



HIGH-SPEED CUTTING MACHINE (QG40-1)

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.



CERTIFICATE OF REGISTRATION

The Quality Management Systems of

NANJING GUHUA ELECTROMECHANICAL TECHNOLOGY CO., LTD.

Unified Social Credit Code:91320116MA1NKDQ18G

No.16 Chenlv Road, Xiongzhou Town, Luhe District, Nanjing, China

has been assessed by GIC and complying with

GB/T19001-2016/ISO9001:2015

For the following activities

Production of Grinding Tools and Grinding Equipment

Date of Issue: 14 October 2020

Date of Expiry: 13 October 2023

Date of Initial Certification: 14 October 2020

Certificate No.: U20Q2SZ8019837R0S



Scan for certificate status

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GIC WeChat public number

Signature: *Helen*

Guardian Independent Certification Ltd

Registered in England

Sovereign House 212-224 Shaftesbury Avenue London, England WC2H 8JQ

Accredited by Member of IAF MLA





CAUTIONS !

This equipment is limited to the use of the special cutting disk for Guhua High-Speed Cutting Machine.

Linear Velocity: 70m/s.





Dear Client:

Thank you for purchasing and using our high-speed cutting 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 cutting machine is specially researched & developed and produced cutting equipment which is aiming at the characteristics of foundry industry and problems existing in the traditional cutting 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: QG40-1

Rated Power: 4kW

Rated Voltage: 440V

Rated Current: 7.0A

Frequency: 50Hz

Rated Speed: 3340r/min

Linear Velocity: 70m/s

OD of Cutting Disk: 400mm

ID of Cutting Disk: 25.4mm

4. Structure Characteristic

- 1) This equipment adopts motor and pulley to drive the cutting disk. It is composed of its-drive type structure and turns according to prescribed speed of rotation.
- 2) One-button start function.
- 3) This equipment has set safety shield for cutting disk and owns anti-shedding protection function.
- 4) Maintenance-free design, no additional lubricant is required for the bearing; no additional cooling measures are required when the equipment is running.



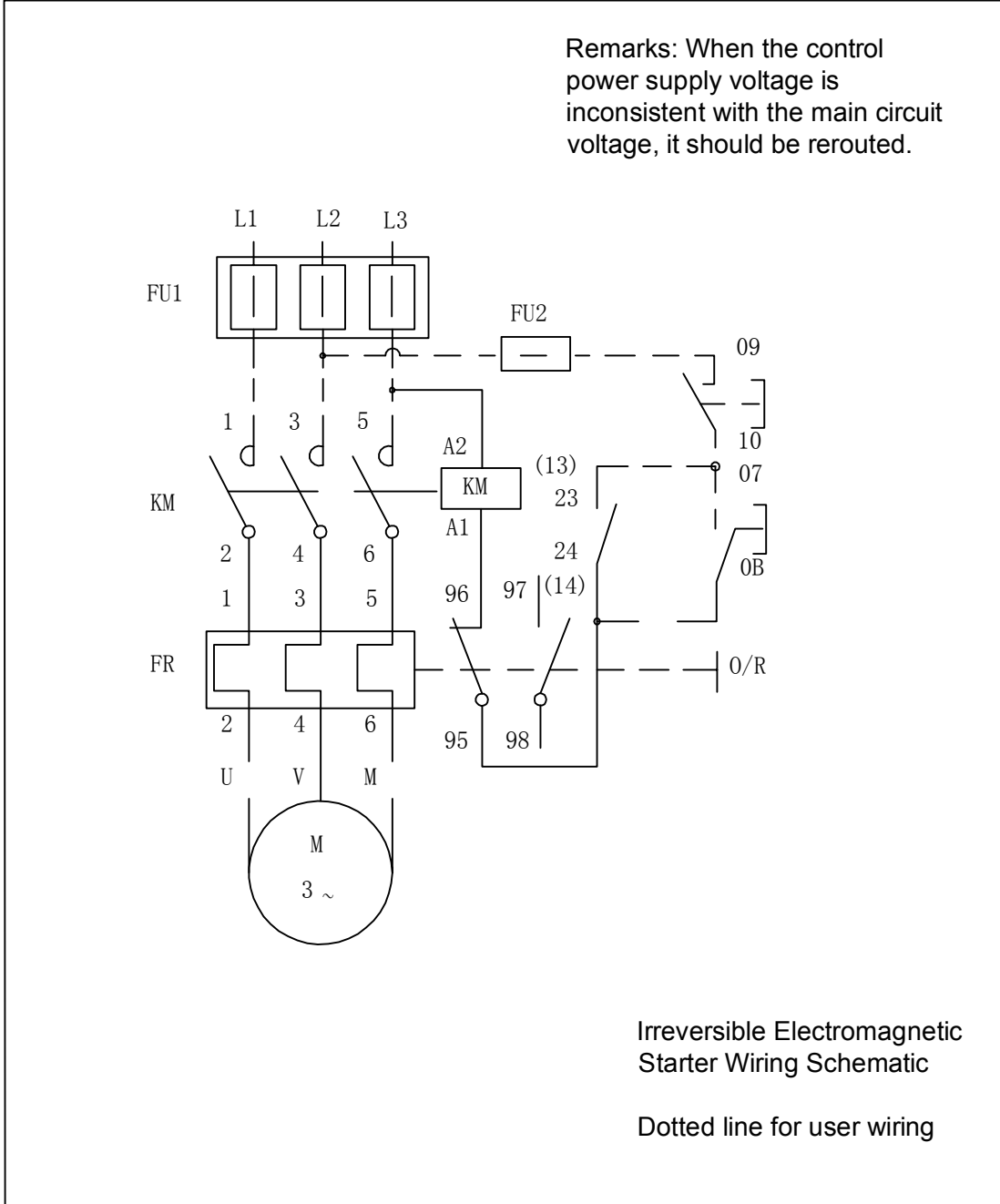
5. Operation And Precaution

- 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 cutting machine must be adjusted according to prescribed rotation direction.
- 3) When replacing the cutting disk, please use the special cutting disk which applied to Guhua high-speed cutting machine and strictly do the no-load operation test.
- 4) It is forbidden to let the workpieces impact with cutting disk and it must be exerted pressure gradually.
- 5) Operators should wear dust-proof glasses when cutting.
- 6) When cutting 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 cutting machine.
- 8) During the operation of cutting 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.

6. Maintenance

- 1) Abrasive debris and dust in the protective cover of cutting machine should be cleaned regularly and keep clean.
- 2) 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: Irreversible Electromagnetic Starter Wiring Schematic- QG40-1 High-Speed Cutting Machine



1	FR	Thermal Overload Protector	Wiring Schematic	NANJING GUHUA ELECTROMECHANICAL TECHNOLOGY CO., LTD.		
2	KM	AC Contactor				
3	FU1	Fuse 1		Irreversible Electromagnetic Starter		
4	FU2	Fuse 2				
No.	Code	Name	DWG No.: QG40-1			
1	2	3	4	5	6	



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