

OFFICE EQUIPMENT

Material:- Aluminium Low carbon steel.

The design requirements for the magazine for a hand stapler machine are wear resistance, dimensional control, corrosion resistance with an aesthetic appearance. Low temperature carbonitriding followed by chrome plating had been the traditional route, but, this gave excessive distortion leading upwards of 40% rejection. An aluminium stabilised plain low carbon steel was used and the Nitrotec process produced a 20-35 μm thick epsilon iron nitride layer, fulfilling all of the design requirements.

