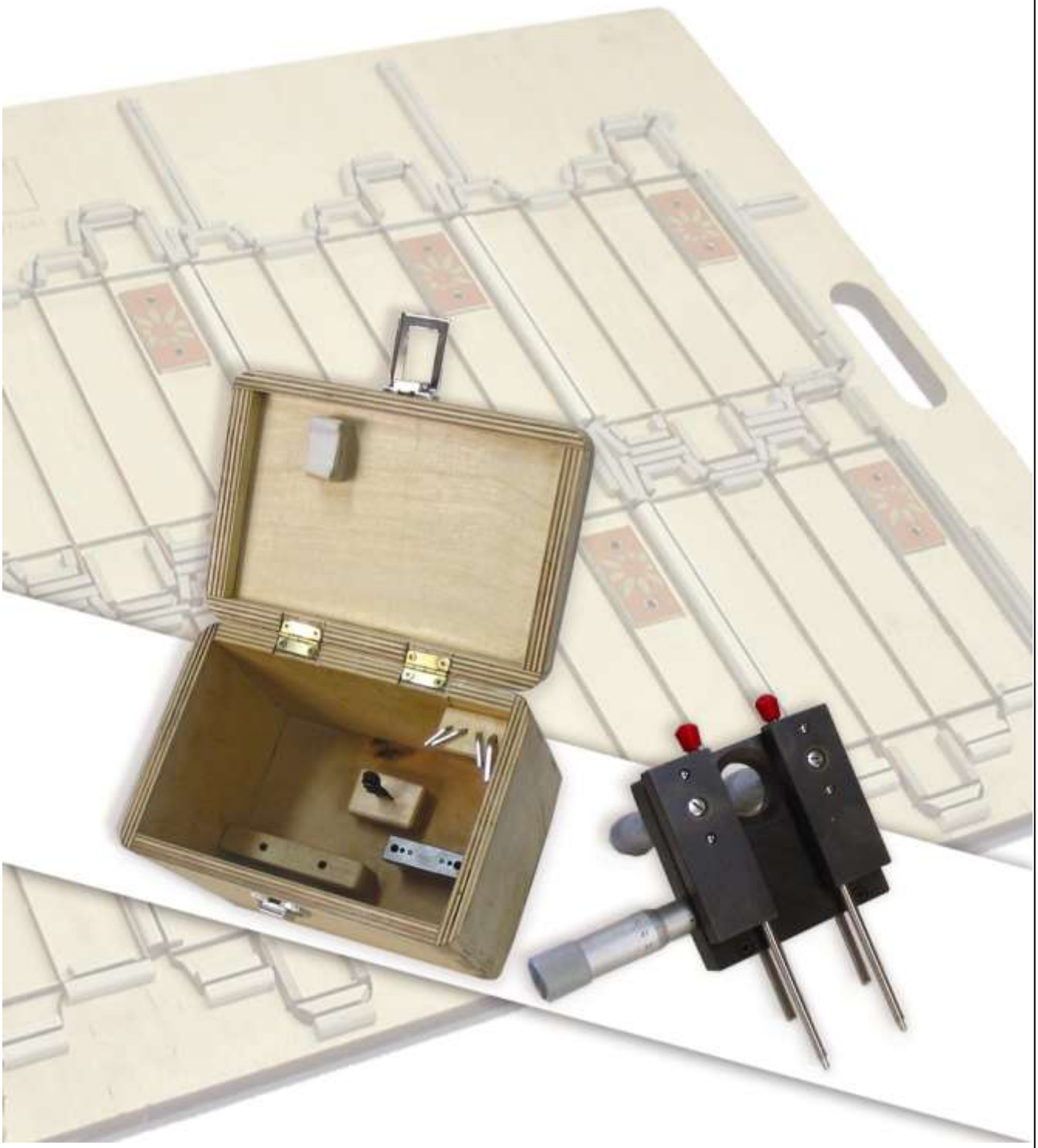
WYKROJNIKI MICHAEL

Positioner for embossing matrix



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The tool is constructed in the way not to have its usefulness limited by the die design.

To place the tool in the die you use two steal pins ∅5 mm. In the die you need two holes for the pins. You can choose two of four holes positions prepared in the tool – in four diffrent ways. That way you can adopt the distance beetwem holes to the die design.

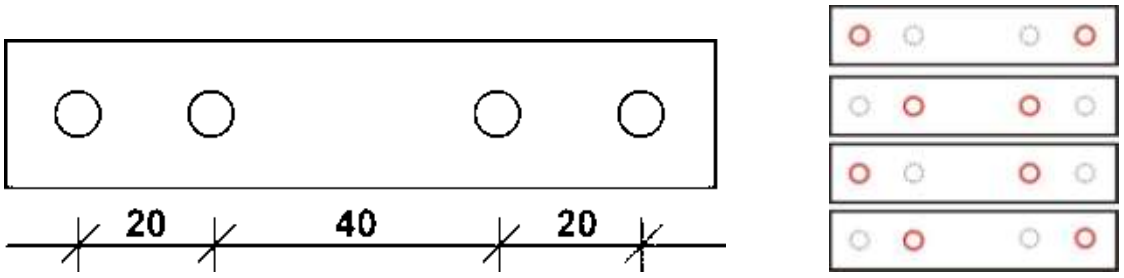


Fig. 1 The holes module in the tool and possible positions of two used holes.

You need to have two small fitting-holes (∅3 mm) also in the matrix. You can choose two of four prepared in the tool in the same dimension module as well (Fig 1.)

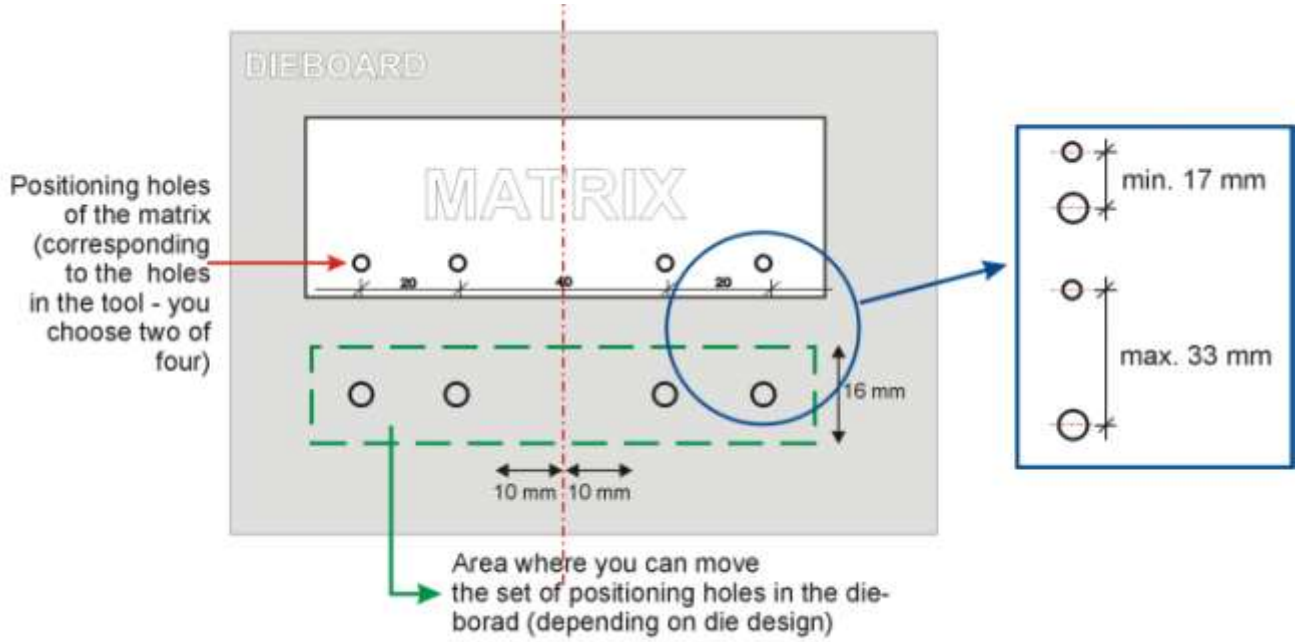


Fig. 2 Positions of the holes on the die board and matrix

You can fix the position of the choosen set of holes in the die board inside the given area (green line). The tolerance of movement in Y axis is 16 mm. But the minimal distance beetwen the die-board holes and matrix holes is 17 mm. You have also 10 mm flexibility in X axis (each side).
The possibility of choosing the distance beetween holes and than their position makes te tool useful for even complicated dies with small elements.

When you put the tool on the die you can position the matrix using three micrometric screws, and than tighten the matrix screws. If the holes in the die are made very precisely (designed together with the matrix) you can transfer the fixed position to the rest of the matrix on all the ups. That way you can shorten the time of positioning several times.

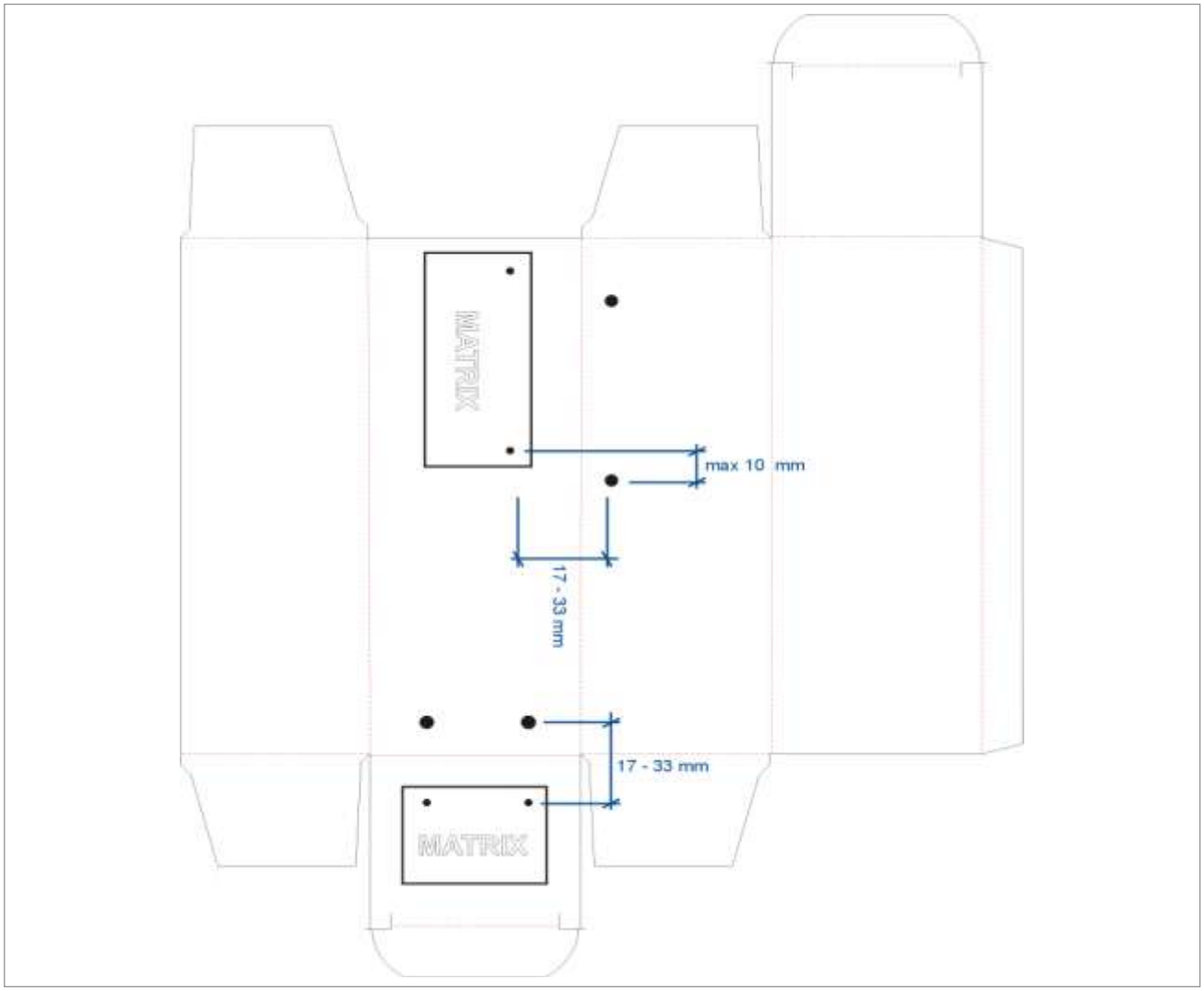
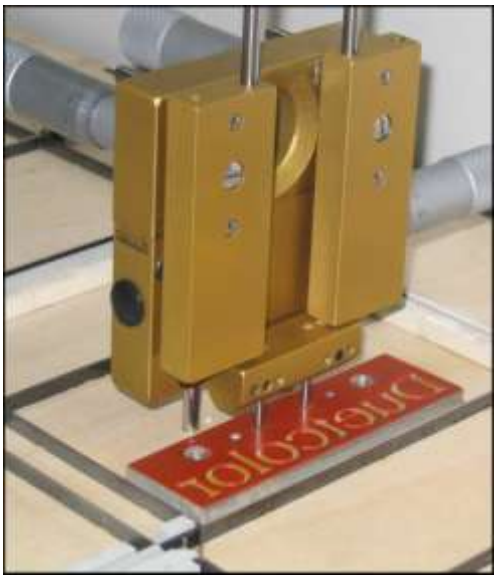


Fig. 3 The example of holes positioning in the die board and matrix.



For positioning small matrices, you can use an adapter shown in the picture on the right. This adapter enables adjusting small matrices where the distance between base holes is too large to use positioning tool (boxes for cigarettes or medicines). The distance between base holes may be 2,0 to 3,0 cm.