

OPERATION MANUAL



GQ40 GQ42 GQ50 REABR CUTTER

PERFORMANCE · EFFICIENT · RELIABLE



Master sincerely thanks you for selecting the Concrete Cutting Machine. For your Safety and proper operation, before you start to operate or carry out any maintenance on this equipment, **YOU MUST READ and STUDY** this manual carefully. Be sure to always keep it ready for reference.

Produced By Henan Master Machinery Co.,Ltd

Dear Customer,

Thanks for choosing Master machine.

To ensure the safety and proper use of the machine, please read the instruction book carefully before use.

Also, please fill this card and save it for warranty use.

Buyer Name		Purchase Time	
Tel		Contact Person	
Address			
Product Name	REBAR CUTTER		
MODEL	GQ40 GQ42 GQ50		
Motor Model			
Note			

Thank you very much that you have purchased the products.

This operation manual will tell you how to correctly operate and maintain your machine. Before using the machine, please read the

operation manual thoroughly to guarantee the correct operation. Following the operation requirements in the operation manual will make that your machine is in the best operation state so as to extend the life of the set. For you own safety and protection injury, carefully read, understand and observe the safety instructions described in this manual.

Keep this manual or a copy of it with the machine. This machine is built with user safety in mind; however, it can present hazards if improperly operate and serviced. Follow operating instructions carefully!

1. Outline

The GQ series products cover the following models: GQ40, GQ40A/B/C/D, GQ50, GQ50A, etc. These products can be used efficiently to cut plain carbon steel, hot-rolled steel, screw bar, flat bar, square bar and angle steel bar which are widely used in machining and construction project. The advantages are as follows:

- 1). It's small in size, light in weight, reliable in quality and compact structured.
- 2). It's well lubricated. This machine is adopted with closed-box structure in which the flying gears lubricate by them. Filling the lubricating oil over the oil lever indicator to make sure machines are well lubricative. The oil filling once can be used for over 1 month with continuous working.
- 3). Less functional loss. The resistance becomes small Because of improvement in lubrication system and the adoption of rolling bearing at the end of gear axis. This machine functional loss is reduced by 1/3 than other cutting machine.

4). It's convenient to be moved and maintenance.

2. Technical parameter

(A) GQ40 Instruction

1) Diameter of round bar: $\Phi 6-28\text{mm}$

2nd degree screw bar: $\Phi 6-25\text{mm}$

2) The max. size of flat bar: $70*15\text{mm}^2$

3) The max. size of square bar:(Q235A) $32*32\text{mm}^2$

4) Cutting frequency: 32times/min.

5) Motor

Model: YS90L2, Power: 2.2KW

Voltage: 380V, Rotation speed: 2800 circle/min.

6) External dimension: $1190*450*680$ (mm)

7) Weight: 330kg

9) Quantity of cutting bars at one time, according to the diameter of steel bars.

Diameter (mm)	6-8	9-13	14-18	19-20	Over 21
NO. Of bars	6	5	3	2	1

Remarks: the max. diameter of twisted steel to be cut should be $\Phi 32\text{mm}$.

(B) GQ40A/B/C/D Instruction

1) Diameter of round bar: $\Phi 6-40\text{mm}$

2nd degree screw bar: $\Phi 6-32\text{mm}$

- 2) The max. size of flat bar: 70*15mm²
- 3) The max. size of square bar:(Q235A)32*32mm²
- 4) The max. size of angle bar:50*50mm²
- 5) Cutting frequency: 32times/min.
- 6) Motor
 Model: Y100L-2, Power: 3KW
 Voltage: 380V, Rotation speed: 2800 circle/min.
- 7) External dimension: 1230*450*680 (mm)
- 8) Weight: 390kg
- 9) Quantity of cutting bars at one time, according to the diameter of steel bars.

Diameter(mm)	6-8	9-13	14-18	19-20	Ove
NO. Of bars	6	5	3	2	1

Remarks: the max. diameter of twisted steel to be cut should be Φ 32mm.

(C) GQ50/GQ50A Instruction

- 1) Diameter of round bar: Φ 6-50mm
- 2) The max. size of flat bar: 80*18mm²
- 3) The max. size of square bar: (Q235A)40*40mm²
- 4) The max. size of angle bar: 63*63mm²
- 5) Cutting frequency: 28times/min.
- 6) Motor
 Model: Y112M-2, Power: 4KW
 Voltage: 380V, Rotation speed: 2800 circle/min.
- 7) External dimension: 1560*500*720mm
- 8) Weight: 515KGS / 560KGS
- 9) Quantity of cutting bars at one time, according to the diameter of steel bars.

Diameter (mm)	6-8	9-13	14-18	19-20	Over 21
NO. Of bars	6	5	3	2	1

Remarks: the max. Diameter of low-alloy screw bar to be cut should be $\Phi 42\text{mm}$

3. Utilization and safety aspects

(A) Reparation work before using

- 1). Push the driving wheel by hand to check whether gears match well.
- 2). To check whether the blade is fixed firmly and the parallel distance between the driving blade and fixed blade should be 0.2-0.5mm.
- 3). To check bolts at every part and make sure they are firmly fixed.
- 4). To check the electric equipment and make sure excellent insulation. Besides, fix with earth leakage circuit breaker and Make sure the ground terminal of power supply is grounded.
- 5). To be sure every rotation part is well lubricated.
- 6). Once find abnormal phenomena in no-load test immediately turn off the power and examine.

(B) Notice

- 1). To cut steel bars at the underside of cutting blade, but not the upside if unnecessary so as not to overtire the machine stern.
- 2). To cut steel bars only by sharp blade and make sure the blade is firmly fixed, Besides these, in time. Replace new blade in time when

it damaged.

3). Stop and examine immediately once find abnormal phenomena when working.

4).When the machine is working, any repairing and adjusting work are forbidden.

5).It's forbidden to pick off the protective cover when the machine is working so as to avoid accident.

6).Make sure that treadle the clutch pedal to the end, or else the clutch will be damaged earlier.

7).Do not exceeds 2 seconds when treadle the clutch pedal, or else the blade will draw out frequently.

4. Warranty:

1)12 Months from the date of commissioning or 14 month from the date of bill of lading, whichever is earlier. However, does not include usual wear and tear or defects caused due to mishandling.

2) During Warranty period, the manufacturer shall replace the defective parts at his own charge.

3) The buyer shall replace and store the failed parts on the be-half of the manufacturer for inspection or on request, return the same to the manufacturer.