



QUANTUM TECHNOLOGY, INC.

108 Commerce St., Suite 101, Lake Mary, Florida, 32746-6212, USA
FAX 407-333-9352 PHONE 407-333-9348 TOLL FREE 800-232-4291
EMAIL: staff@QuantumTech.com WEB: www.QuantumTech.com

MODEL MTM and MTP OPTICAL MOUNTS

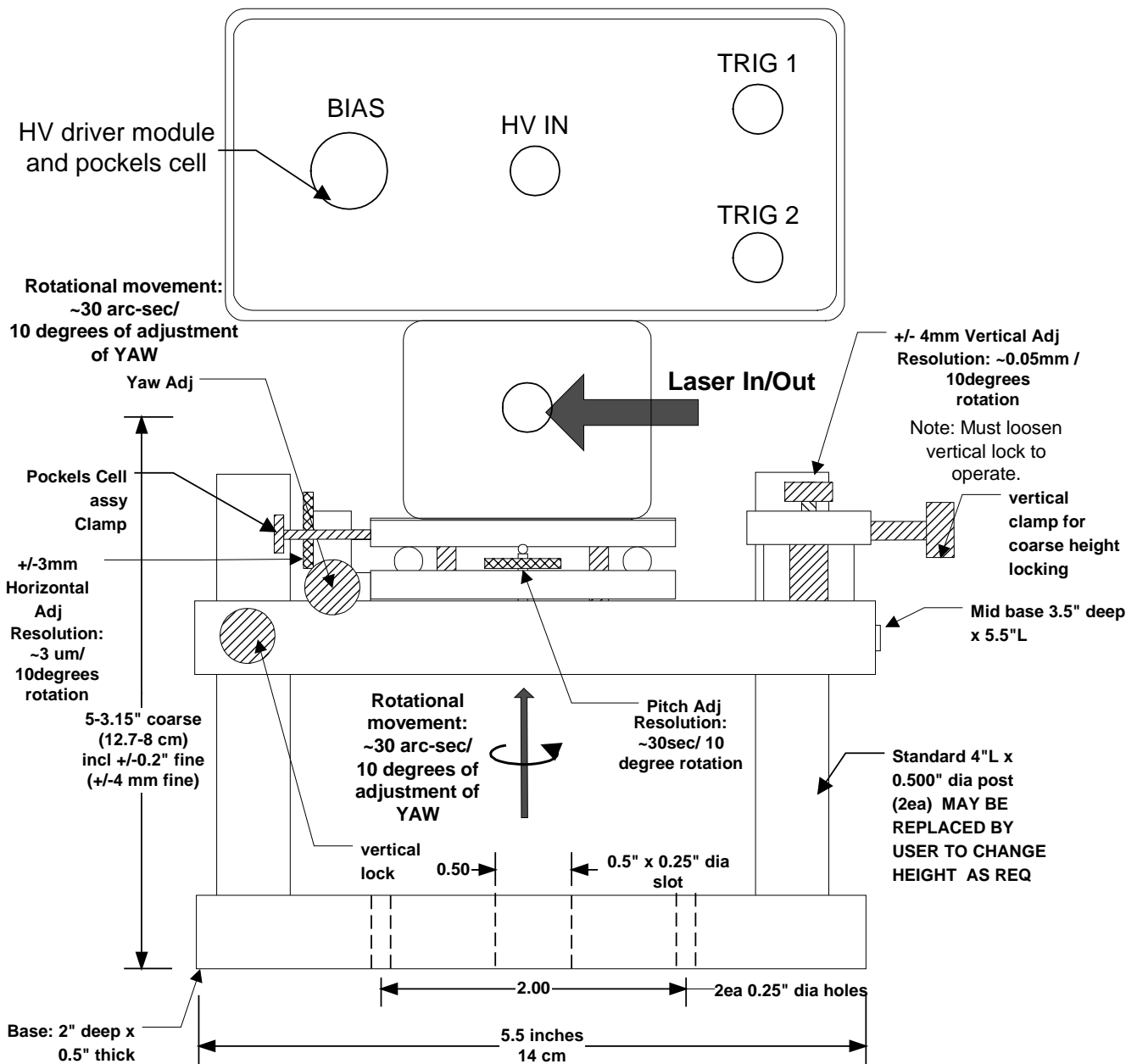
DATA SHEET 737

MODEL MTM-1000 and MTP-1000 OPTICAL MOUNTS

FEATURES:

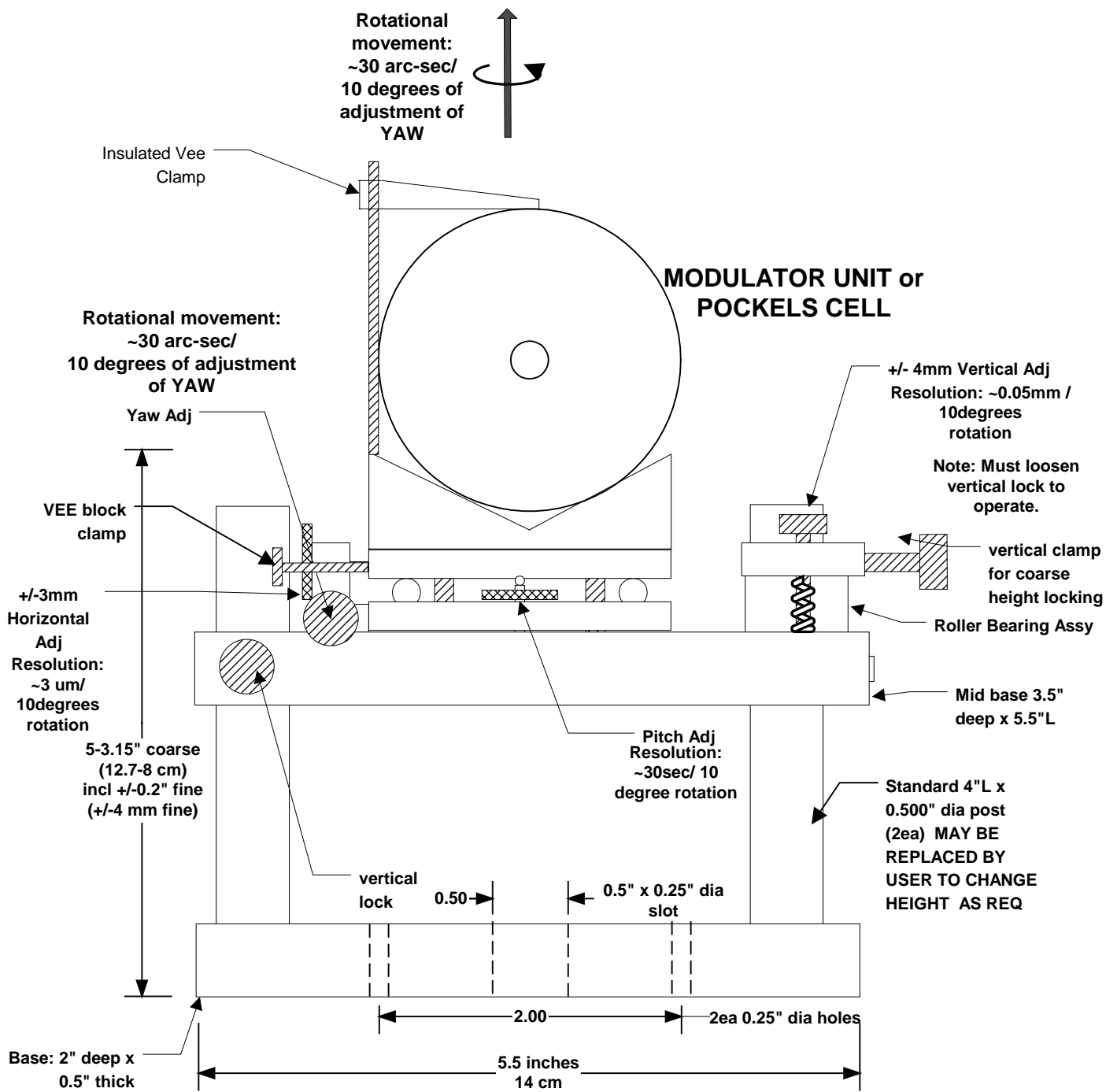
- PITCH ADJUSTMENT RANGE: +/- 3 DEG.
- ADJUSTMENT SENSITIVITY: 30 ARC-SEC.
- HEIGHT ADJUSTMENT: < 2 INCHES
- HORIZONTAL ADJUSTMENT 1/4" RANGE
- ROTATIONAL YAW AXIS : +/- 10 DEG.

The MTM and MTP optical mounts provide a high resolution angular orientation with coplanar, orthogonal gimbal adjustment, rotary adjustment vertical and horizontal travel adjustment. For consistently smooth operation, these mounts feature stainless steel 80-pitch adjustment screws with integral rolling ball tips. Push pads of hardened stainless steel and nylon tipped knurled thumb screws lock the Cells, Modulators and Q-switches and other Devices gently and securely. The MTM mount will easily hold 2-inch diameter optics. Quantum provides a Kapton insulator sheet affixed to the VEE block of the MTM mount for holding Pockels cells enclosures to the QC-8 (1 inch Dia.) to the QC-24 (2 inch Dia.) Pockels Cells. EO modulators are easily oriented for max modulation by the manual rotation of the EOM allowed by the VEE block about the beam axis. Independent vertical and horizontal translation stages make it easy to align the devices to the correct beam height. The 0.9 inch aluminum adapters which hold the VEE block to the rotary base may be provided free if requested. This adapter is also used for holding Pockels cells enclosures it's HV driver. The vertical height may be extended very easily by changing the 1/2" industry standard optical bench posts to longer ones. Multiple slotted holes allow flexible mounting arrangements to almost any optical setup. Quantum also supplies Non-Linear Doublers mounted in Cells and these mounts are useful for angle tuning.



Note: lift vertical clamp and swing out of way above post to tighten Pockels Cell assy clamp

QUANTUMT TECHNOLOGY, INC. LAKE MARY, FLA, USA 32746			
MODEL: MTP MOUNT WITH HV DRIVER AND POCKELS CELL			
SIZE	FSCM NO	DWG NO	REV
A		MTP-MTR MOUNT	=
SCALE	1 : 1	SHEET	1 OF 1



QUANTUMT TECHNOLOGY, INC. LAKE MARY, FLA, USA 32746			
MODEL: MTM MOUNT WITH MODULATOR			
SIZE A	FSCM NO	DWG NO MODEL-MTM-MOUNT WITH MODULATOR	REV =
SCALE	1 : 1	SHEET	1 OF 1