



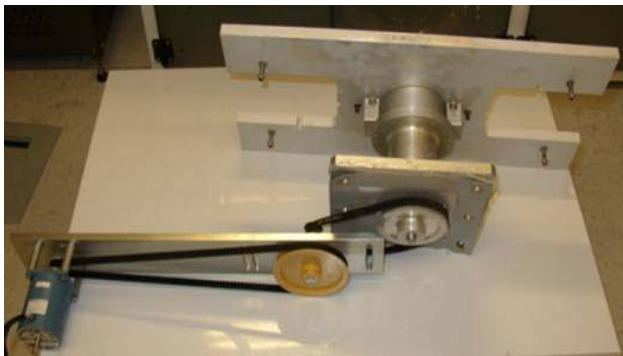
BEU & Geneva Drive Upgrade for VTR 7000

Improve your VTR 7000 with a new Geneva Drive and H-platform for superior reliability and performance!

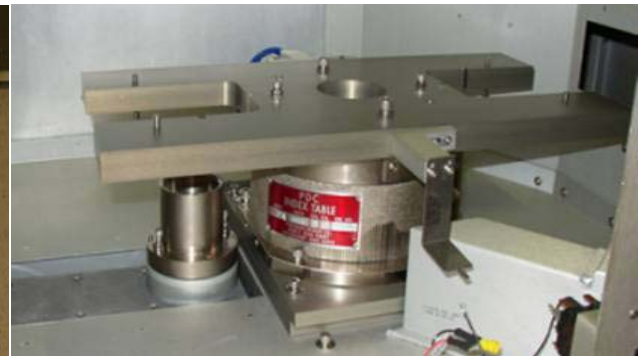
Innovative Silicon Systems offers an improved BEU drive unit for VTR 7000's. The standard BEU drive unit on a VTR 7000 employs a stepper motor and two drive belts which are prone to failure, require proper tensioning and can generate particles. Additionally, the H-plate on which supports the wafer towers is thin and can flex under full loads causing misalignment.



The *iSiS* BEU Upgrade Kit effectively overcomes these issues. The heart of the Kit is a beefy 8" Geneva drive employing a pneumatically-operated drive motor. Geneva drives provide smooth, incremental rotation in a sealed environment (no particles!) and requires almost no maintenance. The Kit also features an improved-design H-plate made from 0.88" thick aluminum plate that exhibits near-zero deflection, even under full loads.



Standard Drive & H-plate

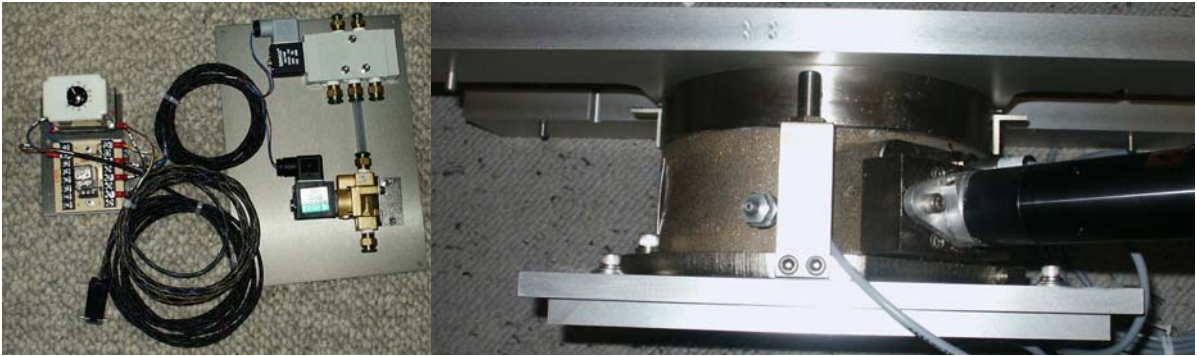


New Geneva Drive & H-plate



The *iSiS* BEU Upgrade Kit provides everything you need to easily retrofit your VTR except for plumbing of a dedicated high pressure CDA or N2 line (required to operate the Geneva drive). Included in the Upgrade Kit is:

- 8" Geneva Drive with integral air-operated motor and position sensors
- Re-designed H-plate
- Mounting plates for the Geneva Drive
- New floor duct section
- Solenoid panel (for operating the Geneva Drive)
- Relay Panel (for operating Geneva Drive)
- All required cabling and internal plumbing
- New EEPROMs



innovative Silicon Systems provides a wide range of semiconductor productivity enhancement tools and services. We would welcome the opportunity to discuss your specific needs.



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