

Call for consumer information

Customers from outside the U.S.

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Call for consumer information

Customers from the U.S. / Canada

STEPCRAFT Inc.
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United States
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IMPORTANT: Read before using!

Operating and safety instructions

NOTICE

All instructions, warranties and other collateral documents are subject to change at the sole discretion of STEPCRAFT, Inc. For up-to date product literature, visit www.stepcraft-systems.com for customers from Europe or www.stepcraft.us for customers from US / Canada and click on the service & support tab for this product.

Age Recommendation: For advanced handcrafters ages 14 and above. This is not a toy.

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE.

Should you encounter any doubts or require any further information, please do not hesitate to contact us before commissioning of the power tool. Our contact details can be found on the front page of this manual.

General safety warnings for the Rotary Table

Work area safety

NOTICE	Keep work area clean and well lit. Cluttered or dark areas invite accidents.
NOTICE	Store Rotary Table out of reach of children and other untrained persons. Injury can occur in hands of untrained users.

Electrical safety

⚠ WARNING	Do not expose Rotary Table to rain or wet conditions. The Rotary Table is only suitable for indoor use. Water entering a Rotary Table will increase the risk of electric shock. Avoid using this product during an electric storm. There may be a remote risk of a power surge from lightning that may result in electric shock hazard.
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Personal safety

⚠ CAUTION	Stay alert, watch what you are doing and use common sense when operating a Rotary Table. Do not use a Rotary Table while you are tired and / or under the influence of drugs, alcohol or medication. A moment of inattention while operating the Rotary Table may result in serious personal injury.
NOTICE	All persons who operate the Rotary Table must have read and fully understood all relevant operating instructions. Misunderstandings may result in personal injury.
NOTICE	Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.

Tool use and care

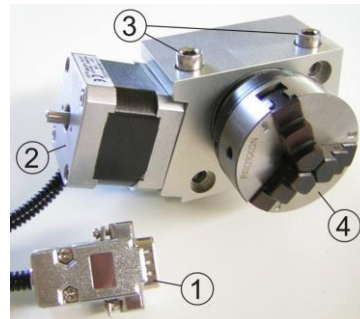
⚠ CAUTION	Do not alter or misuse tool. Any alteration or modification is a misuse and may result in serious personal injury.
⚠ CAUTION	Do not reach inside the working area of the Rotary Table while it is in operation. Contact with the moving parts during operation may result in poor build quality, equipment damage or personal injury.
⚠ CAUTION	Do not leave the Rotary Table unattended during operation. The use of the Rotary Table by persons unfamiliar with these warnings and instructions may result in equipment or property damage and personal injury.
NOTICE	Do not create illegal or inappropriate objects using the Rotary Table.

Additional safety warnings

⚠ CAUTION	Depending on the application field of the machine (private or commercial), you need to observe also the applicable occupational safety and health, safety and accident prevention and environmental regulations.
⚠ CAUTION	Use clamps or another practical and secure way to support and attach the Rotary Table to the machine Table. Holding the Rotary Table with your hands leaves it unstable and may lead to loss of control.

Parts and functions of the Rotary Table

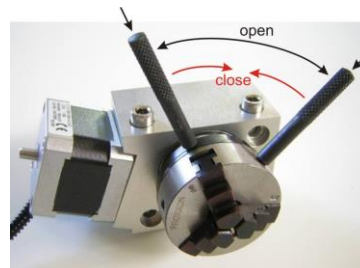
- (1) Signal plug (9-pin sub-d)
- (2) Stepper motor 1,8°/1,8A
- (3) Mounting screws M6 incl. 2x M6 nuts
- (4) Three jaw chuck



How to clamp the workpiece into the three jaw chuck

Insert one of the two round clamping levers into a hole on the black ring, the other into a hole on the silver 3-jaw chuck. To loosen or tension the workpiece, you only need to turn the clamping levers as shown in the picture.

If you want to clamp bigger workpieces, just turn the jaws. Take care of the order (1-3) when reinserting the jaws.



How to use the Rotary Table on the machine

1. Mount the Rotary Table onto your machine table, suitable for your work file, using the two M6 thread screws. The distance of the two screws measures 50 mm. For this purpose we recommend our T-slot table.
2. Arrange the 4th axis parallel resp. in a 90 ° angle to the linear axes of the machine. For this, use e.g. a try square or a dial gauge.
3. We recommend the use of our tailstock in order to support longer workpieces on the opposite side.
4. If you want to machine workpieces with a greater diameter, you can mount the Rotary Table and the tailstock onto a suitable support, thus, increasing the starting point.
5. Connect the feed line of the Rotary Table to the 4th-axis module of the STEPCRAFT machine system.



Technical data of the Rotary Table

Pin assignment of the 9-pin Sub-D plug:	Pin 1+2: Stepper motor spindle 1; Pin 6+7: Stepper motor coil 2; Pin 5+9: reference switch (opener)
Stepper motor:	Nanotec 1,8°/Vollstep; 1,8A/phase (4 th -axis module has 3200 steps)
Gearing:	Worm gearing reduction 54:1
Spindle opening:	ø12 mm
Dimensions / weight:	114 mm x 55 mm x 82 mm / 1,15 kg