

Television scanning microscope comprising sequentially connected a clock generator, a blanking pulse shaper, a first video amplifier, a projection cathode-ray tube, a lens behind which a test object is placed, a photomultiplier tube, a second video amplifier, a comparator, a coordinate determination unit, a memory unit, X and Y coordinate comparison units, a scan start unit, X and Y coordinate scanning signal shapers, voltage-to-current converters, and X and Y coordinate deflection coils. The television scanning microscope additionally comprises a raster center determination unit, a raster shaping unit, a micro-object displacement distance calculation unit, a micro-object displacement time calculation unit, and a micro-object speed calculation unit.