

# TAKMill mini

# Now TAKMill already compact!

Our new product lineup, "TAKMill," now features a Compact machine "TAKMill MINI". Designed to be more user-friendly and accessibility, this mini version expands opportunities and allows everyone to experience the craftsmanship of a true master easily.



## Multi-functional features adaptable to user needs.

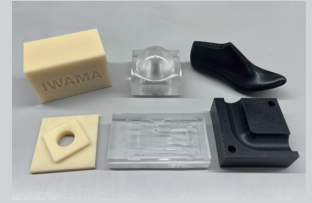
### For Professional users

This Machine can be used for tasks such as chamfering molds or drilling holes, even during process downtime. Equipped with a high-speed spindle, it enables seamless, step-free machining. By combining it with the four essential tools of manufacturing (3D printers, 3D scanners, laser cutters, and CNC machines), productivity can be further enhanced.



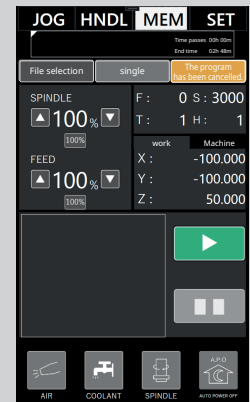
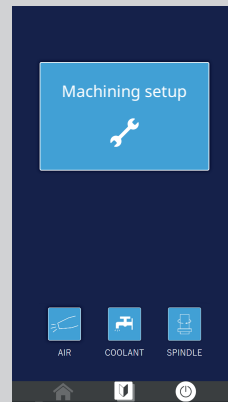
### For beginner users

This machine excels in prototype development in research, development, and design departments, serving as a step-up machine from 3D printers, it's adds true value in in-house production of prototypes. Additionally, it can be widely used for hands-on technical training in educational settings.



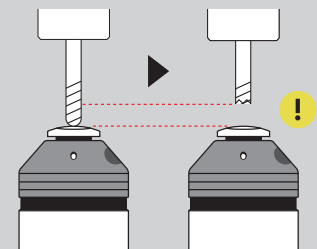
## Mode for beginner users

By simply following the straightforward steps suggested by themachine, all necessary preparations for machining are completed. Equipped with an "Assist Mode" that the system guides users every step by following the machine's easy-to-understand instructions. From selecting machining programs to adjusting feed rates and setting up the workpiece, Ensuring a smooth and efficient with TAKMill Mini guides you every step of the way.



## Automatic tool length measurement / Break detection

By automating "tool length measurement" setting task was previously performed manually, the machine streamlines the preparation process. Additionally, it is equipped with a break detection function that determines if a tool is broken and stop the program.

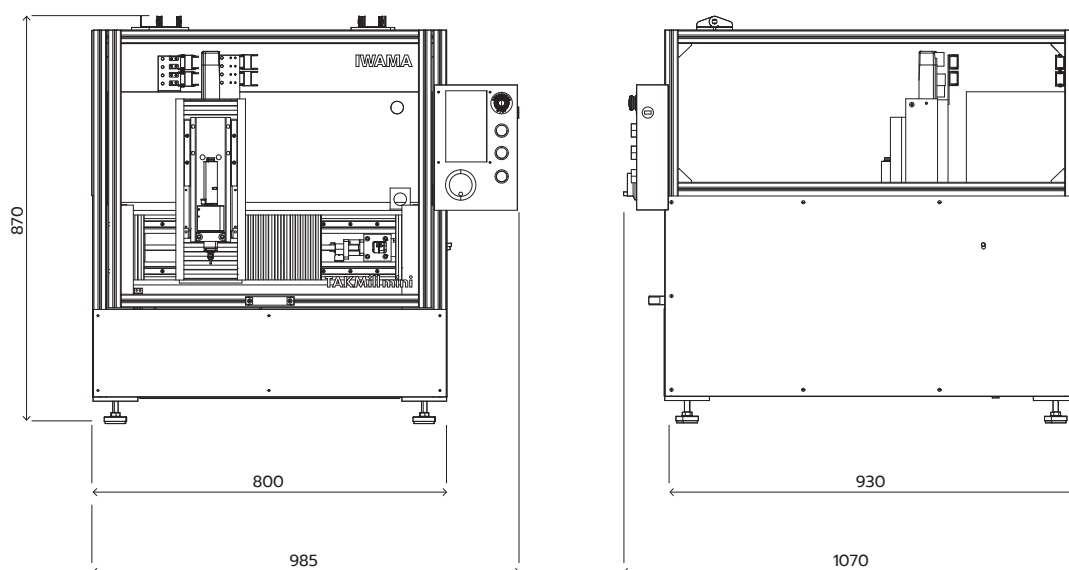


\*Holder setup is required.

# TAKMill mini Specification

Operating Area	X400mm Y350mm Z200mm	Control unit	mico(Original Controller)
Maximum operation speed	3000mm/min (G00 G01)	Processing data transfer	LAN、USB
Table dimension	X420mm Y370mm	Power supply, power consumption	Single-phase AC 100V 15A 2P with grounding Single-phase AC 200V 15A 2P with grounding
Mechanical resolution	0.001mm	Required air pressure source	When using ATC: 0.6 MPa, 50 L/min or more When using air blow (maximum): 0.6 MPa, 80 L/min
Spindle type	NR3060-AQC	External dimensions	Body : W800mm D930mm H870mm
Spindle power	Built-in type 350W	Weight	Body: 180Kg
Spindle rotation speed	5000-60000rpm ※3000-30000rpm(High-torque specification) *500 rpm can be set only during centering operations	Safety	Door Interlock
Tool overhang length	95 mm from the spindle end face Example: If the holder is 21 mm, the tool overhang length is 74 mm.	Other standard features	Air blower, door interlock, Automatic tool length measuring device, automatic power shut-off
ATC	6 tools, fixed direct type	Processing materials	Aluminum・plaster materials・ABS・chemical wood・light-load metals
Positioning accuracy	0.050mm/300mm	Accessories	Operation manual
Repeated positioning accuracy	±0.010mm	Option	Oil mist, coolant, signal tower, A-axis unit, sub-table, tool set, clamp kit, Collecting duct

## External dimensions (mm)



\*\*TAKMill" is a registered trademark of Iwama Kogyo Co., Ltd.

モデリングマシン・工作機械メーカー

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