

Buttonhole Stitching Machine

Developed by Anil Rashmikant Kamdar (42) hails from Godhra, Gujarat. In the year 1999, he began work on the machine. "While repairing sewing machines, I came across problems inherent in the Japanese and American versions of the buttonhole sewing machines. I did not copy these existing versions, but rather designed a different one, with newer functions and modes," he had little knowledge in designing machines, the task was challenging. "I struggled on getting the right functionality of the plate, over which the cloth moves while stitching. And this took me a quite a while," He dared to invest about Rs.4-5 lakhs from his meagre income, on making his dream a reality, over a period of four years inspite of severe family and financial pressures.

His machine provides for the fully automatic sewing of buttonholes. It requires only the simple manual adjustment of one element to selectively determine buttonhole length prior to initiation of sewing. On an average this machine can do 100- 120 buttonholes per hour. This low cost button-hole machine runs on a 0.25 HP, 2880 RPM electric motor. The length, width and spacing of the buttonhole for different fabrics can be varied at ease and calibrated with adjustment screws with automatic gear change lever to set different speed settings