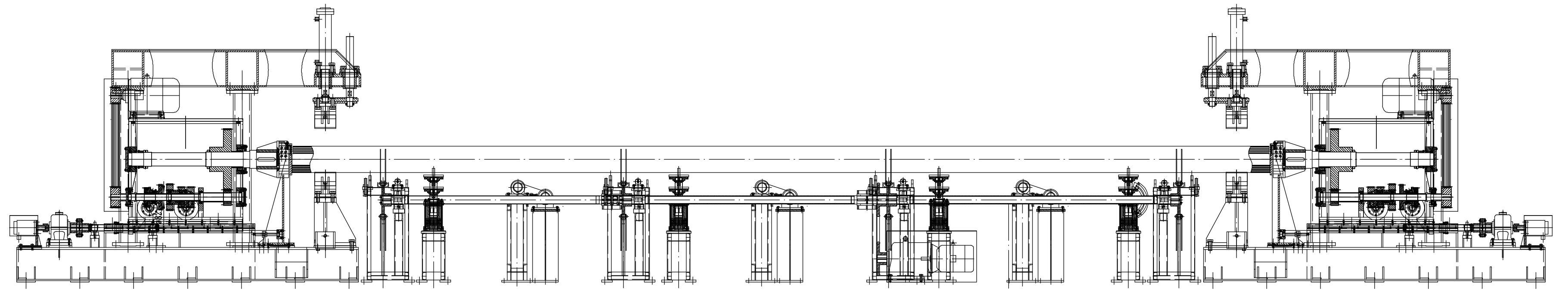
1.1平头机:专门对管口平头,去毛刺,适用于管径219以下。一般为2、3工位。

1.2平头倒棱机:对管口平头和内外倒角,管口成梯形结构,一般倒角为30-35°,适用于管径219以下。一般为1、2、3工位。

1.3倒坡口机:对大管,厚壁管口倒外坡口,目的是两根钢管对接焊接方便。倒坡口需要两把刀,一个平口,一个倒外角。一般用于壁厚8-25,外径273-508直缝焊管。

2.API标准倒坡口机,要求管端面平口偏差小于0.8-1.5mm。即平面的厚度小于0.8-1.5mm,根据外径和壁厚不同,偏差有区别。

3.平头机、倒棱机、倒坡口机做方案和报价依据: **外径范围、材质范围、壁厚范围、长度范围、平头、倒棱、坡口选项。**



PRODUCT DISPLAY

产品展示



SOLD KOREAN

STAINLESS STEEL CHAMFERING MACHINE

出口韩国不锈钢倒棱机



THANKS

TENGDI LOOKS FORWARD TO YOUR JOINING



TENGDI