High-Speed/Accuracy

5-Axis Milling, Drilling, Tapping

Highly Rigid Structure
- High rigidity, bridge-type monoblock structure allows high-speed, high-precision machining surpassing typical "C-Frame" construction by far.
- Minimized distance between guide surface and spindle center provides greater stability.
- High rigidity bed with ideal rib distribution has been designed by computer analysis.
- With linear scales included as standard equipment, Roku-Roku guarantees static positioning accuracy ±0.000040" and ±0.000020" repeatability.

Extended Speed Range
- SSS 300: (200 ~ 30,000 RPM) / SSS 400: (200 ~ 40,000 RPM) using a long-life integral 20 or 7.4 HP AC motor. Ideal for micro drilling, tapping and milling applications.

Z-axis Balance Cylinder
- Dual Balance Cylinders, standard equipment on CEGA SSS-300/400 5AXP, reduces load for the ball screw and servo motor allowing smooth motion of the Z-axis.

Fanuc 31i-B5 Super High-Speed Processor & AI Contour Control II
- The Fanuc 31i-B5 is a "NANO CNC System" with Intelligent Velocity Control, NANO Interpolation and NANO Smoothing. The look ahead has been expanded to 1000 blocks. The full 5-Axis Machining Package has been added for simultaneous 5-axis operation.

Multiple Applications
- High-speed direct 5-axis hard milling can be done by dry machining.
- Flush system is ideal for soft material 5-axis machining and micro drilling.
- Ultra-precision capability is ideal for non-metallic machining ie, Soda Glass, Zirconia and Machinable Ceramics.

Highest Precision and Productivity for 5-Axis Milling, Drilling and Tapping
Now Available
From MC Machinery Systems, Inc.
COLD FORGING DIE
MACHINING IN CARBIDE

TUNGSTEN CARBIDE MACHINING

COMMITMENT TO DYNAMIC BALANCE

High accuracy and fine surface finish are products of a dynamically balanced spindle and tool holder system. Roku-Roku designs their integral motor spindles with the finest materials available including special ceramic bearings to achieve a dynamic run-out at the spindle taper of 0.5 μm. Combined with an ultra-fine ± 0.18° F precision double-layered oil circulation jacket and HSK E40 tool holders, allows continuous operation with maximum speed realizing beautiful seamless surface finish with multiple tools.

DIMENSIONS

Machine Height: 105.9"  Installation Footprint: 91.9" x 114.2" w/ Chiller
Power Requirement: 200V +/-10%, 60Hz, 32kVA  Compressed Air Supply: 17.5cu.ft./min. @ 72psi

Machine Weight: 12,100 lbs.

MC MACHINERY SYSTEMS, INC
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