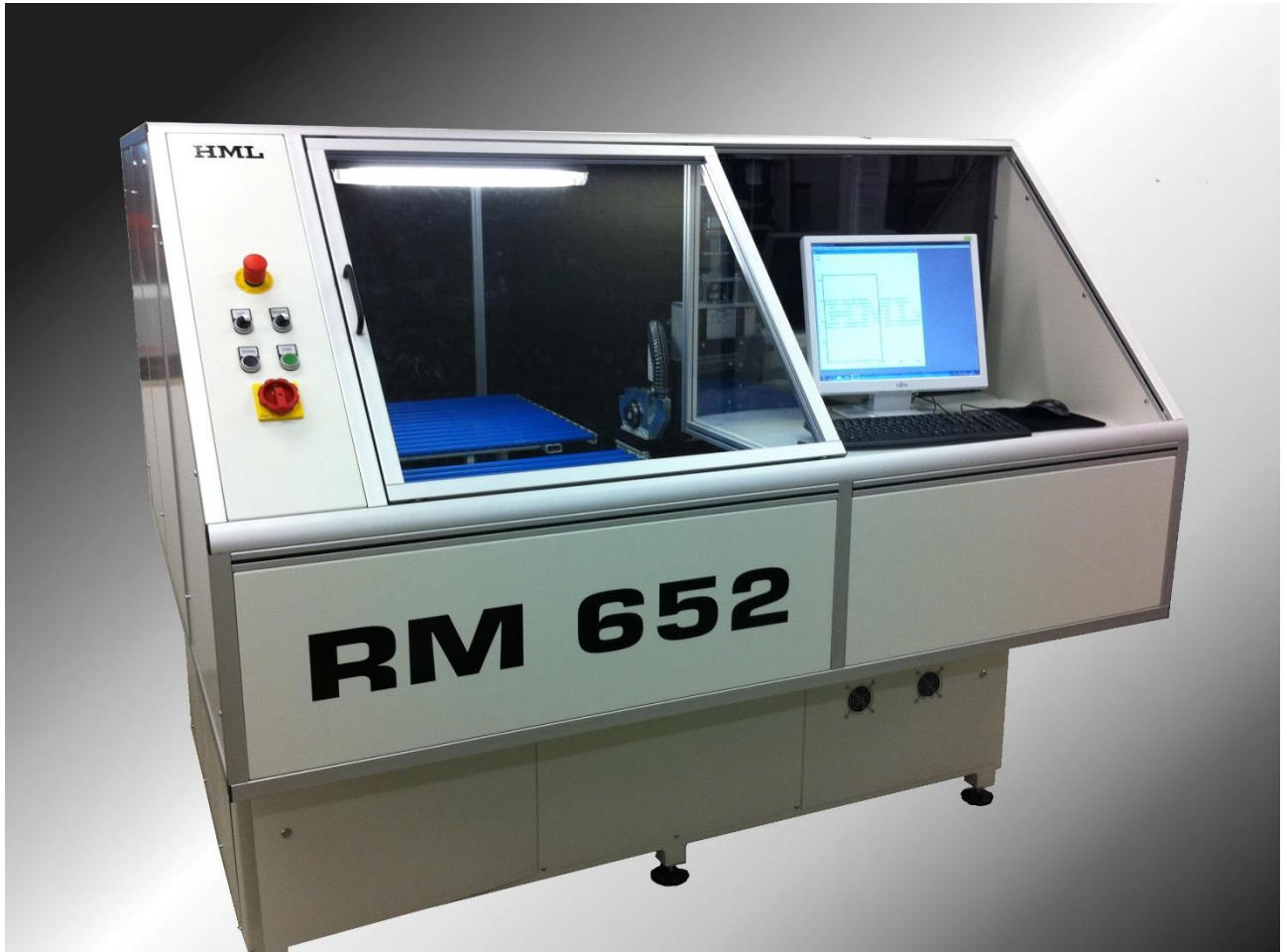


CNC-SCORE MACHINE RM 652



Technical description

The CNC score machine RM 652 with skipping device is used for score nominal area grooves in printed-circuit board multi-panels, which allows an easy break-off of individual PCB's.

The machine permits one and two-sided score optionally, where the smallest adjustable distance between two score lines is theoretically 0,02 mm. The dimensions of the multi-panels may be 120 x 120 mm and 650 x 650 mm max.

It is possible to process all known substrates from FR 2 to FR 4, multilayer, polyimides as well as green ceramics, in thicknesses between 0,5 and 3,2 mm.

...

Page -3-

<i>Positioning speed</i>	
<i>x-axis</i>	15 m /min.
<i>y-axis</i>	40 m / min.
<i>two z-axis</i>	2 m / min.
<i>Cutting speed</i>	programmable 0,5 to 40 m /min.
Saw blade drive	AC control
Speed range	continuous control, 2500 to 10000 1/min., stepless
<i>Nominal capacity</i>	1,2 kW
<i>Slitting saw blade</i>	massive hardmetal alternative optional diamond charging; Dm 120 x 2 x 40 mm - 30° (or alternative)
<i>Carrier system</i>	
<i>Carrier Standard</i>	1 pin fixed and 1 pin sliding movable (or alternative - Option)
<i>Pin Standard</i>	diameter 3,0 mm (or alternative)
<i>Min. distance middle of pin to 1. score</i>	8,0 mm
<i>Parallelism pin - score</i>	+/- 0,03 mm
<i>Score dates</i>	
<i>Jumps per scoreline</i>	0 to 100
<i>Jump tools</i>	100
<i>Scorelines</i>	0 to 1000
<i>Score dividing</i>	programmable
<i>Score depth</i>	programmable
<i>Score tools</i>	100
<i>Width of remaining material</i>	min. 0,2 mm
<i>Control system</i>	
<i>Hardware</i>	PC-Control
<i>Operating system/ Software</i>	Windows 10 Professional
<i>Rima Software</i>	written in C++
<i>Electric mains</i>	230 V; 50/60 Hz

...

Page -4-

<i>Power consumption</i>	<i>2,5 kW</i>
<i>Compressed air supply</i>	<i>6 bar</i>
<i>Dimension (LxWxH)</i>	<i>2000 x 1900 x 1750 mm</i>
<i>Weight</i>	<i>790 kg</i>
<i>Noise level</i>	<i>75 dB</i>