



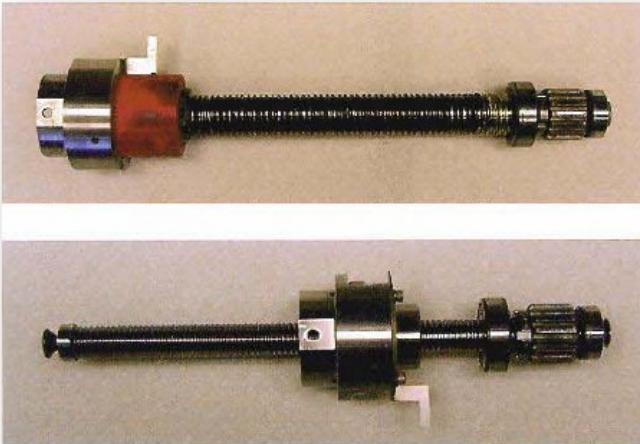
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APPLIED MATERIALS AMAT 5200 CENTURA DPS METAL ETCH THROTTLE VALVE REBUILD KIT

The Nykar Technologies throttle valve rebuild kit replaces the OEM screw and nut on the Applied Materials Metal DPS throttle valve. This throttle valve rebuild reduces binding and squealing, and eliminates torque alarms.

REDUCED COO. The replacement screw and nut consist of a high quality, precision machined, ball bearing, all metal assembly that will provide years of carefree service reducing the need for rebuild and thus the overall cost of ownership.



ELIMINATION OF VIBRATION AND NOISE. Original Equipment utilizes a nylon nut (in red) which rides directly on the screw threads; this nut wears out and results in binding, squealing, and torque faults, contributing to the need for frequent and expensive rebuilds.



LONGER LIFE. The replacement unit is all metal and utilizes recirculating ball bearings to ensure a precise mechanical movement: the nut actually rides on ball bearings;

the bearings, in turn, ride on the threads of the lead screw. The end result is a smooth action which requires less torque and that will not bind.

ELIMINATION OF FAULTS. In addition to the modification of the ball screw and nut, a mechanical stop-ring is added to make sure that the throttle valve does not exceed the limit position switch.

FINER PROCESS ADJUSTMENT. The original screw has 10 threads per inch; the new screw drive has 12 threads per inch. This increased thread count further reduces the torque loading on the motor, and helps to retain the position of the throttle valve while under vacuum conditions. Because of this difference, a new end count must be entered into the system—15,500 is typical for the new unit.

