

DIAPART 7100



Technical data:

Machine:	DIAPART 7100	DIAPART 7200
Area of application:	For smaller format panels up to 150 mm edge length	For panel dimensions up to 320 mm and more
Speed:	3000 - 12000 min-1	2000 - 10000 min-1
Input-/Output Power:	max. 600 Watts / 180 Watts	max. 1000 Watts / 310 Watts
Switching-on time:	100% (cont. operation)	100% (cont. operation)
Cutting height:	0 - 2 mm	0 - 3 mm
Panel height:	max. 5 mm	max. 19 mm
Traversing path:	fixed table	330 mm slide table path
Tool:	Ø 63 mm x 0.25mm	Ø 100 mm x 0.25mm
Dimensions (WxHxD): ¹⁾	460 x 300 x 310 mm	800 x 410 x 665 mm
Weight:	ca. 14 kg	ca. 26 kg
Connected load:	230V / 50Hz	230V / 50Hz
Noise level:	idling ca. 72 dbA cutting ca. 78 dbA	idling ca. 71 dbA cutting ca. 78 dbA
ESD-Protection:	earth connection for wrist joint band	earth connection for wrist joint band
Special characteristics:	overheating cutoff, electronic torque cutoff, load-dependent tacho-control motor speed, double-V-belt	overheating cutoff, electronic torque cutoff, load-dependent tacho-control motor speed, special-V-belt

¹⁾ Machine dimensions with suction arm

Application:

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Cutting scribed PCB's, SMD or conventional, with fittings on one or both sides. The panel is pushed on a steel guide over the diamond milling disk and cut off in the process.

Advantages:

- High cutting performance up to 100 mm/sec.
- Absolutely accurate cutting edges with high dimensional accuracy, without unravelling!
- The scribe markings on the PCB panels can be produced cheaper and stronger:
 - a) A scribing depth of ca. 0.3 mm is sufficient.
 - b) Only one side need be scribed.
- The continuous height adjustment of the diamond cutter means that PCB's with projecting components can also be cut without damaging them.
- Dust is extracted efficiently by specially developed dust conveyer chambers.
- Conductor paths can extend to the furthest edge of the individual panels, and components can be fitted up to a distance of 0.3 mm from the edge of the PCB without any problem.
- No mechanical overloading occurs during cutting.
- The machine is earthed to protect touch-sensitive parts.
- The compact construction permits operation on every level working table.

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