

Automatic Drill DK01-A

Operating Manual

Major Technical Parameters:

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| 1. Drilling Material: | papers |
| 2. Drilling Capacity: | 48mm for $\odot 5\text{mm}$ — $\odot 8\text{mm}$
38mm for $\odot 4\text{mm}$
28mm for $\odot 3\text{mm}$ |
| 3. Hole Diameter: | $\odot 3$ - $\odot 8\text{mm}$ |
| 4. Table Stretch: | vertically 22mm, horizontally 240mm |
| 5. Table Standard Hole Distance: | 3 holes: $\odot 80 \odot 80 \odot$
3 holes: $\odot 108 \odot 108 \odot$
4 holes: $\odot 80 \odot 80 \odot 80 \odot$
4 holes: $\odot 45 \odot 65 \odot 45 \odot$
6 holes: $\odot 19 \odot 19 \odot 50 \odot 19 \odot 19 \odot$ |
| 6. Max Table Working Width: | 340mm |
| 7. Specified Wattage: | 210w |
| 8. Power: | 220v/50Hz |
| 9. Net Weight: | 34kg |
| 10. Fuse Capacity: | 2A ($\text{Ø}5 \times 20$) |

Installation:

1. Unpack the machine by holding the channel steel rods at the machine bottom and pulling it out of the foam. **Caution: Never pull the plastic case.**
2. Assemble the front table by setting the two guide wheels onto the two sides of the conductive plate to make the table bottom touch the channel steel rods, gently pushing forward the table and fixing it with the two pegs.
3. Connect the machine to power. Switch it on and it is ready for work when the power indicator is on. Be sure to use a 220/50Hz socket with good ground connection.

Operation:

1. Check papers to be drilled for any staples and clips before drilling to avoid any damage to the machine.
2. Adjust the front table to a proper position by first loosening the pegs to move the table and then fixing them when the table is at the right place.
3. Fix the drill bit after selecting a right one with right diameter. (The machine is furnished only with the very bit for 6-hole drill, and other bits may be obtained

through purchase.) Set the drill bit into the chuck and screw it to the full, and return the protecting case to the original position.

4. Clip papers to be drilled properly, with their front end touching the positioning plate. Fix the papers by pressing the paper presser plate downward.
5. Select proper hole distance, if available with the machine, by turning the six-angled steel plate, and otherwise by turning the plate side with 0-0 upward.
6. Drill the papers by switching on the machine. The bit will drill downward and return to the original position when finishing its work. Move the front table for subsequent drilling.
7. Take the drilled papers out by releasing the paper presser plate.

Panel Instructions:

1. Buttons

- Return: to be pressed in case of non-operation to return the drill bit to the original position.
- Drill Up: to be pressed when adjusting the machine to raise the drill bit.
- Drill Down: to be pressed when adjusting the machine to lower the drill bit.
- Start: to be pressed to start the machine for automatic drilling.
- Drill: to be pressed to revolve the drill bit when fixing and adjusting the bit.

2. Lamps

- Protecting Case Indicator (PCI): The lamp flashes to show non-operation when the protecting case is not properly closed.
- Drill Bit Indicator (DBI): The lamp flashes to show drilling trouble, and the machine buzzes with an overload. Press the button Return to stop the machine and check to remove any paper scraps or make sure the bit blade is in a good shape.

3. **Power Switch:** to be used for power control.

Maintenance:

1. Drill Bit Renewing: Open the protecting case and loosen the two screws in the chuck. Detach the worn bit and replace it with a new one.
2. Conductive Rubber Pad Renewing: Replace the worn conductive rubber pad with a new one. Never use pads of other type.
3. Paper Scraps Removing & Blade Sharpening: The alarm given when the drill bit fails to work properly entails scraps removing and blade sharpening. **Scraps Removing:** Insert the drill bit into one end of the attached fixing rod, target the wing screw at the groove of the bit and insert the plunger into the other end of the rod for scraps removing. **Blade Sharpening:** Get the plunger out of the fixing rod after removing scraps, insert the sharpener head into the rod and move the sharpener clockwise until the blade is sharpened adequately. Note: Sharpened several times, the drill bit will be shorter, and a timely replacement is needed.).
4. Lubricating Care: Subject to the guidance of specialists.
5. Components Supply: Use our special components for the replacement of

exhaustible parts such as the conductive rubber pad and drill bit in order to secure longer use of the machine.

Trouble Shooting:

1. Failure to Work Properly

- Check power connection in case of no-power.
- Renew the fuse when damaged.
- Renew the switch when damaged.
- Renew the circuit plate when buttons on the operating panel fail to work properly.
- Renew the operating circuit plate when damaged.
- Close the protecting case properly when otherwise done.

2. Successive Blowout

- Replace the fuse with a new one of specified capacity in case of capacity problem.
- Check the circuit to ensure no short circuit.

3. Slower Descending of Drill Bit

- Renew the damaged motor, if any.
- Renew the damaged operating panel, if any.

4. Slower Performance of Drill Bit

- Renew the damaged motor of the drill bit, if any.
- Fasten the motor screw in case of loose wire connection.
- Renew the damaged condenser of the motor, if any.

5. Nor-return of Drill Bit

- Renew the damaged operating panel.
- Make sure the conductive rubber pad touches well.

Attention:

1. The power voltage should remain 210v—230v.
2. The machine is designed for paper drilling other than plastics or metal wares.
3. The conductive rubber pad should be revolved when used for over 100 times at the one same position.