

TSH-400N CNC

High-Speed CNC Drilling EDM



Aerospace Industry



Watch Industry



Automobile Industry

**A complete EDM hole driller with machine tool construction...
for around the cost of a benchtop system.**

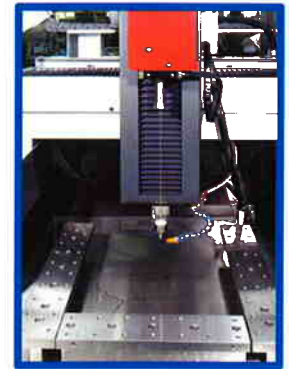
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Control Features

- ◆ AC servo motors, Ball screws, Linear ways for X - Y - Z - W axes.
- ◆ Full close loop control system with 1µm resolution.
- ◆ 10" color monitor with 8 software drilling soft key display all information in POSITION, PROGRAM, EDIT, E-BANK, ALARM, MDI, PARAMETER, EXEC, DIAG... pages.
- ◆ Complete alpha-numeric keypad with LED inter-locked MODE keys.
- ◆ Remote control pendant.
- ◆ Program file number: 0 ~ 9999, with time/date or user notification tag.
- ◆ Program storage: Max. 99 files, total size 65000 characters (546 foot tape equivalent)
- ◆ G81 performs positioning, drilling, retraction, and everything for a hole in a short and clean block.
- ◆ Part program can be easily converted from existing CAD system and download from PC to machine.
- ◆ GOTO N statement, SKIP, and restart functions.
- ◆ Skip button for skipping to the next hole.
- ◆ Industrial standard G/M code; for example, G54 ~ G59, G90, G91, G92, G04, G20, G21, M98, M99, M02, M03, etc....
- ◆ Macro programming, user macro.
- ◆ Powerful program editor with Cursor Up/Down, Block Up/Down, Page Up/Down, Ins, Del, Alter, Search Up, Search Down, Blocks Copy, Blocks Delete, and On-Line real time G/M code help.
- ◆ Pick up functions: Edge Finding, Slot Centering, Hole Centering, Block Center Finding, and Corner Finding.
- ◆ 200 EDM technology bank (100 of them are lockable) stored in the memory and callable from program.
- ◆ Part-program can be download/upload by Floppy Disk or RS-232 to your PC.
- ◆ Real time machining condition displayed on the screen like a scope.
- ◆ Switchable JOG, MDI, and MEM operation mode.
- ◆ Blind Hole Function.
- ◆ Programmable high pressure flushing.
- ◆ Dielectric conductivity controlled through CNC control.
- ◆ Software up gradable.



Control screen



Patent guide unit & Stainless vice unit



Filtration System

Specifications of TSH-400N CNC

MODEL	TSH-400N
X/ Y/ Z Axes Travels	400 x 400 x 440 mm
Machine Head Movement	348 mm
Stainless Vice Unit (L x W)	480 x 458 mm
Max. Distance between Guide Unit / Worktable	355 mm
Work Tank (L x W x H)	870 x 670 x 150 mm
Worktable (L x W)	540 x 500 mm
Electrode Size	Φ0.15 ~ Φ6.0 mm
Dielectric Fluid	Water
Max. Machining Current	50 AMP
Max. Power Consumption	6 KVA
Machine Dimension (L x W x H)	2440 x 1900 x 2460 mm
Machine Net Weight	1900 kgs.



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