



HIGH-SPEED VERTICAL GRINDING MACHINE (MD3040)

(Suitable for India)

Service Instructions



**Please read the instructions carefully
before using.**

南京固華機電科技有限公司

NANJING GUHUA ELECTROMECHANICAL TECHNOLOGY CO., LTD.



Management System Certification

**QUALITY MANAGEMENT SYSTEM
CERTIFICATION CERTIFICATE**

**NANJING GUHUA ELECTROMECHANICAL
TECHNOLOGY CO., LTD.**

No.16, Chenlv Road, Xiongzhou Industrial Park, Luhe District,
Nanjing, P.R.China Zip Code.211500

**The Quality Management System Conforms to the Standard
ISO9001:2015**

Certified Scope:

Manufacture Of Grinding Tools & Equipments

Unified Social Credit Code: 91320116MA1NKDQ18G

Registration No.: UQ172020R001

Issuing Date: 25 Dec 2017

Expiration Date: 24 Dec 2020



Chen
Issued By: _____



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The certified organization should accept regular surveillance, if the surveillance are qualified, the certificate will sustain effective

Address: 17/F, Building 3 (Triumph Centre), 170 Beiyuan Road, Chaoyang Dist., Beijing P.R.China Postcode: 100101 Tel: 010-84850008 Web Site: www.uico-web.com

This certification information can be queried on the CNCA official website (www.cnca.gov.cn)



CAUTIONS !

This equipment is limited to the use of the special grinding wheel for Guhua High-Speed Vertical Grinding Machine.

Linear Velocity: 80m/s.



Dear Client:

Thank you for purchasing and using our high-speed vertical grinding machine. In order to ensure your safety and proper use, maintenance of this equipment, please carefully read the following before using:

1. Overview

Guhua high-speed vertical grinding machine is specially researched & developed and produced grinding equipment which is aiming at the characteristics of foundry industry and problems existing in the traditional grinding process. They own better cost performance, higher processing efficiency, longer service life, safety and environmental protection.

2. Operational Principle

Please see details in *Electrical Schematic Diagram*.

3. Main Technical Parameter

Model: MD3040

Rated Power: 5.5KW

Rated Voltage: 440V

Rated Current: 9.4A

Frequency: 50HZ

Rated Speed: 3820r/min

Linear Velocity: 80m/s

4. Structure Characteristic

- 1) This equipment adopts motor and pulley to drive the grinding wheel. It is composed of its-drive type structure and turns according to prescribed speed of rotation.
- 2) One-button start function.
- 3) Overload and overheat protection function: under the circumstances of motor overload and overcurrent, the thermal relay will be automatically disconnected to protect the motor.
- 4) This equipment has set safety shield for grinding wheel and owns anti-shedding protection function.
- 5) This equipment adopts sealed high-speed and high-temperature resistance bearing, it is not necessary to add lubricant.

5. Equipment Installation

The anchor bolts delivered with the grinding machine should be tightly connected to the bottom of tank, and the depth of foundation should be determined by the occupying strength and freezing depth of the local soil.

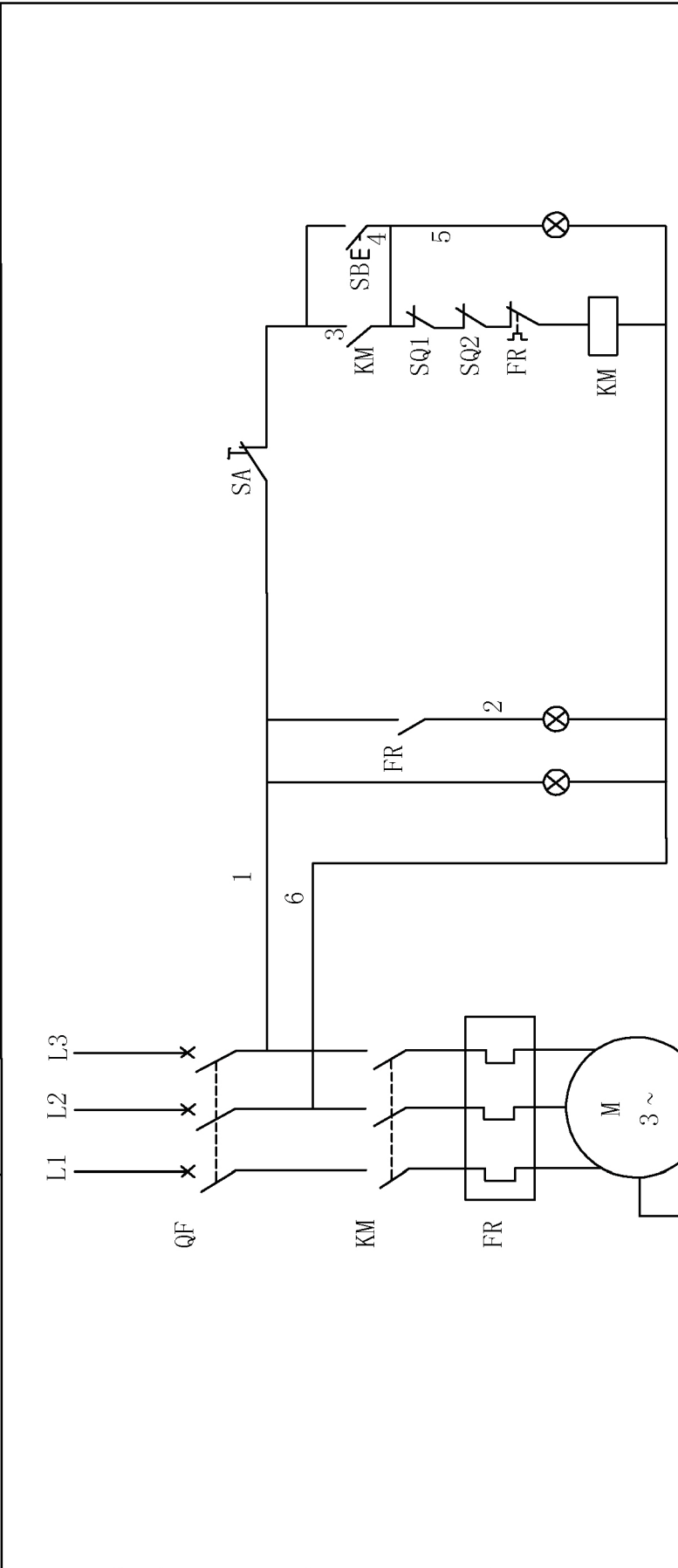
6. Operation And Precaution

- 1) Before using, this equipment must be carefully checked whether each fastening piece is tight and whether there is stuck phenomenon or not. After installing, it should be carried out for 30 minutes no-load operation, then stop to check the situation of all parts and it can be put into use under no adverse conditions.
- 2) The axial direction of rotation of motor and grinding machine must be adjusted according to prescribed rotation direction.
- 3) When replacing the grinding wheel, please use the special grinding wheel which applied to Guhua high-speed vertical grinding machine and strictly do the no-load operation test.
- 4) It is forbidden to let the workpieces impact with grinding wheel and it must be exerted pressure gradually.
- 5) Operators should wear dust-proof glasses when grinding.
- 6) When grinding machine is operating, non-operating staff are strictly prohibited approaching.
- 7) It is strictly forbidden to dismantle the safety protective cover and then use this grinding machine.
- 8) During the operation of grinding machine, if abnormal phenomena and faults are found, immediately stop the machine and check, remove the fault in time. Please contact with us or arrange for professionals to repair, if a non-normal phenomenon occurs.
- 9) Before using the grinding machine, the tank must be reliably grounded.

7. Maintenance

- 1) The special grinding wheel which applied to Guhua high-speed vertical grinding machine must keep dry and ventilated, and prevent corrosive substances from contamination.
- 2) Abrasive debris and dust in the protective cover of grinding machine should be cleaned regularly and keep clean.
- 3) If abnormal sound, vibration, overheating or other anomalies occur on the bearing parts when it is working, please stop and check it instantly. If the bearing becomes invalid, please replace it with same brand and specification bearing. When there is any problem on installation, please contact with us promptly. After replacing the bearing, this equipment must be carried out with no-load running test.

Appendix : Electrical Schematic Diagram- MD3040 High-speed Vertical Grinding Machine

A	B	C	D	E	F	
				Electrical Schematic Diagram	Model : 5.5KW Three -phase Motor Starter Box DWG No. : GHMD-01	
6	FR	Thermal Overload Protector	NR2-36	1	1	
5	HL	Indicator Light	HR, HG, HO	1+1+1	AC440V	
4	KM	AC Contactor	CJX1-32	1	Line Graph AC440V	
3	SB	Button	ZB2-BE101C	1	φ22 Green	
2	SA	Emergency Stop Button	ZB2-BE102C	1	φ22 Emergency Stop	
1	QF	Breaker	DE47LE-63 C60	1		
No. Code	Name	Specification	Qu'ty	Remark		
1	2	3	4	5	6	
7	8	9	10	11	12	



C E R T I F I C A T E

ATTESTATION CERTIFICATE OF MACHINERY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed
2006/42/EC Machinery Directive and

2014/ 35/EU Low Voltage Directive have been taken as references for these processes

Company Name : Nanjing Guhua Electromechanical Technology Co., Ltd.

Company Address : No.16 Chenlv Road,Xiongzhou Industrial Park,Luhe District,
Nanjing,P.R.China

Related Directives and Annex : Low Voltage Directive 2014/35/EU
Machinery Directive 2006/42/EC

Related Standards : EN 12100;EN 60204

Product Name : High-Speed Vertical Grinding Machine

Report No and Date : 16.12.2017

Product Brand/Model/Type : MD3040

Certificate Number : M.2017.201.N2681

Initial Assessment Date : 19.12.2017

Registration Date : 20.12.2017

Reissue Date/No : -

Expiry Date : 19.12.2022


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The validity of the certificate can be checked through www.udemltd.com.tr. The CE mark shown on the right can only be used under the responsibility of the manufacturer with the completion of EC Declaration of Conformity for all the relevant Directives. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Co. Ltd. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be noticed in case of any changes on the product(s)

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