New Functionalities from air bearings acting on films
Tim Claffey, New Way Air Bearings

Air bearings are providing breakthrough enabling technology by acting directly on substrates. FPD glass controlled through processes by air bearings without contact. Flexible films flow over non-turning “Air Turns” rather than contact rollers. Viscous shear in air films is used for tension control between “Air Turns” and across the web. High pressure boundary layer scrubbing for effective cleaning and drying with convective film co-efficients allowing rapid precision temperature control. Air bearing seals isolate process environments.