

G-PENNY MACHINE Official Store

97.7% Positive feedback

[+ Follow](#)

626 Followers

I'm shopping for...

0

[On AliExpress](#) [In this store](#)
[Store Home](#) [Products](#) [Sale Items](#) [Top Selling](#) [Feedback](#)

EU RU Shipping CNC Spindle motor 2.2kw ER20 Water Cooled 4pcs bearings with Variable Frequency Driver VFD 80mm clamping bracket

Extra 1% Off

5.0 ✓ 3 Reviews 4 orders

DKK 2,070.67 DKK 2,556.38 -19%

Price includes VAT

DKK 104.78 Off Store Coupon [Get coupons](#)

Length: Steel Ball Bearing

[Steel Ball Bearing](#)[Ceramic Ball Bearing](#)

Color: 220V

[220V](#)[380V](#)

Quantity:

- 1 + 69 Pieces available

Ships to Denmark

Shipping: DKK 1,027.65

From China to Denmark via Seller's Shipping Method

Estimated delivery on Feb 20

[More options](#)[Buy Now](#)[Add to Cart](#)

52

90-Day Buyer Protection

Money back guarantee

More price information

**4 pcs ball bearings****2.2kw ER20 Water Cooled Spindle**

G-PENNY MACHINE Official Store

Store Categories

- Water Cooled Spindle Motor

For Intricate Carvings (60000rpm)

800W ER11 Spindle (Kits)

1.2KW ER11 Spindle (Kits)

1.5KW ER11 Spindle (Kits)

1.5KW ER16 Spindle (Kits)

2.2KW ER20 Spindle (Kits)

3.2KW ER20 Spindle (Kits)

4.5KW ER20 Spindle (Kits)

5.5KW ER25 Spindle (Kits)

6.5KW & 7.5KW Spindle (Kits)

Metal Working Spindle (Kits)

ATC Spindle (Kits)

- Air Cooled Spindle

DC Spindle (Kits)

800W Round Spindle Kit

1.5kw Round Air Cooled Spindle (Kits)

1.5kw Square Air Cooled Spindle (Kits)

2.2kw Round Air Cooled Spindle (Kits)

2.2kw Square Air Cooled Spindle (Kits)

[G-PENNY MACHINE ...](#)

97.7% Positive Feedback

626 Followers

[Contact](#)[+ Follow](#)[Visit Store](#)**DKK 851.13****DKK 1,100.65****DKK 526.78****DKK 2,068.09****DKK 3,145.06****DKK 1,991.94**[DESCRIPTION](#)[CUSTOMER REVIEWS \(3\)](#)[SPECIFICATIONS](#)

G-PENNY MACHINE ...

DESCRIPTION

CUSTOMER REVIEWS (3)

SPECIFICATIONS

Buy Now

Add to Cart

G-PENNY Machine



Products package

1 &220vAC 2.2kw CNC Water Cooled Spindle Motor 80x230mm ER20 4 bearings

1 &220vAC 2.2kw CNC HY Inverter

1 &80mm Clamping Bracket

1 &220v 75w Water Pump 3200L/H with 5m Tube

1 kit ER20 high accuracy collet ($\leq 0.008\text{mm}$) --- 4,6,8,10,12,1/2,1/4,1/8 (As gift)

Product Description

Good News ! Now order the 2.2kw ER20 water cooled spindle kit , you can get 1 kit ER20 high accuracy collet as gift (Precision ≤ 0.008)



Top Selling



Basic parameters

- Size:** 80x230mm (Middle body diameter: 80mm x Length: 230mm)
- Speed Ways:** Through 3-phase output inverter and adjust the inverter frequency to change the spindle speed.
- Cooling:** Water cooling

G-PENNY MACHINE ...

4.0

159 Sold

DESCRIPTION

CUSTOMER REVIEWS (3)

SPECIFICATIONS

Buy Now

Add to Cart

1, 2, 3 were connected to inverter (U, V, W), 4 connected inverter ground.



4/6 Axis Pendant Handwheel

DKK 386.93

★ 4.9

92 Sold



Aluminum Material

Spindle Clamping Bracekt

DKK 90.53

★ 4.9

67 Sold



Aluminum Material

Spindle Clamping Bracekt

DKK 136.85

★ 4.9

37 Sold



2.2KW ER20 Junction Box Air cooled spindle

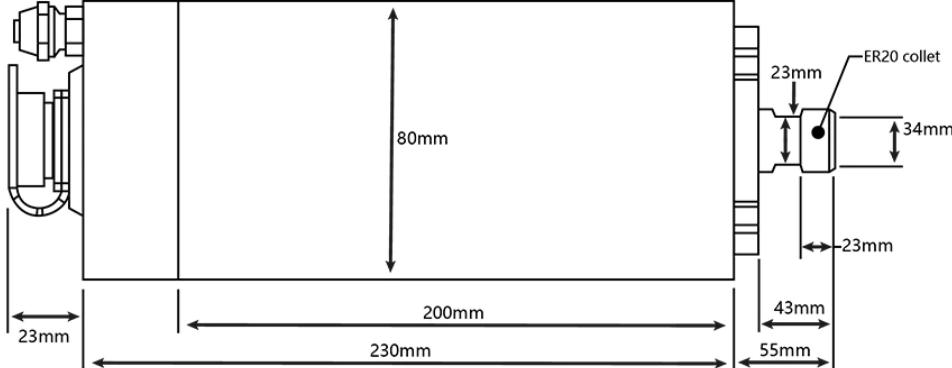
DKK 971.84

★ 5.0

11 Sold

View More >

Dimensions



Best Technology

Model	2.2kw Water spindle
Vlotage	220v
Current	10A
Diameter	80mm
Phase	3
Frequency	0-400Hz
Collet	ER20
Speed	0-24000rpm
Lubricate	Grease
Colling	Water Cooling
Bearing Typo	2*7005 P4 DT &2*7002 P4 DT



Advantage

P4 fully sealed angular contact bearings ,2×7005C P4 DT &2×7002C P4 DT,increase spindle life .(We also have 4 pcs ceramic ball bearings type spindle)

G-PENNY MACHINE ...

DESCRIPTION

CUSTOMER REVIEWS (3)

SPECIFICATIONS

Buy Now

Add to Cart

Precision 0.01mm.C coaxial degree less than 0.0025mm.

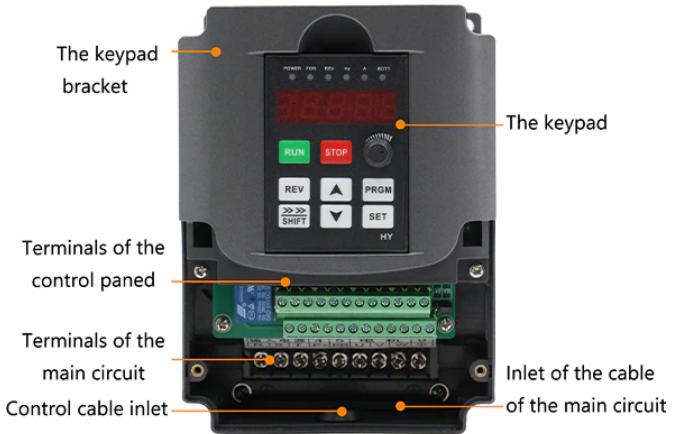
The difference between ceramic ball bearings and Steel ball

G-PENNY
Machine



1. Our Ceramic ball bearings spindle use 4 pcs ceramic ball bearings.
2. Ceramic ball bearings are resistant to high temperatures and low heat , usually 3-5 degrees lower than steel ball bearings during using .
3. Ceramic ball bearings have low friction, low noise and long service life.
4. If you want to use the spindle for aluminum, hard wood, then ceramic ball bearings better than steel ball bearings.

Products package



Basic parameters

- **Inverter Type:220v 2.2kw**
- Input Voltage:220V(+/-15%)
- Output Voltage:220vAC
- Input Frequency:48-63 Hz
- Output Frequency:0-400 Hz
- Input Phase: 1 or 3 phase
- Output Phase: 3 phase
- Warranty: 1 year from the date you purchased

G-PENNY MACHINE ...

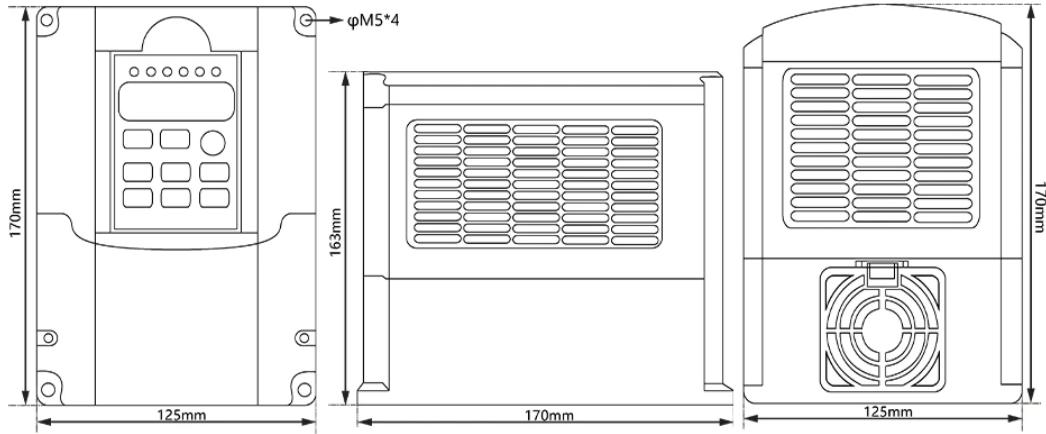
DESCRIPTION

CUSTOMER REVIEWS (3)

SPECIFICATIONS

Buy Now

Add to Cart



Advantage

PID control; advanced calculus PID closed-loop arithmetic, quick responding speed and high suitability;
 Easy PLC function can realize 16 legs of speed and inverter control function;
 RS485 communication port, adopting standard international MODBUS main circuit control;
 With extremely strong anti-jamming capability
 Low output ratting torque 0.5HZ-150%, low speed running ability;
 Carrier adjustable by 16KHZ, completely soundless working environment;
 Broad voltage working area, normal running in 304V-456V;
 Auto voltage regulation (AVR) technique, for ensuring the inverter load capability;
 Various control technique by both synchronization and non-synchronization, dynamically realize fast starting without changing brakes;
 With perfect error protection and short circuit starting protection capability;

Some Qusetions about Inverter

DO NOT set up the inverter by yourself if you don't know how to, or it will make both the spindle and inverter burn easily.

Please contact us, we have manuals, videos and pictures to help you.

Products package



Basic parameters

Max Head: 3.2 m;

Power: 75w;

Maximum flow: 3200L / H

Plug Cord Length: 1.4m

Voltage: 220V;

G-PENNY MACHINE ...

DESCRIPTION

CUSTOMER REVIEWS (3)

SPECIFICATIONS

Buy Now

Add to Cart

Outlet size: 4 and 6 mm;

Dimensions: 145 * 110 * 90 mm

Advantage

High Lift , Large Flow Rate , Highly Durable , Excellent Insulation , Can cool the machine quickly , Good quality and long life , Large inventory , Big strong power

Features

The shell is made of high quality plastic, which is anti corrosive and high durable.

Pumps have excellent insulation thanks to the motor bearing completely sealed.

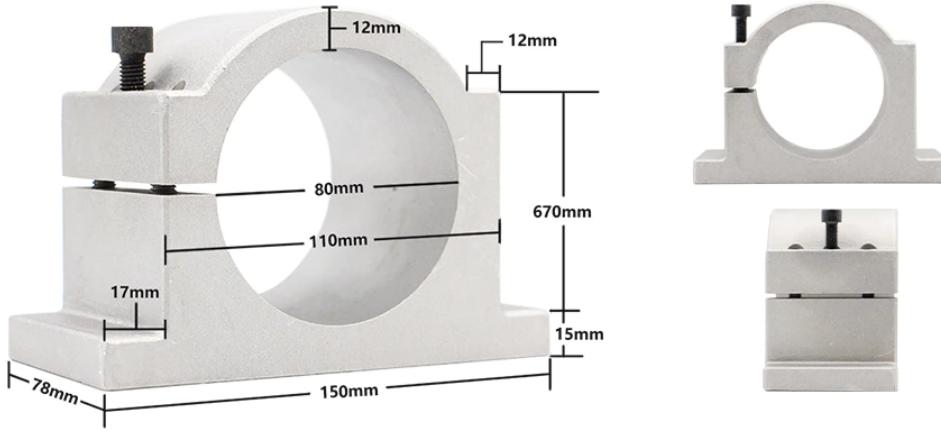
Pumps combine pumping, filtered,oxygen and fountains in one.

Note

Must be used in the water.

Must cut off the electricity once the product works improperly and must maintain it after lifting it from the water.

Products package



Basic parameters

Diameter: 80mm

Material: Cast Aluminium

Features

Compared with the aluminium profile fixture, the accuracy is much higher , and it is hard to deform. Inner wall is very smooth, outer walls are sandblasted, relatively fine uniform, but not very smooth.,

Cast aluminium fixture is much heavier than aluminium profile fixture

Product Description

Cast aluminium fixture is high quality aluminium which is casting with a special manufacturing process ,compared with ordinary aluminium ,This product has toughness, strong shock resistance, high hardness and strong antioxidant activity.

Usage

Cast aluminium fixture is mainly used for fixation of ancillary products, thereby ensuring the verticality of balancing and ancillary products, ancillary products to improve running accuracy, reduce noise, reduce the accumulated error.

G-PENNY MACHINE ...

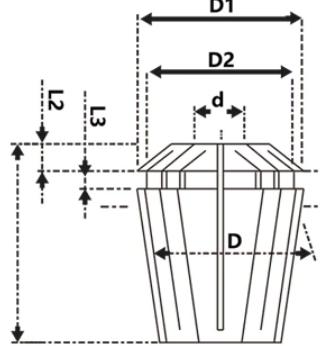
DESCRIPTION

CUSTOMER REVIEWS (3)

SPECIFICATIONS

Buy Now

Add to Cart



Model	d H7	D	D1	D2	L	L1	L2	L3	Collapsible capacity
ER20	≥1.0-2.5	20.0	21.0	17.4	31.5	6.36	4.8	2.8	0.5
	>2.5-13.0	20.0	21.0	17.4	31.5	6.36	4.8	2.8	1.0

Basic parameters

Type: ER20 High accuracy collet

Material: 65Mn Steel

Quantity: 8 pcs (4mm, 6mm, 8mm, 10mm, 12mm, 1/4(6.35mm), 1/8(3.175mm), 1/2(12.7mm))

Precision ≤ 0.008mm

Hardened & Precision ground

Widely used in boring, milling, drilling, CNC milling machine wire tapping, engraving spindle machines, machining centers and other processing.



Blue cover input&output of water are arbitrarily selected .

Pin-4 connect to spindle body,protect operat or safety.



Balancing nut high grinding inner cone-Precision 0.01mm.

Be lengthened copper coil-Big torque.

G-PENNY MACHINE ...

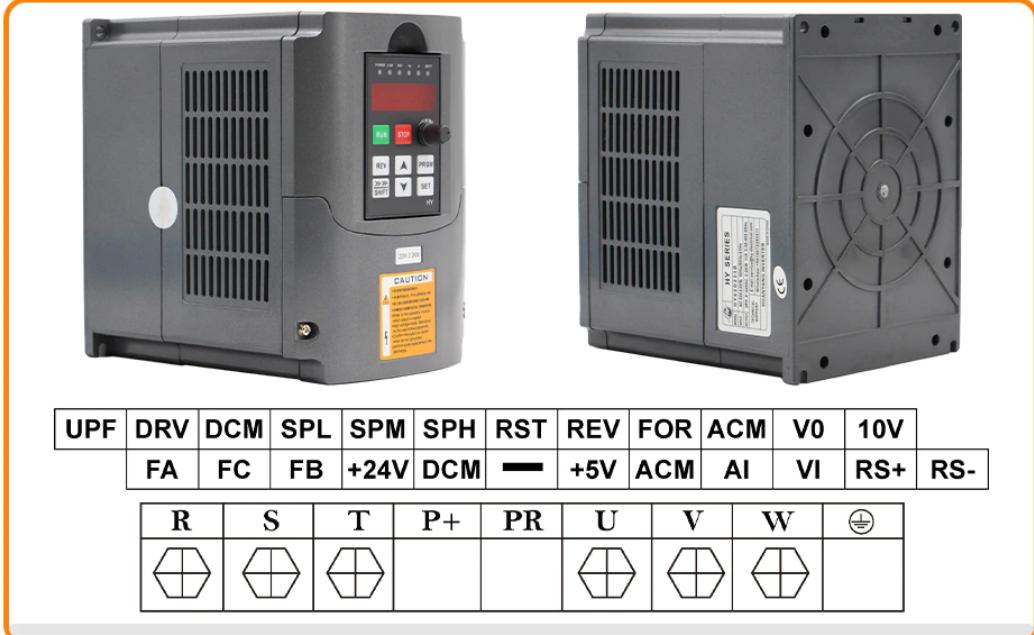
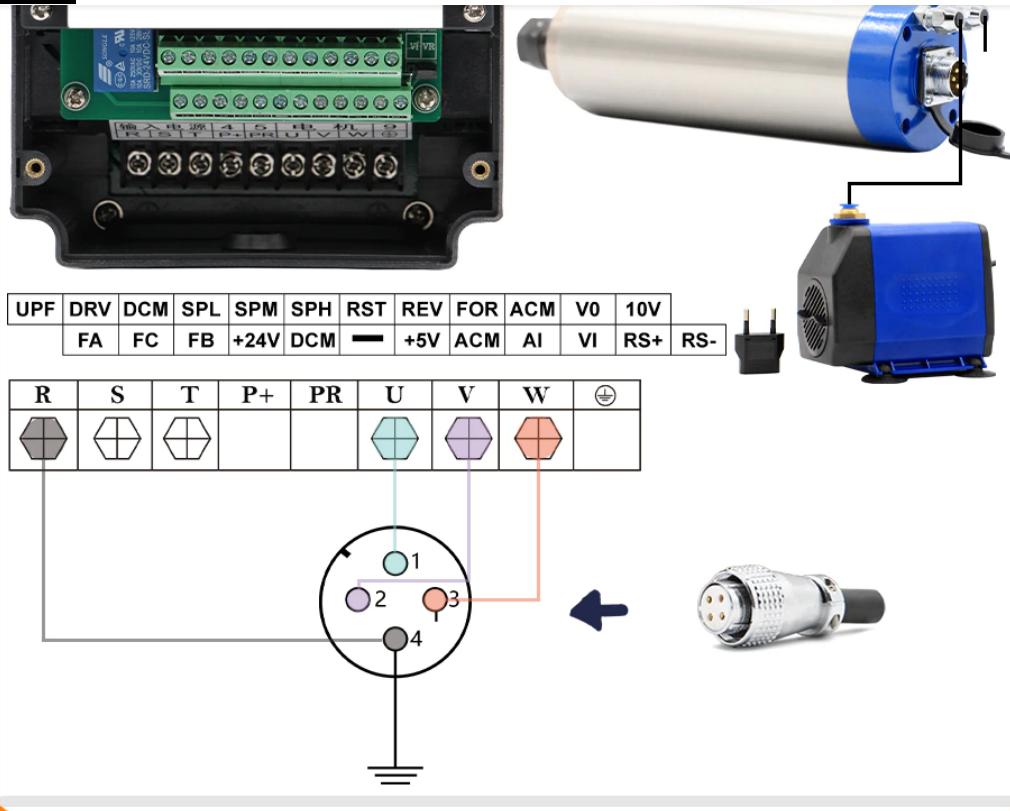
DESCRIPTION

CUSTOMER REVIEWS (3)

SPECIFICATIONS

Buy Now

Add to Cart

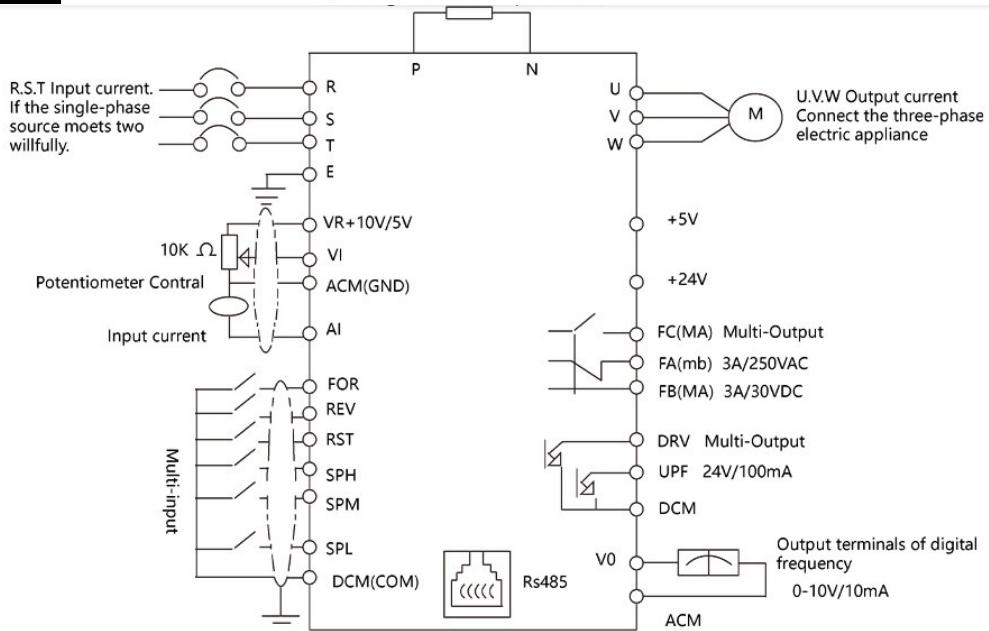


G-PENNY MACHINE ...

DESCRIPTION

CUSTOMER REVIEWS (3)

SPECIFICATIONS

[Buy Now](#)[Add to Cart](#)

Note: The above wiring diagram explained that only supplies the reference, take the actual product as the standard, the diagram is subject to change without notice.

G-PENNY MACHINE ...

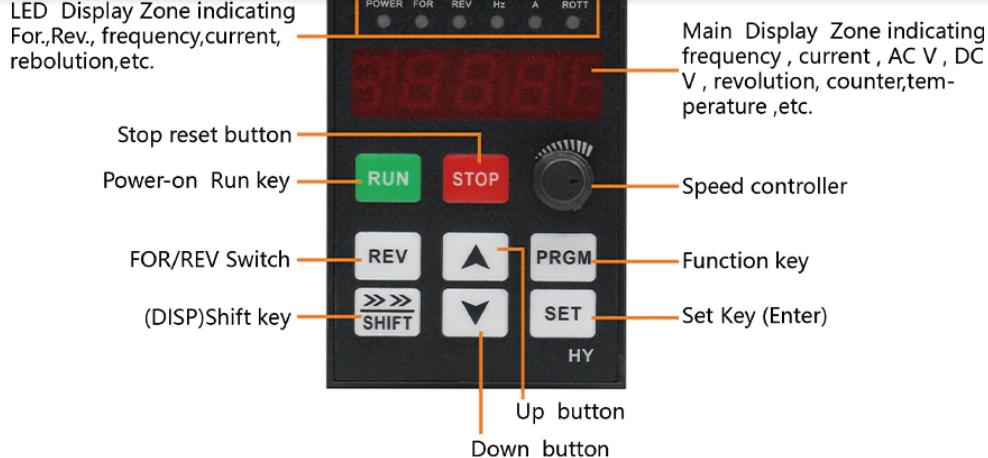
DESCRIPTION

CUSTOMER REVIEWS (3)

SPECIFICATIONS

Buy Now

Add to Cart



icon	Features	Explanation
	Power-on Run key	Power-on self-test, display frequency.
	Programming key	Enter programming, exit programming.
	Jog key	Jog key, can be used to move display focus when setting parameters.
	Up button	Up arrow key for parameter modification, page turning, uploading. Modify the value.
	Down button	Down arrow key for parameter modification, page turning, and down.
	Data function key	Enter the parameter value setting state and save the modified parameter value.
	Forward and reverse switch	Switch between positive and negative during operation.
	Speed control knob	Adjust the running speed.
	Stop reset button	Stop running motor.
	Main Display Zone indicating frequency , current , AC V , DC V , revolution, counter,temperature ,etc.	
	LED Display Zone indicating For.,Rev., frequency,current,rebolution,etc.	

Function Description of Main circuit Terminals

Terminal mark	Description
R.S.T	Input terminal of AC line power. (220V class , for both single/three phase, single phase connected to any two phases)
U.V.W	Output terminal of the inverter
P.Pr	Connector for braking resistor (optional)
E	Grounding terminal:the third method of grounding for 220V and special grounding for 380V of Electrical Engineering Regulations.

Preparations before use

Spindle working environment temperature is usually -10 ~ 40 .

Before installing the first electric spindle axis head turned by hand, should feel flexible, non-blocking phenomenon.

Use correctly

G-PENNY MACHINE ...

DESCRIPTION

CUSTOMER REVIEWS (3)

SPECIFICATIONS

Buy Now

Add to Cart

change, customers should be running at low speed for 30 minutes. 3000 rpm and then follow the poor increase, run 20 minutes each. Spindle and the inverter should be working together. The inverter's specifications and parameter settings need match spindles parameter.

- Connect the inverter spindle, three-phase inverter power cord should be soldered in the plug 1 (U), 2 (V), 3 (W) feet, 4 feet for the ground. After the power is turned on, to observe whether the spindle rotation axis indicates the direction consistent. If inconsistency should be immediately shut down, replace the inverter and spindle connected two wires of three-phase power supply.
- It should ensure that before use of water-cooled spindle, the cooling system is working properly. Every day before using the spindle must be running at low speed for 15-20 minutes. Clamping the cutters to spindle, collet nuts ,collets,cutters must be clean enough. Shank inserted into the collet must be greater than 15mm



Care and maintenance

G-PENNY MACHINE ...

DESCRIPTION

CUSTOMER REVIEWS (3)

SPECIFICATIONS

[Buy Now](#)[Add to Cart](#)**rust from being unused for a long time.**

- Water cooled spindle **MUST** be used with water pump. Otherwise the spindle will soon broken.
- AC spindle motor **MUST** use with inverter. The power of inverter need equal or bigger than the spindle power. Before using, please set up the inverter parameters suitable for spindle. Otherwise the spindle and inverter will broken at once.
- When you use the spindle, the noise is not same as always, please **STOP** the spindle at once. You may need to replace the spindle bearings.

Before shipping , we did the oil seal to avoid the rust during the long shipment. When you get the spindle , please clearing the oil seal before using. Thank you.

Water-cooled spindle and air-cooled spindle differences

- 1. Cooling in different ways: water-cooled spindle motor is the use of the water cycle to cool the heat generated after the high-speed rotating spindle, spindle motor with fan-cooled approach to cooling.
- 2. Noise: Water-cooled spindle motor is basically no noise, but the air-cooled spindle motor is very loud.
- 3. Life aspects: Water-cooled spindle motor pay attention to maintenance, frequently changes the water or the use of industrial water coolers, air-cooled spindle fan mainly by the wind blowing the heat transferred to the heat sink, so as to achieve the cooling effect.
- 4. If you need use for metal ,hard wood,granite,stone,you can choose metal spindle.Metal spindle much better than wood spindle

G-PENNY MACHINE ...

DESCRIPTION

CUSTOMER REVIEWS (3)

SPECIFICATIONS

Buy Now

Add to Cart

Spindle Manufacturer

We are spindle manufacturer, the spindle motors are made from our factory.
If you have technical problems, you can contact us, we have professional technical support.



Spindle rotor



Our 2.2KW water cooled spindle rotor
L=205mm, D=85mm.
Some spindles motors length 180mm, shorter than ours.
Our spindle torque bigger, quality better.

Spindle Bearings

We judge a spindle is good or bad ultimately determine the bearings. Spindle bearings have 7 series and 6 series. 7 series price 5-6 times than 6 series.
7 series bearings have P4 and P5 grade difference. P4 price is double than P5 grade. Our spindle using 4 pcs 7 series P4 grade full sealed angular contact ball bearings.



Spindle test

After finished the assembly, each spindle motor needs to run for 3-4 hours.
If the spindle has abnormal sound or does not work, we will find the problems and solve it.
We can make sure your spindle is in good condition.



Our Factory

G-PENNY MACHINE ...

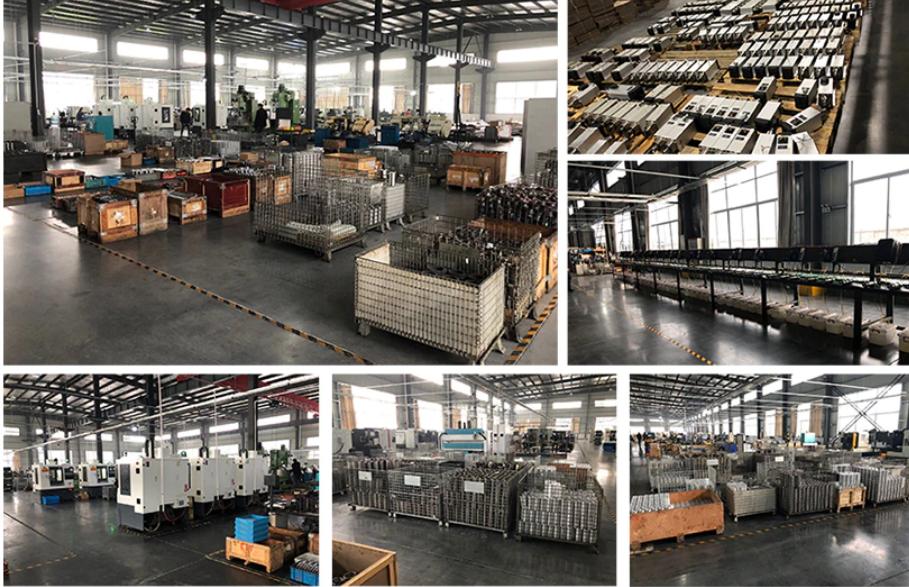
DESCRIPTION

CUSTOMER REVIEWS (3)

SPECIFICATIONS

Buy Now

Add to Cart



- We will 100% guarantee security to the hands of the guests.
- Spindle from the production - assembly - test, and finally the perfect packaging .

Customer product display



G-PENNY
Machine

Can be used to engrave stereoscopic animal avatars.

Can be used to engrave relief art.





Can be used to engrave complex and delicate patterns.

Shipping Cost

Our products are sold worldwide.

If you need many items in the same time, please contact us in advance to confirm shipping cost.

Payment:

We accept paypal credit, bank transfer, western union etc.

G-PENNY MACHINE ...

DESCRIPTION

CUSTOMER REVIEWS (3)

SPECIFICATIONS

Buy Now

Add to Cart

Problem and Feedback:

PLEASE DON'T leave any negative feedback before you contact us.

We are honest and helpful supplier , we will try our best to solve problems with you.

Your satisfaction is very important for our store, so please contact us before you want to leave a negative feedback.

Thanks very much in advance.

Refund:

If you are **NOT SATISFIED** with our package like the products is damage, please do not sign it and contact us immediately.

If it is possible, please take some photos or make a small video about it. It will help us to solve the problems.

Note:

We can produce the product according to our customer's design.

If you need something is very special, please contact us about it.

We are willing to help you about it.



Help

Help Center, Disputes & Reports, Buyer Protection, Report IPR infringement

AliExpress Multi-Language Sites

Russian, Portuguese, Spanish, French, German, Italian, Dutch, Turkish, Japanese, Korean, Thai, Vietnamese, Arabic, Hebrew, Polish

Browse by Category

All Popular, Product, Promotion, Low Price, Great Value, Reviews, Blog, Seller Portal, BLACK FRIDAY, AliExpress Assistant

Alibaba Group

Alibaba Group Website, AliExpress, Alimama, Alipay, Fliggy, Alibaba Cloud, Alibaba International, AliTelecom, DingTalk, Juhuasuan, Taobao Marketplace, Tmall, Taobao Global, AliOS, 1688

[Google Play](#)

[App Store](#)

[AppGallery](#)

G-PENNY MACHINE ... v

DESCRIPTION CUSTOMER REVIEWS (3) SPECIFICATIONS

Buy Now **Add to Cart**

5 Stars	100%
4 Stars	0%
3 Stars	0%
2 Stars	0%
1 Star	0%

5.0 / 5

All Stars (3) Photos (0) Additional Feedback (0)

Only from your country Translate to English Sort by default

AliExpress Shopper RU Color: 220V Length: Ceramic Ball Bearing Ships From: Russian Federation Logistics: Seller's Shipping Method - RU
21 Jun 2022 08:11

Helpful? Yes (0) No (0)

AliExpress Shopper AU Color: 220V Length: Ceramic Ball Bearing Ships From: China Logistics: Fedex IE
30 Aug 2022 22:58

Helpful? Yes (0) No (0)

A***a RU Color: 220V Length: Ceramic Ball Bearing Ships From: Russian Federation Logistics: Russian Post
05 Aug 2022 10:45

Helpful? Yes (0) No (0)

< 1 >

Information on additional charges

For items delivered from outside the European Union, you may be subject to additional charges for VAT and, when applicable, customs duties in your country. You will be obliged by law to collect VAT, you will see the VAT inclusive price at checkout. For more information about these costs, please contact the tax and customs authorities in your country.

G-PENNY MACHINE ...

DESCRIPTION

CUSTOMER REVIEWS (3)

SPECIFICATIONS

[Buy Now](#)[Add to Cart](#)**Links****Related Search**

candy 1 spindle

milling machine military

carbon fiber cnc machine

cd motor spindle

glass cnc spindle

undefined trousers

G-PENNY MACHINE ...

DESCRIPTION

CUSTOMER REVIEWS (3)

SPECIFICATIONS

[Buy Now](#)[Add to Cart](#)**Ranking Keywords**

atc spindle

water cooled spindle

motor of metal

spindle motor

spindle

beaded curtains

This product belongs to **Home**, and you can find similar products at [All Categories](#) , [Tools](#) , [Machine Tools & Accessories](#) , [Machine Tool Spindle](#)