

## Machine Specifications

**Name of Machine : Electromagnetic Crack Detector**

**Model No : EMCD2015 YF 07 (BA), Month & Year of Commissioning : June 1992**

**Machine Maker : M/s Magnafield Controls**

<b>Sr</b>	<b>Machine Parameters</b>	<b>Units</b>	<b>Specifications</b>
1	Job Testing Capacity	mm	Max 700, Dia 80, kg 75
2	Output	%	0-2000 amps in 6 steps
3	Capacity of magnetic bath tank	ltrs	30
4	Job Clamping Height from Floor	mm	1000
5	Machine Dimensions without dark room	mm	L=2000, W=560, H=1350
6	Machine Dimensions with dark room	mm	L=2000, W=1100, H=2300
7	Weight of Complete Unit	kg	500
8	Crack Detection Capacity		Detect all surface and near surface cracks
9	Application of magnetising current shot		By foot switch
10	Duration of magnetisation	sec	1 sec for circular and 2 sec for longt. Automatic control by electronic meter
11	Agitation and Circulation of bath		By a pump operating on 415 volts, 3phase power supply
12	Duty Cycle		The machine is design for continuous operation for routine inspection
13	Magnetic powder used		Magnaflux fluoresent by wet continuous method using black light. Day light powders black or red are also usable
14	Compressed air requirements		at 5 kg per cm square, moisture free and lubricated