

A tape-feed mechanism comprises a capstan with two pressure rollers for magnetic tape drawing, two by-pass rollers and two tape guide rollers at input and output of working zone, magnetic heads and ellipse-like plate with cylindrical grooves. Magnetic tape and magnetic heads are arranged around the ellipse-like plate which two cylindrical grooves for by-pass rollers are arranged at opposite sides of major axis of ellipse, and the rest are arranged opposite to working surfaces of magnetic heads. The cylindrical grooves arranged opposite to working surfaces of magnetic heads are C-shaped and have the depth exceeding radius of curvature thereof, and have cylindrical elements of foamed rubber material.