



**Non refundable machine**

\*Producers reserve the right to change specifications without prior notice.  
\*Note: specifications may vary from country to country.

This manual is applied to  
below machine model

CE certificate model
J1C-16
J1C-35
J1C-40

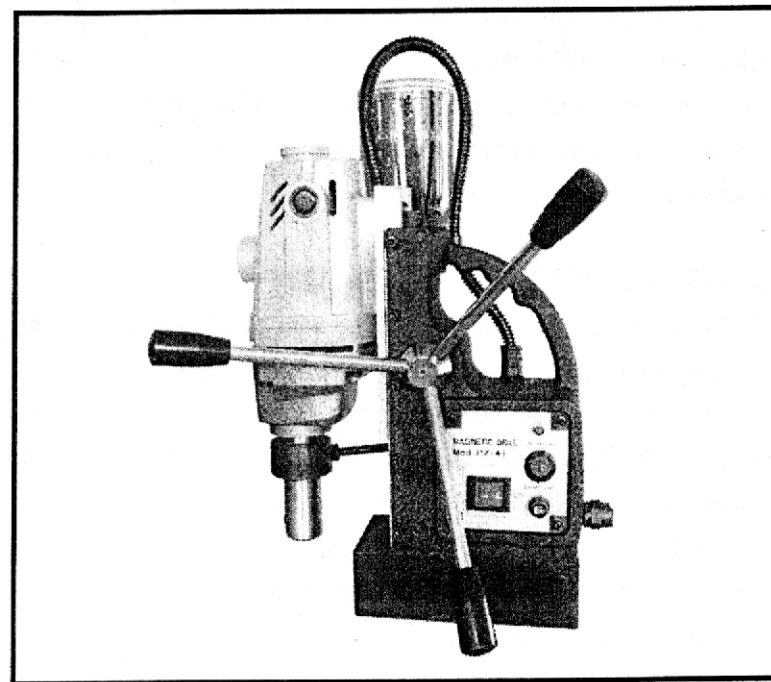
**CERTIFICATE OF QUALIFICATION**

INSPECTOR:



# MAGNETIC DRILL

## OPERATION INSTRUCTIONS



Read through carefully and understand these instructions  
before use.

## **FEATURES AND USES**

Magnetic seat drill is a can be adsorbed on iron and steel workpiece surfaces, side, top surface, surface shall be according to the surface making special magnetic seat, production cycle day 18) for drilling electric tools, is extensively used in the construction, bridge, boiler, shipbuilding and other industries, for large iron and steel workpiece and some field work with drilling and flashlight ring or inconvenience processing can use magnetic base drill, it is convenient to use, flexible, can reduce the labor intensity, improve machining precision and work efficiency.

Because it has a unique role in the drilling of large holes (in the 450 largest steel can be drilled 180mm) has a unique role, so it can be used to replace the radial drilling machine.

## **MATTERS NEEDING ATTENTION**

1.The magnetic seat drill is provided with a safety protection belt, and the magnetic seat drill is necessary to fix the magnetic seat in the hanging operation, so as to prevent the occurrence of the accident caused by the sudden power failure or the power failure.

2.when cooling the drill bit, the coolant should be as far as possible to the drill bit, do not make the coolant splash, especially not the residual liquid in the magnet and the adsorption surface.

3.in check, maintenance before, be sure to turn off the switch and unplug the power plug.

4.the magnetic seat drill shall be deposited in a dry, clean and non corrosive environment in which the child is not to be taken.

5.maintain a bit sharp, wrench keys should be from the chuck.

## AFTER SALES SERVICE CARD

### Warranty Statement

1. The company produces all the tools products from the date of purchase, guarantee of three months.

2. due to normal wear and tear, of man-made damage and incorrect operation, in particular the use of the product without instruction, and disassemble or repair are not included in this warranty, overload use tool damage caused by the user themselves.

3. normal use, the quality of non-human damage occurred their invoices and present the card to the nearest service center for warranty and repair center region is not provided directly contact the dealer or our service center.

Please note shoppers!

The certificate is valid only to please stamp distribution units after purchase, be forfeited, thank you!

model		Business Seal:
Name		
Dealer		
The use of units		
address		
Invoice Date		

### MAINTENANCE RECORDS

Damaged parts	Summary	Shooter

## SAFETY INSTRUCTIONS

Warning: when using power tools, in order to reduce the fire, electric shock and personal injury and other accidents, shall comply with the following basic safety issues.

1. keep the workplace clean. A messy workplace and work station will lead to an accident.

2. To ensure that the working environment of Botox. Electric tools do not get wet in the rain. In wet places and flammable and explosive places. Workplace need to maintain sufficient brightness.

3. beware of electric shock accident. Avoid body contact with objects on the ground.

4. do not let children close. No idlers in the workplace, but can not let people touch the tool or the power supply connecting wires.

5. The dress to the right. Do not wear loose fitting clothing or jewelry, so as not to get involved in rotating parts. Outdoor work, wear non slip shoes. Wear long hair should work wear hats.

6. the use of protective equipment. During the operation, wearing goggles and wearing a dust mask.

7. Do not damage the wire. Yank the wire plug is strictly prohibited. Must avoid wire touch hot, grease and sharp metal edges, with the handle to keep clean and dry, stained with grease.

8. Use fixed workpiece clamp or vise clamping workpiece than by hand fixed work safety.

9. not to stretch out the more work. To maintain stability and balance of the body when the job.

10. maintenance tools. Keep the knife sharp, cleaning should be conducive to the safe operation.

Specification for lubrication and replacement of spare parts. Regular inspection of the wire, such as damage should be commissioned by the professional sector Fix.

11. extension cables for outdoor use. Special extension cable must be used for outdoor work.

12. work should be cautious when working. Should concentrate on the same time .

13.note: you must use the instructions provided in the spare parts to avoid personnel injury and electric shock.

14. tools are to be repaired and maintained by a full time personnel. Electric tools are designed and manufactured in accordance with the relevant safety standards. Full time personnel should use the spare parts which are used in the original production. Otherwise, it will cause harm to the users.

15. Do not push hard piezoelectric drill. When the operation is blocked, will drill return to prevent overload of electric drill. All abnormal decrease in case of speed should be immediately relax feed. Drill for some reason the sudden braking when must immediately cut off the power supply.

16. work must be put on the cable body back, away from the drill bit.

17. plug, the switch should be in the open position, any extension or cable shall not be removed.

18. excessive roughness of the adsorption surface has a certain effect on the suction force of the magnetic seat drill, so we should first test to prevent the occurrence of the accident.

## keep each parts and replace the same parts.

When dismantling the magnetic base drill should keep each parts, consists of an insulating liner and casing. If there is any damage must change with the same components, assembly should will all parts according to its original position installed, you can not miss.

## Quality guarantee period

The company dedicated to customer service. Internal customer service department.

## Possible failures and troubleshooting methods

MALFUNCTION	CAUSE	METHOD OF EXCLUSI
1.MAGNETIC BASE WITHOUT SUCTION	1. SWITCH IS DEFECTIVE 2. POWER OFF 3.BLOWN FUSE 4. SOLENOID SHORT CIRCUIT OR BURN 5 .IS NOT ADSORBED ON THE STEEL PARTS 6. CIRCUIT BOARD BURNED	1. REPAIR SWITCH 2 .FIX THE POWER 3 .REPLACE THE FUSE 4. REPAIR OR REPLACE MAGNETIC 5. CHANGE SUCTION SURFAI 6. REPLACE THE BOARD
2. DRILL DOES NOT RUN AFTER THE ELECTRICAL CONNECTION	1.SWITCH IS DEFECTIVE 2. JOINT LOOSENING 3. THE BRUSH IS NOT IN CONTACT WITH THE COMMUTATOR 4. DRILL ARMATURE OR STATOR COIL BURNED	1. REPAIR REPLACEMENT SWITCH 2. CHECK THE DRILL PORTIO OF THE TAB 3. REPAIR OR REPLACE BRUSHES 4. EXCHANGE ARMATURE OF STATOR
3. TURN THE HANDLE RAILS DO NOT EXERCISE	1. SHAFT KEY CUT 2. WITH THE RACK GEAR DISLOCATION	1. REPLACE THE SHAFT KEY 2. LOOSEN THE SCREWS UNDERNEATH THE RACK, REPLACE THE ARMATURE OF STATOR
4. MAGNETIC ATTRACTION SMALL	1. ADSORPTION WORKBOOK 2 .SMALL SURFACE ADSORPTION 3 .TOP STRUT NOT TO SUCTION SURFACE 4. DIODE MAY WELD	1. CHANGE SUCTION SURFAI ADSORPTION SURFACE OR THICK (THICKNESS ≥15MM) 2. WILL CHANGE ADSORPTIO OR TEMPORARY WELDING THICK SUCTION SURFACE 3. STRUT TOP TIGHT 4. RE-WELDING
5. OVAL HOLE DRILLED	1 .DUE TO THE VIBRATION DRILL LEAVING LOOSE FIRMWARE 2. SMALL SURFACE ADSORPTION 3. ADSORPTION SURFACE DEBRIS	1. DEGREE'S VERTICAL CORRECTION TORQUE FASTENERS 2. RE-GRINDING 3. CLEAR DEBRIS

## **The operation steps**

1、 Insert the power plug, the drill is roughly aligned to the processing position, and then the electromagnet switch is turned on, so that the electromagnet adsorption on the surface of the iron and steel and other magnetic materials (generally plate thickness should be greater than 20mm).

2、 For a magnetic seat equipped with a rotary table, loosen the handle of the turntable, move the machine frame to drive the machine frame to make the bit towel center aligned to the working position, and then screw down the handle.

3、 The support screw should be adjusted to make it light to the surface of adsorption.

4、 The open electric switch.

5、 The grip feed handle slowly drilling operations.

Special note: for three-phase magnetic base drill should pay attention to rotation of the electric drill, when does not meet the requirements will wire the two wires (phase) swap, confirming the direction of rotation of the drill right. Never a wrong connection of grounding wire.

## **check**

Magnetic base drill should be regular inspection and maintenance, you must check the power cord, inner connection, plug, switch is in a good condition, insulation resistance is normal, transmission parts if there is any damage.

## **Lubrication**

Magnet drill in the transmission parts (such as: gear, rack) often lubricated and clean.

19. In the general field using magnetic base drill should take safety protection measures, such as assembly of leakage protector (including leakage protection plug, socket etc.). Otherwise, the user must wear insulated gloves, wear insulated shoes or stand on the insulating mat. In wet places or metal frame upper conductive good workplace, assembly nominal leakage action current is not greater than 30mA, action time is less than 0.1s leakage protector.

## **Grounding device**

This tool should be properly grounded, in order to avoid the operator by an electric shock. Grounding device should be in accordance with the standard wire and is accompanied by a grounding plug connected with special line. Never will be on the ground wrong connection on the FireWire or phase joint.

While connecting the power supply socket should be and is connected to the ground eternal grounding device is connected, so that it can be fixedly connected with the yellow green wire plug hole and a lug is communicated with the earth.

## **Extension cable**

Only allow the use of standard of extending cable, with grounding type plug and socket to supply power to the tools, such as cable damage should be repaired or replaced.

## **Electrical safety**

Tool in front of the power supply connection, be sure to note whether the power supply voltage and marked on the nameplate voltage the same. Power supply voltage is higher than the tools applied voltage, will give the user the accident. Also damaged tools. Power supply voltage is too lower than the tools required voltage, there will be loss in motor. Therefore, such as to determine the power voltage, must not be casually plug.

## Features and uses

Magnetic seat drill is by a DC electromagnetic sucker adsorption in the steel surface with the drill for rotary cutting processing of portable power tools. It and the ordinary drill difference is at the level of the iron and steel, top surface and on-site engineering operations; can also solve the hand-held electric drill high labor intensity and low accuracy.

The product conforms to the standard of the safety of the CB3883.6< hand-held motor and the JB/T9609< magnetic seat drill.

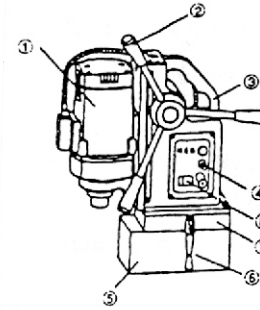
The product can twist drill drilling, and drilling holes with hollow drill tool.

## TECHNICAL DATA

Specifications	Core drilling BRM-35	Core drilling MD-40	Core drilling JH-80	Core drilling JH-100A	JH-13	JH-16	JH-23A	JH-28A	32/49
Max drilling diameter (mm)	Φ20-35	Φ20-40	Φ40-80	Φ50-100	Φ1.5-13	Φ1.5-16	Φ23	Φ28	Φ32/49
Electromagnet suction N	10000	15000	16000	16500	10000	11000	13500	14000	16000
Travel Guide (mm)	150	125	180	260	260	260	140	140	140
Rated voltage V	220/110	220/110	220	220	220	220	220	220	380
Rated frequency Hz	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60
Rated speed r/min	680	550	480	400	850	580	380	350	180
rated power input W	980	1100	2500	2550	900	1200	2300	2400	1800
Morse	3/4 WELDON	3/4 WELDON	3/4 WELDON	3/4 WELDON	2#	2#	2#	2#	2#

## INSTRUCTIONS

The use of prior understanding magnet drill structure, electromagnetic sucker, electric drill and the operation of generation transmission.



- 1 drill
- 2 feed handle
- 3 rack
- 4 electromagnet switch
- 5 electromagnet
- 6 rotary handle
- 7 turntable
- 8 electric switch

## INSTALL DRILL

Note: be sure to close the switch and pull the plug off before you install or remove the drill bit.

Turn the feed handle, the electric drill rose to the highest position (when necessary lateral magnetic drill), mounted on the drill. Remove the same.

For Morse taper shank drill note flat tin tail alignment sleeve on a waist slot in silver sleeve. Demolition bits will be inclined iron insert sleeve waist groove by hammering wedge resulting bit off. For the drill chuck clamping bit must be key wrench.

## JOB PREPARATION

### *Buckle the safety belt.*

The magnetic seat drill placed at the desired drilling near the site of, and choose the suitable adsorption material and will handle hole of the security door with a head wear machine frame, on the other end of the fetter on sturdy frame wear closely in and leave about 100mm length head and tighten the buckle bolt. Hand pulled off without loosening and displacement.