ABSTRACT

The terminal type SBA 610 have been produced with same process that using the three punch and die couple in the PT. Indo Prima Gemilang Engineering Tandes Surabaya. There are many of disable that found, especially of material productivity, unarrangement of material layout strip so finally the useless of material and product time is not effectively. Because it used manual process in 1 process to 2 process and 3 process.

Design of progressive tool matres was done by six process in die and punch among 1 process piercing, 2 and 3 process piercing, 3 and 4 process piercing, 4 process is emboss, 5 process is bending, 6 process is blanking, the process system is continue so that move effective and fast. This design is to determine of tool geometry, material layout strip, clearance, and bending.

With this design, will be found that 1200 x 50 mm sheet plate to be 30 product, engine capacity is 1812 kg, the clearance is 0.095 mm/sisi.