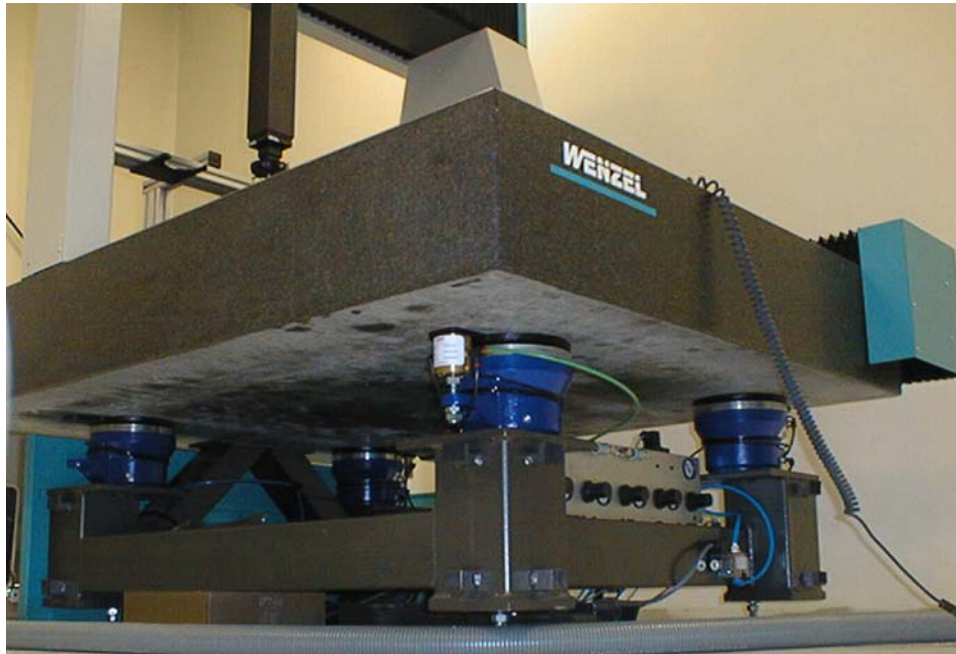
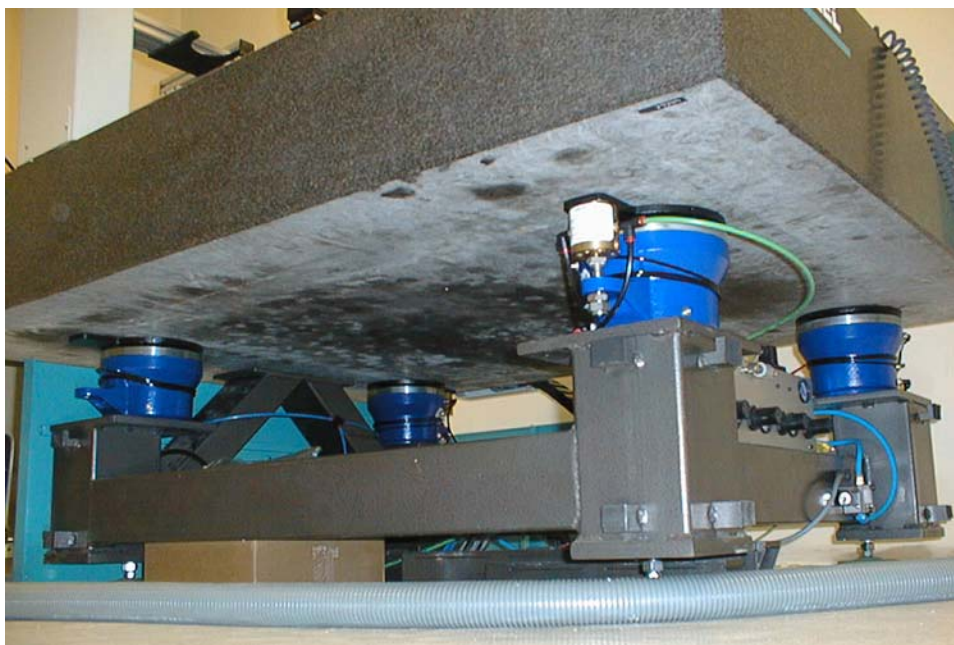


**Wenzel LH87 CMM**  
Toshiba Flat Panel Manufacturing Facility



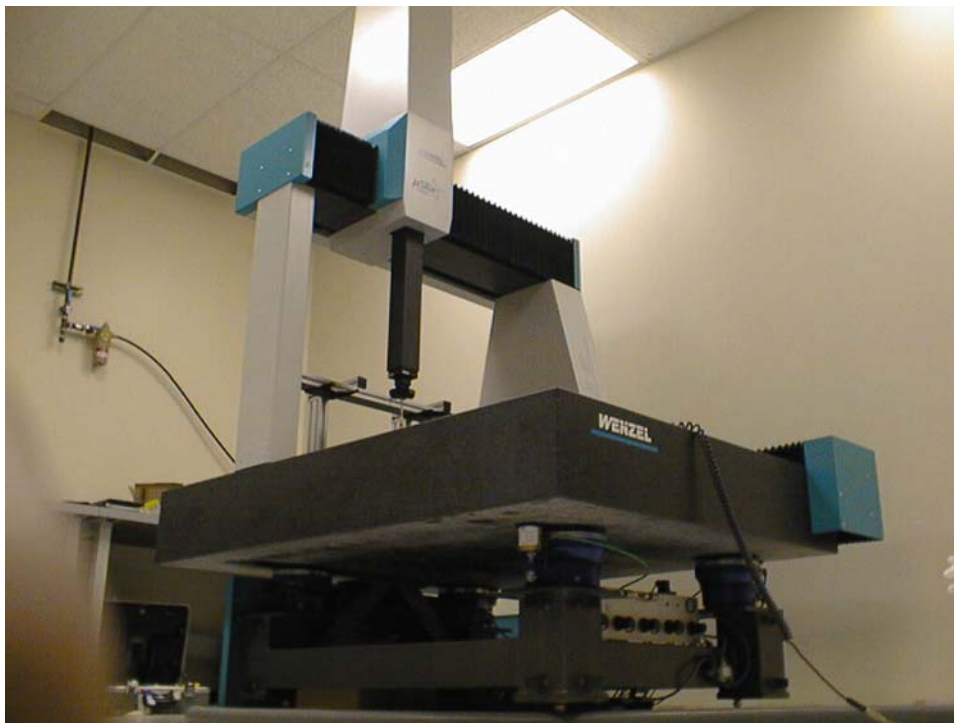
This Wenzel LH87 CMM was experiencing excessive force on its probe, which in turn created inaccurate measurements. The error was due to a large vibration amplitude occurring at 6.0 Hz on the machine's frame.



Fabreeka performed vibration measurements on the facility floor and the CMM simultaneously in vertical and horizontal axes. The data was then used to determine the correct isolation system.



A pneumatic isolation system was installed on the existing machine frame. The system has a vertical natural frequency of 2.5 Hz and utilizes high precision leveling valves.



The resultant vibration measured reduced the excessive force being applied to the probe and the machine now measures to its 0.005 mm accuracy as intended.