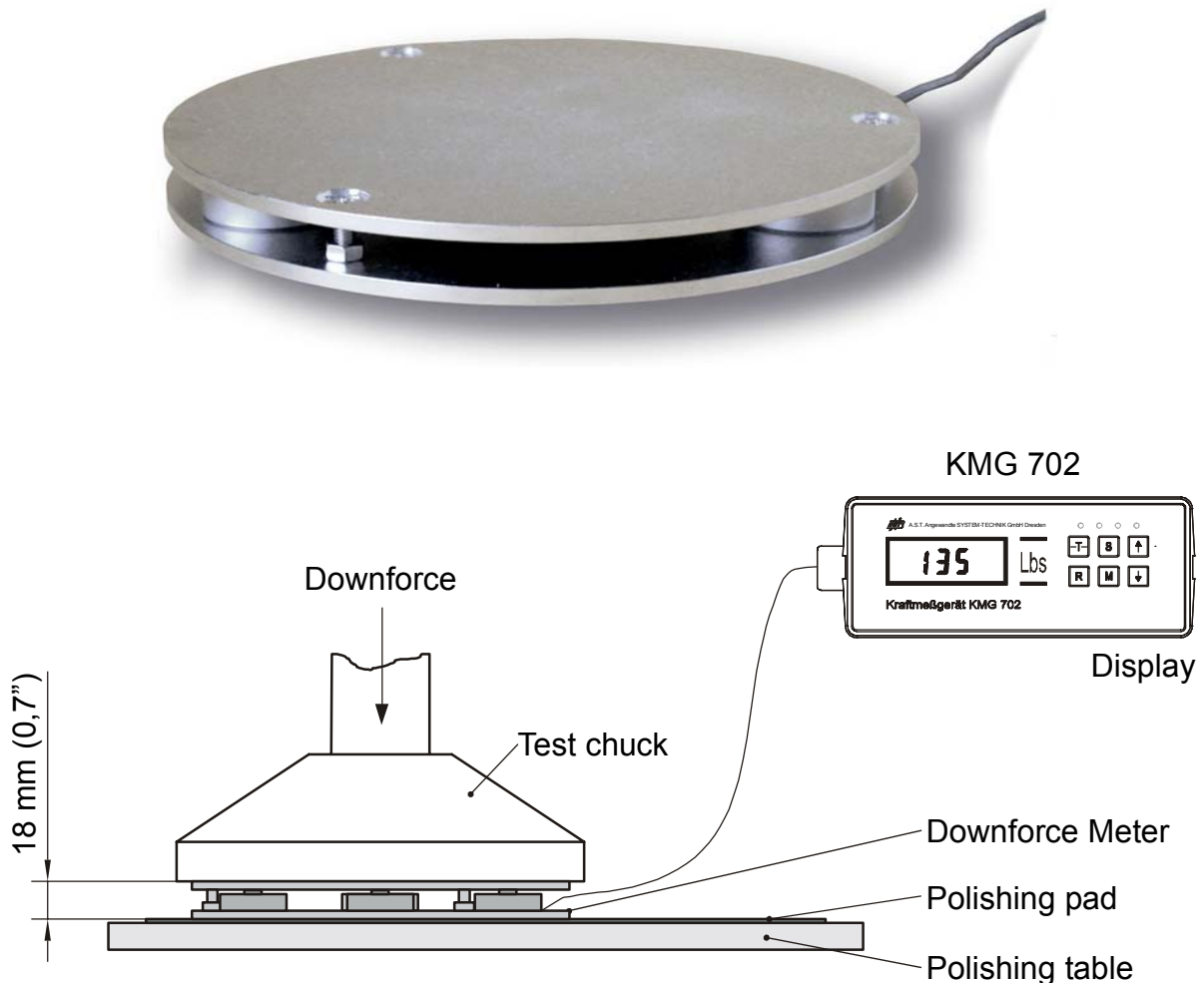


# DownForce meter for calibration of CMP systems

## Enables safe, accurate and reliable downforce calibration



A.S.T. offers a force measuring device especially made to check and calibrate your polishers downforce. It outperforms all common single sensor setups.

Usually the applied downforce is measured by a load cell on the machine and has to be calibrated regularly. To improve the calibration accuracy and thus increase production yield, we developed a unique measuring plate. The DownForce meter is only 18mm thick and achieves a measuring

accuracy of 0.2%. The DownForce meter utilizes three low profile load cells integrated between two disks. Thereby interfering load introduction influences are eliminated. The measuring plate is watertight and complies with the clean room standard US Fed 209. A.S.T. offers a force range from 600N (135lbs) to 6kN (1350lbs). Diameters of the plate can easily be customized. A.S.T. offers re-calibration, also according to German DKD or other standards.