

Compromise-free processing

GEISS CNC 10 Ultrasonic



Are you looking for a modern and efficient solution to process honeycomb, fabrics and composite materials – all this without compromises regarding quality and stability of the material? Our answer: the CNC 10 6-axis cutting machine with ultrasonic technology. Gentle and controlled cuts for material-conserving and resource-saving processing.

Features

Ultrasonic technology on six axes

6-axis system

Specialized in ultrasonic processing of honeycomb materials, fabrics, and composites.

Gearless 6th axis

Offers dynamic flexibility in two modes. **Positioning mode** for precise cutting with ultrasonic blades. **Spindle mode** for peeling work with ultrasonic discs.

A wide range of tools

Cutting head with the option to change tools automatically.

Patented clamping mechanism

Ensures stable and secure fixing of the ultrasonic unit.

Additional Z-axis

Possible integration for milling work.

» one step ahead!

Benefits

Maximum performance, minimal costs



Precise & dynamic processing:

Small axis movements, thanks to the proximity of the B-axis turning center to the tip of the ultrasonic tool, enable high machine dynamics.



Space & cost efficiency:

The machine is only slightly larger than the largest workpiece – saving money and space.

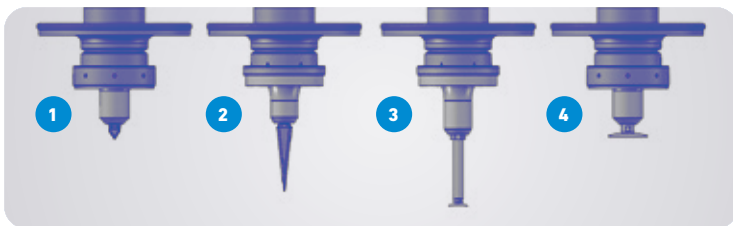


Increased cutting accuracy:

Effective force transmission and absorption close to the cutting edge, particularly important for processing honeycomb materials.

Tool options

Ideal solutions for your application



- » **Tool 1:** Short ultrasonic blades for cutting fabrics or thin-walled structures.
- » **Tool 2:** Long ultrasonic blades for cutting honeycomb materials.
- » **Tool 3:** Rotating ultrasonic discs with extension and small diameter for filigree and narrow honeycomb processing.
- » **Tool 4:** Rotating ultrasonic discs with large diameter for convex honeycomb processing.

Examples of tools, many other tool variants possible.



Visit us online and find
more information about the
CNC 10 Ultrasonic at:

www.geiss-ttt.com/cnc10-ultrasonic

GEISS AG

Industriestraße 2
D-96145 Seßlach
T: +49 9569 92210
sales@geiss-ttt.com