

RDC 15 stepper motor drive – Dip Coater



The RDC 15 is a machine designed for laboratory dip coating of modern liquid photoresists. Today a more and more popular application is the so called: "sol-gel-application". This machine was developed to meet the demand of a greater variety of speeds, iterations, dipping and drip off times and heavier workpieces.

features:

- lift bar for several workpiece fittings. The dipping height and the sizes of the aluminium profiles can be easily adapted to even dip coat bulky items.
- The insertion and the drawing or coating speed is separately adjustable from 30 mm/min until 7200 mm/min.
- The dipping time as well as the drip-off-time (pause time up and down) is separately adjustable from 1 s up to 99h : 59min : 59s. This enables the machine not only to coat but to precisely develop. This is of great importance with certain photo coatings of the miniature etching technology.
- Up to 8 iterations are possible.
- The working range of the lift bar can be adjusted via the control panel. The maximum size of the workpiece is therefore only limited by the maximum lift range of the machine and the size of your cuvette.
- On request we manufacture Dip Coaters according to your needs. Especially the dipping height and the sizes of the aluminium profiles are easily changed.

Technical Data RDC 15	
Stroke length	120 - 605 mm
Maximum load:	1,5 kg (
Weight:	12 kg
Dimensions (BxTxH):	21x41x112 cm
Dipping Time:	0,5s – 100 h
Drip Off Time:	0,5s – 100 h
Insertion speed	Programmable from 30 mm/min - 7200 mm/min
Drawing speed	Programmable from 30 mm/min - 7200 mm/min
Iterations	Up to 8 times
Power supply:	100-240 V, 50-60 Hz, 1,6 A

Speed Steps related to mm/min	
Steps	mm/min
00	75
10	312,5
20	787,5
30	1162,5
40	1525
50	1900
60	2375
70	3275
80	4400
90	10575
99	18000

Technical changes without note. Copyright : 1/09 jb



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