

IMPORTANT: Read before using



Operating/Safety Instructions

Suspended Workpiece Holder for STEPCRAFT CNC Systems



Call for consumer information

Customers from outside the U.S.

STEEPCRAFT GmbH & Co. KG
An der Beile 2
58708 Menden
Germany
Phone: 0049-2373-179 11 60
E-mail: info@stepcraft-systems.com

Customers from the U.S. / Canada

STEEPCRAFT Inc.
59 Field Street, Rear Building
Torrington, CT, 06790
United States
Phone: 001-203-5561856
E-mail: info@stepcraft.us

Translation of the original Operating and
Safety Instructions

Date of: 11-14-2018

NOTICE

All instructions, warranties and other collateral documents are subject to change at the sole discretion of STEPCRAFT GmbH & Co. KG. For up-to date product literature, visit www.stepcraft.us for customers from North America and Mexico or www.stepcraft-systems.com for customers from the rest of the world 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 Suspended Workpiece Holder. Our contact details can be found on the front page of this manual.

General Safety Warnings for the use of the Suspended Workpiece Holder

Work Area Safety

NOTICE	Keep work area clean and well lit. Cluttered or dark areas invite accidents.
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Personal Safety

⚠ CAUTION	Stay alert, watch what you are doing and use common sense when operating the Suspended Laser Tool. Do not use the Suspended Workpiece Holder while you are tired and/or under the influence of drugs, alcohol or medication. A moment of inattention while operating laser tools may result in serious personal injury.
NOTICE	All persons who use the Suspended Workpiece Holder must have read and fully understood all relevant safety and operating instructions. Misunderstanding 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.


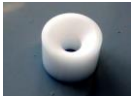



Tool Use and Care

⚠ WARNING	Do not alter or misuse tool. Any alteration or modification is a misuse and may result in serious personal injury.
⚠ CAUTION	Do not leave the Suspended Workpiece Holder unattended during operation. The use of the Suspended Workpiece Holder by persons unfamiliar with these warnings and instructions may result in equipment or property damage and personal injury.
NOTICE	Do not use the Suspended Workpiece Holder to create illegal or inappropriate objects.
NOTICE	When processing long-chipping materials, such as thermoplastics, take care that no chips wrap around the insertion tool. Long chips wrapping around the insertion tool can cause the end mill to break.

Additional Safety Warnings

⚠ CAUTION	Depending on the application field of the machine (private or commercial), you need to observe the applicable occupational safety and health, safety and accident prevention and environmental regulations.
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Scope of Delivery and Description of individual parts

Part	Pieces	Image	Part	Pieces	Image
(1) Suspended Workpiece Holder	1		(2) Plastic spacers	12	
(3) Plastic washers M6	17		(4) Stainless steel nuts M6	17	
(5) Magnetic thread adapter	5				

Initial Assembly of the Suspended Workpiece Holder

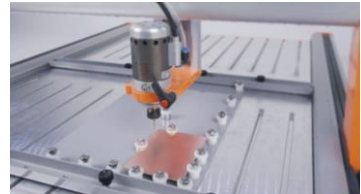
Screw the 12 plastic spacers onto the threaded bolts of the Suspended Workpiece Holder with the fillet facing downwards. Due to the powder coating, this procedure requires an increased effort. Slightly tighten the plastic spacers with pliers.

The threaded bolts are the pre-installed holders laterally fixing the workpiece.



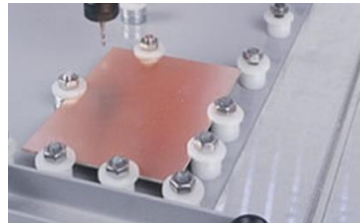
Use of the Suspended Workpiece Holder on the Machine

Place the Suspended Workpiece Holder on the machine table and secure it with the clamping system of your STEPCRAFT CNC system.



Inserting and Processing a Workpiece

Place the workpiece onto the plastic spacers in the corner with the pre-installed holders. Secure the workpiece using the washers and M6 nuts. Apply the flexible magnetic adapters to the opposite side.



Use additional magnetic adapters in order to clamp smaller workpieces or to support the workpiece during the processing at cut-out edges.

With the Suspended Workpiece Holder you can process and cut out very thin workpieces with very thin end mills without milling into spoil boards. Additionally, the Suspended Workpiece Holder prevents the accumulation of chips under the workpiece.



Technical Specifications of the Suspended Workpiece Holder

Dimensions:	220 mm x 375 mm x 2 mm
Max. workpiece size:	210 mm x 345 mm
Max. workpiece height:	1 mm