

Feihong Roller Shrinking Machines Catalog

滚压式缩管设备目录

Zhaoqing Feihong produce quality roller shrinking machinery for heating elements, we make 8 stations to 18 stations group roller shrinking machines, these rolling mill shrinking machine widely use in tubular heaters reducing, hot runner heater reducing, industrial heater reducing, cartridge heater reducing.

Size to reduce for Feihong roller reducing machines from 1.5mm to 45mm, suitable for variety materials, such as SS material heaters, copper material heaters, iron material heaters...

The length of heating element >30mm are ok to reducing by Feihong roller reducing machines.

Round shape heaters, square shape heaters, oblate shape heaters or flat shape heaters can reduced by Feihong rolling shrinking machinery.

Feihong roller shrinking machine can make in one whole cast iron machine, or separate machine with roll assemble can be changed.

Speed of the reducing machines can make in same speed or different speed, such as 3 -25 meters per min according to customers' products.

肇庆市飞虹机电设备有限公司生产的滚压式缩管机覆盖民用电热管，工业电热管，热流道电热管，单头管电热管生产中机器有 8 组，10 组，12 组，14 组，16 组和 18 组缩管机，缩减规格可缩 1.5mm - 45mm 不同材质的电热管，长度范围 30mm-无限长均可，可缩圆管，方管，扁管或者椭圆管。

可选择整体铸造或者分体组合型缩管机，电机速度可做等速或者不等速，每分钟缩 3 米-25 米不等，根据客户产品要求定做。



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9 Reason why choose Feihong Roller Reducing Machines 九个理由为什么选择飞虹的缩管机

1. Variety different styles reducing machine, suitable for different sizes heating elements, widely use in different heating elements producing. 品种多, 规格多, 适应范围广

a. We make mini-reducing machine, popular reducing machine, with small gearbox reducing machine, normal gearbox reducing machine and bigger reducing machine. 紧凑型、市场通用型、改良板、升级型、加强型;

b. Suitable for different material heating elements in 1.5mm to 45mm. 适应范围广: 缩管直径由 1.5mm--45mm 不同材质的发热管;

c. Single motor power can make in 0.55kw - 2.2kw 单组功率范围广; 由 0.55KW---2.2KW 均可;

d. Length to reduce: >30mm; 缩管长度: 由 30mm--无限长不等;

e. Machine structure: separate + combination machine and whole machine in cast 机器结构, 有分体组合、有整体铸造;

2. Separate + combination machine: Roll assemble is whole cast structure, which make sure the accuracy same as the whole machine in cast. The whole machine is combined by the roll assemble + body of the machine, suitable for one machine to change different roll assemble when need to reduce different diameters. To change roll assemble, will avoid problem to change rollers too often, and accuracy of the machine will be lower when change rollers and adjust too often. To change roll assemble is easy, quick and make sure the accuracy of the machine.

分体组合结构特点: 其中轧辊总成是铸造整体结构的, 保证了机器的精度与整体铸造机型的精度是一至的; 轧辊总成与机座配合成整机, 适合 1 机换多组不同规格的总成, 减小换规格时因频繁换模具而降低机器的精度; 分体组合机, 确保精度, 灵活、多变。

3. Whole machine in cast: Suitable for one machine for one diameter reducing. Change the rollers too often will make the accuracy of the machine lower, and increase workers' job to change rollers.

整体铸造机型: 适合 1 机 1 种规格的原理; 频频换规格的拆、装, 会降低机器的精度, 同时增加工人装、拆 模具的工作时间。

4. Feihong transmission structure: use double drive universal shaft same as cars, which reduce the additional load generated by the shaft and motors, meanwhile, they can complementary with each other, to ensure the connected two shafts can run evenly, and high transmission efficiency, long service life, and easy maintenance.

特色传动结构: 采用汽车双传动万向轴结构, (特点) 使之起到减小轧辊轴与减速机 (电机轴) 产生的附加附荷, 同时使 2 者之间有着互补作用, 保证所连接两轴能均匀运转, 使之传动效率高, 使用寿命长, 结构简单, 维修容易。

5. Speed of motor: same speed, different speed, according to customers products to customized the reducing machines.

电机 (马达速度): 匀速、不等速, 客户可根据产品需要而量身定做。

6. Speed of the machine, can make from 3 - 25 meters per min, according to customers products to customized the reducing machines.

机器速度, 可由每分钟 3 米—25 米不等, 可根据客户同产品的需要而定。

7. Shape and styles of elements to reduce: tubular heaters, cartridge heaters, industrial heaters, hot runner heaters, square pipes, round pipes, oval pipes and flat pipes etc.

缩管管状: 双头加热管、单头工业管、热流道小方管、圆管、扁管、椭圆等。

8. Transmission (motors) long time guarantee: some machines' motor guarantee 10 years.

传动保质期超长, 部分机型最长免费保用 10 年。

9. Since 1992, about 30 years in this field, deal with factory directly, quality warranty.

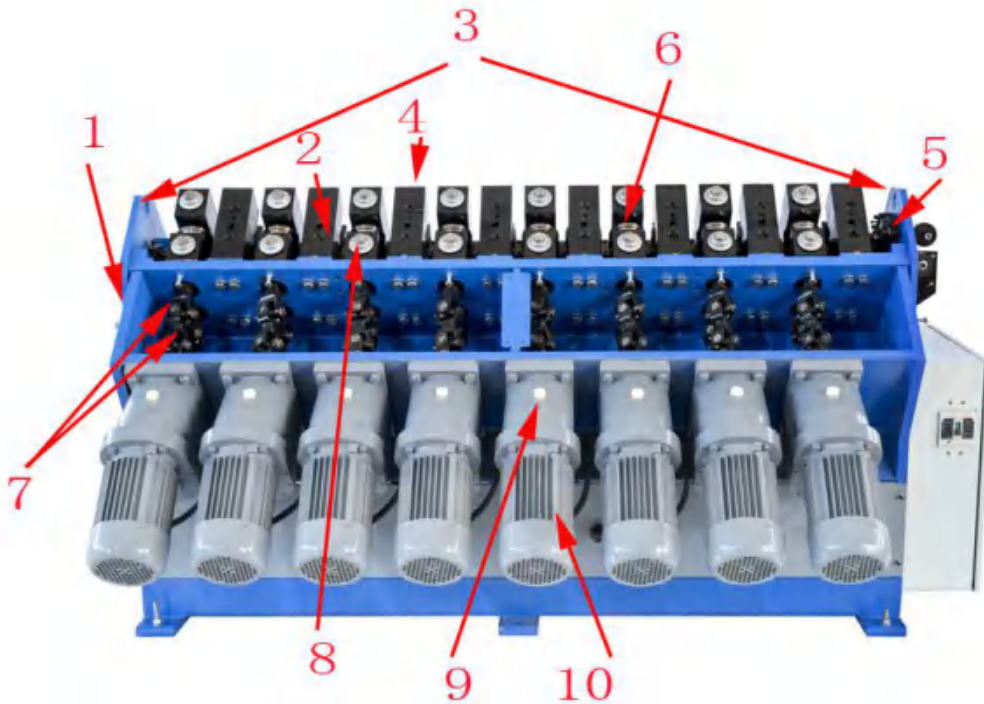
近 30 年老厂, 厂家直销, 质量保证。

Main structure of reducing machine 缩管机主要结构

The main bearing adopts imported type bearing (TLRIKO) to ensure the precision and durability of the machine; the details parameters refer below:

主要轴承采用进口型号轴承（TLRIKO），确保机器精度、耐用；具体参数细节如下：

1. Separate + combination machine or Whole machine in cast 分体组合机型，整体铸造机型；
2. Roll assemble 轧辊总成；
3. Quick to change roll assemble and the holes to take 快速更换轧辊总成起吊处；
4. Whole axle box by wire-electrode cutting 线割整体轴承座；
5. Straightening assembly 调直总成；
6. Roller 模具；
7. Upper gimbal and Lower gimbal;上万向轴；下万向轴；
8. Roller shaft + gimbal + shaft of motor in one line 轧辊轴+万向轴+电机轴成一直线；
9. Multi-group gear reducer 多组齿轮减速箱；
10. Large KW motor 大功率电机。



Above are the structure for the reducing machine for refer 以上为缩管机各结构明细图

对于细节的追求，我们抱有虔诚之心，越简单，越时尚，把心思放在细节之处，看得见的用心。

Below are the detailed parameters of each style shrinking machine, Pics and parameters are for refer only.
(Actual machine on base of data when order confirm)

以下为缩管机各型号明细参数，图片和参数仅供参考（具体机器以订单确认为准。）

1. Mini-Reducing machine 紧凑型缩管机

This mini-reducing machine is specially design for hot runner heater reducing, the machine in small volume, few noise, high accuracy. Suitable for reducing heating elements, square heating elements, oval heating elements, flat shape heating elements.

此款机器主要是针对生产热流道发热管缩管工序而设计制造的小型缩管机，体积小，噪音小，高精度；可缩圆管、方管、椭圆管、扁管等形状。



Mini-reducing machine Center distance:95mm

紧凑精密型 中心距：95mm

item 型号	8Group	10 Group	12 Group	14 Group	16 Group	18 Group
FH-SG-A1	8 组	10 组	12 组	14 组	16 组	18 组
length to reduce (mm) 最佳缩管管长(mm)	/	order 订货	30-2000 in stock 30-2000 现货	order 订货	order 订货	order 订货
Diameter to reduce (mm) 最佳缩管管径(mm)	/	/	1.5-8	/	/	/
Material of roller 模具材质	/	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢
Single power/total power (KW) 单组功率/总功率(KW)	/	0.55/5.5	0.55/6.6	0.55/7.7	0.55/8.8	0.55/9.9
Reducing speed (m/min) 缩管速度: (m/min)	/	10-20 Optional 10-20 可选	10-20 Optional 10-20 可选	10-20 Optional 10-20 可选	10-20 Optional 10-20 可选	10-20 Optional 10-20 可选
Transmission structure (gimbal) 传动结构 (万向轴)	/	Car transmission 汽车传动	Car transmission 汽车传动	Car transmission 汽车传动	Car transmission 汽车传动	Car transmission 汽车传动
Transmission (motors) warranty 传动保质期(减速电机)	/	/	2 years 2 年	/	/	/
Machine structure 机器结构	/	Separate 分体	Whole/separate 整体/分体	Whole/separate 整体/分体	Whole/separate 整体/分体	Whole/separate 整体/分体
Net Weight 净重 (KG)	/	1200	1400	1600	1800	2000
Volume (L*W*H) mm 体 积 (长*宽*高) mm	/	1200*1100* 1250	1400*1100* 1250	1600*1100* 1250	1800*1100* 1250	2000*1100* 1250

2. Popular reducing machine in the market (in sales promotion) 市场通用型缩管机 (促销机)

This series reducing machines is for tubular heater reducing , which in small diameters and length in short. (Because the transmission is simple, so not recommend for large diameter or long heating elements reducing)

此款机器主要是针对民用发热管管径小而短的缩管工序而设计制造的中型缩管机，（由于传动结构简单，不宜缩大管径、长管）。



Popular reducing machine in the market Center distance: 105mm 市场通用型缩管机 中心距: 105mm

Item 型号	8Group	10 Group	12 Group	14 Group	16 Group	18 Group
FH-SG-A2	8 组	10 组	12 组	14 组	16 组	18 组
length to reduce (mm) 最佳缩管管长 (mm)	30-1500	30-1500	30-2000	30-2000	30-2500	30-2500
Diameter to reduce (mm) 最佳缩管管径 (mm)	1.5-8	1.5-10	1.5-12	1.5-12	1.5-12	1.5-12
Material of roller 模具材质	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢
Single /total power 单组功率/总功率 (KW)	0.75/6	0.75/7.5	0.75/9	0.75/10.5	0.75/12	0.75/13.5
Reducing speed 缩管速度: (m/min)	10-20 Optional 10-20 可选	10-20 Optional 10-20 可选	10-20 Optional 10-20 可选	10-20 Optional 10-20 可选	10-20 Optional 10-20 可选	10-20 Optional 10-20 可选
Transmission structure (gimbal) 传动结构 (万向轴)	Car transmission 汽车传动	Car transmission 汽车传动	Car transmission 汽车传动	Car transmission 汽车传动	Car transmission 汽车传动	Car transmission 汽车传动
Transmission (motors) warranty 传动保质期(减速电机)	1 year 1 年	1 year 1 年	2 year 2 年	2 year 2 年	3 year 3 年	3 year 3 年
Machine structure 机器结构	Separate 分体	Separate 分体	Whole/separate 整体/分体	Whole/separate 整体/分体	Whole/separate 整体/分体	Whole/separate 整体/分体
Volume (L*W*H) mm 体 积 (长*宽*高) mm	995*1200* 1300	1200*1200* 1300	1415*1200* 1300	1630*1200* 1300	1840*1200* 1300	2050*1200* 1300
Net Weight 净 重 (KG)	1000	1200	1600	1800	2000	2200

3. Reducing machine with small gearbox 缩管机改良版

This reducing machine is improved on base of the popular reducing machine in the market, which easy to damage the lack of the motor,we increase one pair bridge gear, and double gimbal is used to connect the motor and the roller shaft. In this way, the machine will drive equally,torque is increased, so the force of the motor and roller shaft will be less, which will protect the motor, and motor in longer life.

此款机器主要是针对“通用型”缩管机单轴传动，容易损坏电机的不足，增加了1对过桥双轴齿轮，中间用双万向轴连接电机与轧辊轴，使机器平行传动，扭距增大，从而减少电机与轧辊轴的直接受力，起到保护作用。



Reducing machine with small gearbox Center distance: 115mm 改良型缩管机 中心距: 115mm

Item 型号	8Group	12 Group	14 Group	16 Group	18 Group
FH-SG-A	8 组	12 组	14 组	16 组	18 组
length to reduce (mm) 最佳缩管管长 (mm)	30-1500	30-2000	30-2000	30-2500	30-2500
Diameter to reduce (mm) 最佳缩管管径 (mm)	1.5-12	1.5-16	1.5-118	1.5-20	1.5-22
Material of roller 模具材质	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢
Single power/total power (KW) 单组功率/总功率 (KW)	0.75/6	0.75/9	0.75/10.5	0.75/12	0.75/13.5
Reducing speed (m/min) 缩管速度: (m/min)	10-20 Optional 10-20 可选	10-20 Optional 10-20 可选	10-20 Optional 10-20 可选	10-20 Optional 10-20 可选	10-20 Optional 10-20 可选
Transmission structure (gimbal) 传动结构 (万向轴)	Car transmission 汽车传动	Car transmission 汽车传动	Car transmission 汽车传动	Car transmission 汽车传动	Car transmission 汽车传动
Transmission (motors) warranty 传动保质期(减速电机)	5 year 5 年	5 year 5 年	5 year 5 年	5 year 5 年	5 year 5 年
Machine structure 机器结构	Separate 分体	Whole/separate 整体/分体	Whole/separate 整体/分体	Whole/separate 整体/分体	Whole/separate 整体/分体
Net Weight 净重 (KG)	1400	1800	2000	2200	2400
Volume (L*W*H) mm 体积 (长*宽*高) mm	1300*1500 *1300	1750*1500 *1300	2000*1500 *1300	2250*1500 *1300	2500*1500 *1300

3. Normal gearbox reducing machine 缩管机升级版缩管机

The transmission of this roller reducing machine is mainly designed for large diameter and long heating elements. The gearbox uses multiple sets of gears, connect with motor, to set up a group of gear reduction motors with large torque. Which will avoid when shrink large heater or long heaters, transmission is not strong enough or the motor easily damaged. Between the motor and roller shaft, it connected with gimbal, in this way, the machine will driven smoothly, and torque is increased, so the direct force to the motor and roller shaft will be lower, which will protect the motor.



此款机器的传动，主要是针对大管径，长管而设计的传动结构；减速箱采用多组大毛数齿轮组合，连接电机，型成1组大扭距的齿轮减速电机，这就避免了缩大管、长管而经常发生的传动不够力或容易损坏电机的烦恼。中间用双万向轴连接电机与轧辊轴，使机器平行传动，扭距增大，从而减少电机与轧辊轴的直接受力，起到保护减速电机的作用。

Normal gearbox reducing machine Center distance: 115mm 传动升级版缩管机 中心距 115mm

Item 型号	8 Group	10 Group	12 Group	14 Group	16 Group	18 Group
FH-SG-B	8 组	10 组	12 组	14 组	16 组	18 组
length to reduce (mm) 最佳缩管管长(mm)	30-1500	30-2000	30-3000	30-4000	30-5000	30-6000
Diameter to reduce 最佳缩管管径(mm)	3-15	3-18	3-20	3-25	3-30	3-30
Material of roller 模具材质	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢
Single power (KW) 单组功率/总功率(KW)	1.1	1.1	1.1/1.5	1.1/1.5/2.2	1.1/1.5/2.2	1.1/1.5/2.2
Total power (KW) 总功率(KW)	Single power * Group 单组功率*段数	Single power * Group 单组功率*段数	Single power * Group 单组功率*段数	Single power * Group 单组功率*段数	Single power * Group 单组功率*段数	Single power * Group 单组功率*段数
Transmission structure (gimbal) 传动结构(万向轴)	Car transmission 汽车传动	Car transmission 汽车传动	Car transmission 汽车传动	Car transmission 汽车传动	Car transmission 汽车传动	Car transmission 汽车传动
Reducing speed (m/min) 缩管速度: (m/min)	10-20 Optional 10-20 可选	10-20 Optional 10-20 可选	10-20 Optional 10-20 可选	10-20 Optional 10-20 可选	10-20 Optional 10-20 可选	10-20 Optional 10-20 可选
Transmission (motors) warranty 传动保质期(减速电机)	10 years 10 年	10 years 10 年	10 years 10 年	10 years 10 年	10 years 10 年	10 years 10 年
Machine structure 机器结构	Separate 分体	Separate 分体	Whole/separate 整体/分体	Whole/separate 整体/分体	Whole/separate 整体/分体	Whole/separate 整体/分体
Volume (L*W*H) mm 体 积 (长*宽*高) mm	1300*1700 *1300	1550*1700 *1300	1750*1700 *1300	2000*1700 *1300	2250*1700 *1300	2500*1700 *1300
Net Weight 净 重 (KG)	1500	2000	2500	3000	3500	4000

4. Bigger reducing machine 缩管机加强版

Compare with our normal gearbox reducing machine, this machine is larger and stronger. Such as the body of the machine, gimbal, shaft, gearbox, motor power... The speed of the machine usually in 2-15 meters per min, transmission of the machines mainly designed for large diameter elements, high density element and long elements. The gearbox uses multiple sets of gears, to set up a group of gear reduction motors with large torque. Which will avoid when shrink large heater or long heaters, transmission is not strong enough or the motor easily damaged. Between the motor and roller shaft, it connected with larger gimble, in this way, the machine

will driven smoothly, and torque is increased, so the direct force to the motor and roller shaft will be lower, which will protect the motor.

此款机器，无论从结构、机体、万向轴、轴承、齿轮箱、电机功率等，都是加粗、加大的；转速：每分钟：2-15米不等 主要是针对大管径，密度大，长管而设计的传动结构；减速箱采用多组大毛数齿轮组合，连接电机，型成1组大扭矩的齿轮减速电机，这就避免了缩大管、密度大，长管而经常发生的传动不够力或容易损坏电机的烦恼。中间用加强型双向万向轴连接电机与轧辊轴，使机器平行传动，扭距增大，从而减少电机与轧辊轴的直接受力，起到保护减速电机的作用。



Bigger Reducing machine Center Distance: 135mm 缩管机加强版 中心距 135mm

Item 型号	8 Group	10 Group	12 Group	14 Group	16 Group	18 Group
FH-SG-BD	8 组	10 组	12 组	14 组	16 组	18 组
length to reduce (mm)	200-no limit 200—无限长	200-no limit 200—无限长	200-no limit 200—无限长	200-no limit 200—无限长	200-no limit 200—无限长	200-no limit 200—无限长
Diameter to reduce 最佳缩管管径(mm)	5-18	8-25	8-30	8-35	8-40	8-45
Material of roller 模具材质	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢	tungsten carbide, high speed steel, Cr12Mov 合金, 高速钢, 模具钢
Single power (KW) 单组功率/总功率	1.1/1.5/2.2	1.1/1.5/2.2	1.5/2.2	1.5/2.2	1.5/2.2	1.5/2.2
Total power (KW) 总功率(KW)	Single power * Group 单组功率*段数	Single power * Group 单组功率*段数	Single power * Group 单组功率*段数	Single power * Group 单组功率*段数	Single power * Group 单组功率*段数	Single power * Group 单组功率*段数
Reducing speed 缩管速度: (m/min)	2-20 Optional 2-20 可选	2-20 Optional 2-20 可选	2-20 Optional 2-20 可选	2-20 Optional 2-20 可选	2-20 Optional 2-20 可选	2-20 Optional 2-20 可选
Transmission structure (stronger gimbal) 传动结构 (加强型双向万向节)	Car transmission 汽车传动	Car transmission 汽车传动	Car transmission 汽车传动	Car transmission 汽车传动	Car transmission 汽车传动	Car transmission 汽车传动
Net Weight 净重(KG)	2300	3000	3600	4200	4800	5300
Volume (L*W*H) mm 体积 (长*宽*高) mm	1200	160	1900	2400	2700	3000

Hot Sell Machines 热销产品



SG Roll Reducing Machine SG 缩管机

To reduce different styles heaters, Feihong make tube reducing machines from 8-18 stations. Suitable to reduce heating elements from 1.5-45mm, in round, flat, oval, square shape. Widely use in tubular heaters, cartridge heaters, hot runner heaters, industrial heaters production.

飞虹生产 8-18 段缩管机，满足不同元件的缩管减径，管径范围 1.5-45mm 不等，可缩圆管，扁管，椭圆管，方管等形状，广泛应用于管状电热管，单头电热管，热流道发热管，工业电热管缩管中。



FM 6-48 (PLC) Filling Machine FM6-48 PLC 加粉机

Our filling machine can make install 1-6 different diameters on one machine, length custom to order according to requirement, filling length in 300-8000mm can be customized.

飞虹的加粉机可一机同时装 1-6 个规格管径的电热管，长度根据订单定做，填充长度在 300-8000mm 均可。



Tubular Heater Bending Machine 电热管弯管机

According to different style heaters, we make different tube bending machine for different style heaters. Such as CNC tube bender, U shape bender, spiral tube bender, round tube bender...

根据不同的弯曲形状，我们生产不同的弯管机，例如 CNC 弯管机，U 型弯管机，螺旋型电热管弯管机，圆形电热管弯管机等。



Resistance Winding Machine 电阻丝绕线机

Feihong's winding machine are widely use in different heaters production, such as heaters for home appliances, cartridge heaters, hot runner heaters.

飞虹的电阻丝绕线机用于不同的电热管生产中，例如家用电热管，单头加热管，热流道发热管等。

Contact Feihong 联系飞虹



Zhaoqing City Feihong Machinery & Electrical Co., Ltd 肇庆市飞虹机电设备有限公司

Add: Shuiji village,Dachong,Duanzhou district Zhaoqing city, Guangdong Province,China 526060

地址：广东省肇庆市端州区大冲水基村 526060

Tel: 86-758-2777769

Fax:86-758-2907917

Email:

info@tubemachines.com may@zqfeihong.com

info@heater-machines.com

Website: <http://tubemachines.com> <http://heater-machines.com>

