USER MANUAL

SZFATEC DNG-250,
FA-150 and CR-100

MULTI-FUNCTION CHAMFER MACHINES
Main parts description

DNG-250 multi-function worktable

1. Air pressure indicator
2. Assistant jig-holder
3. Lock button
4. Start button
5. Air nozzle

FA-150 chamfer for straight

6. Touch switcher (handle)
7. Air nozzle
8. Position indicator
9. 5mm big screw
10. 1.5mm inner hexagon screw
11. Assistant jig
12. Assistant plate(s)

CR-100 chamfer for round/corner

DNG-250 multi-function worktable

1. Air pressure indicator
2. Assistant jig-holder
3. Lock button
4. Start button
5. Air nozzle

FA-150 chamfer for straight

6. Touch switcher (handle)
7. Air nozzle
8. Position indicator
9. 5mm big screw
10. 1.5mm inner hexagon screw
11. Assistant jig
12. Assistant plate(s)
How to use FA-150?

Way-1: Use FA-150 directly operation steps

1. Connect the air compressor and FA-150 chamfer directly with the supplied tubes;
2. Please make sure the air pressure is more than 5kgs (in the air pressure, there should be an indicator/pointer to tell you the current pressure);
3. Make sure the expected depth/position on the metal or wood which will be chamfered;
4. Press the touch-switcher (handle) of FA-150, and hold the handle firmly to start chamfering.

Way-2: Use DNG-250 and FA-150 together for easier operation steps

1. Connect the air compressor and DNG-250 multifunction unit with the supplied tubes;
2. Please make sure the air pressure is more than 5kgs (in the air pressure, there should be an indicator/pointer to tell you the current pressure);
3. Make sure the expected depth/position on the metal or wood which will be chamfered;
4. Press the Lock button to fix FA-100 chamfer jig, and hold the object firmly;
5. Press the Start button of DNG-250 to start chamfering.
How to use RC-100?

Way-1: Use RC-100 directly operation steps
1. Connect the air compressor and RC-100 chamfer directly with the supplied tubes;
2. Please make sure the air pressure is more than 5kgs (in the air pressure, there should be an indicator/pointer to tell you the current pressure);
3. Make sure the expected depth/position on the metal or wood which will be chamfered;
4. Press the touch-switcher (handle) of RC-100 and hold the handle firmly to start chamfering.

Way-2: Use DNG-250 and RC-100 together for easier operation steps
1. Connect the air compressor and DNG-250 multi-function unit with the supplied tubes;
2. Please make sure the air pressure is more than 5kgs (in the air pressure, there should be an indicator/pointer to tell you the current pressure);
3. Make sure the expected depth/position on the metal or wood which will be chamfered;
4. Press the Lock button to fix the RC-100 chamfer jig, and hold the object firmly;
5. Press the Start button of DNG-250 to start chamfering.
How to adjust FA150 chamfering depth:
1. Use the supplied 5mm inner hexagon spanner to LOOSEN the big screw in the assistant jig;
2. Use the supplied 1.5mm inner hexagon spanner to TIGHTEN the inner screw inside the assistant jig;
3. then the chamfer loosens, you can turn the indicator ring and adjust the up-down position of the blades.

Continues - How to replace FA150 blades:
4. Take off the assistant plates together from the assistant jig (handle);
5. Use the supplied T-20 spanner to loosen the 3 screws in the blades base;
6. Then you can replace new blades.

Continues - How to re-install the blade and the assistant plates:
Basically we just revert the above steps.
1. Use the supplied T-20 spanner to tighten the blades;
2. Joint the blade base into the assistant jig (handle);
3. Adjust the depth by turning the indicator and mark the positioning to remember;
4. Use the supplied 1.5mm inner hexagon spanner to LOOSEN the inner screw inside the assistant jig;
5. Use the supplied 5mm inner hexagon spanner to TIGHTEN the big screw in the assistant jig;
6. Again use the supplied 1.5mm inner hexagon spanner to TIGHTEN the inner screw inside the assistant jig.

How to adjust CR-100 chamfering depth:
1. Use the supplied 5mm inner hexagon spanner to LOOSEN the big screw in the assistant jig;
2. Then the chamfer loosens, you can turn the indicator ring and adjust the up-down position of the blades.

Continues - How to replace CR-100 blades:
3. Take off the round assistant plates from the assistant jig (handle);
4. Use the supplied T-8 spanner to loosen the 3 screws in the blade base;
5. Then you can replace new blades.

Continues - How to re-install the blade and the assistant plates:
Basically we just reverse the above steps.
1. Use the supplied T-8 spanner to tighten the blades;
2. Joint the blade base into the assistant jig (handle);
3. Adjust the depth by turning the indicator and mark the positioning to remember;
4. Use the supplied 5mm inner hexagon spanner to TIGHTEN the big screw in the assistant jig.
FA-150 technical data

Brand: SZFATEC
Product: Pneumatic edge chamfering machine (for straight edges)
Model: FA-150
Application range: Metalworking industry

Main parameters

Blade quantity: 3 pieces (originally attached)

Machine size: W205 x D101 x H119 mm

Worktable diameter: 150mm

Applicable blade type: SDMW or SDEW

Weight: 2.0 kgs / 4.41 lbs

Chamfering capability: Soft iron: 0C-5C-2R,3R,4R ; Stainless steel: 0C-4C-2R,3R,4R

Adjustable chamfer angle (max): 45°

Working air pressure: 0.59-0.6MPA(kgf/cm2)

Used amount of air: 0.9 cube

Revolutions per minute (without loading): 13000RPM

Chamfering accuracy: Super grade

Chamfered materials: soft iron, stainless steel

Supplied accessories: 1.5mm and 5mm inner hexagon spanners; T-20 spanner

Tips: we supply the 3-blade attached originally in the unit; once you need to replace due to damaged, please contact and order from us.
CR-100 technical data

Brand: SZFATEC
Product: Pneumatic edge chamfering machine (for round angel/corner)
Model: CR-100
Application range: Metalworking industry

Main parameters

Blade quantity: 3 pieces (originally attached)
Machine size: W100 X D180 XH90 mm
Worktable diameter: 150mm
Applicable blade type: SDMW or SDEW
Weight: 1.3 kgs / 2.866 lbs
Chamfering capability: Soft iron: 0-3C, 3R; Stainless steel: 0-3C, 3R
Adjustable chamfer angle (max): 45°
Working air pressure: 0.59-0.6MPA(kgf/cm2)
Used amount of air: 0.4 cube
Revolutions per minute (without loading): 13000RPM
Chamfering accuracy: Super grade
Chamfered materials: soft iron, stainless steel
Supplied accessories: 5mm inner hexagon spanner; T-8 spanner

Tips: we supply the 3-blade attached originally in the unit; once you need to replace due to damaged, please contact and order from us.
Product characters:

- The curve parts of steel can be chamfered with simple and smooth operations;
- The inner and outer flange areas can be chamfered;
- The attached gauge can adjust the chamfering degree correctly;
- The angle of the bevel can be adjusted in the range of 15°-45°;
- Chamfering depth adjustment and blade replacement are very easy;
- The working mode is by pneumatic, specially for explosion-proof environment;
- Simple design and easy to operate (small blades); compact appearance and light weight;
- No gear used to change the working speed, single contact switch, quick response;
- High torque output and no vibration;
- Max chamfering degree could be C4.

Scope of application:

- Edge-chamfering for plate edge, circular arc, holes in steel, edge of pipe, curves and so on;
- Chamfering for stainless steel materials, carbon steel, alloy steel, aluminum alloy and high-hardness plastic;
- Shipbuilding, pressure vessel, aerospace, offshore platform, nuclear power construction and so on.