

पेटेंट कार्यालय  
शासकीय जर्नल

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पेटेंट कार्यालय का एक प्रकाशन  
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(54) Title of the invention : UNIVERSAL CENTRIFUGAL CASTING MACHINE

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(57) Abstract :

Abstract Universal Centrifugal Casting Machine enables users to have different axis of rotation of mould in a single machine. Shaft-2 (Horizontal Shaft) (4) is used to hold the entire Mould Housing 1, 2 and 3 (3) and Electric Motor (9) structure and supports it. Shaft-1 (Vertical Shaft) (1) can swing between the angles of 0° to 90°. Bearing Housing (2) is used to hold the bearings and allow Shaft-1 (Vertical Shaft) (1) to rotate freely. (As shown in figure-9), Bearing housing (2) is the junction of Shaft-1 (Vertical Shaft) (1) and Shaft 2 (Horizontal Shaft) (4). Both the shafts (Shaft-1 (Vertical Shaft) (1) and Shaft 2 (Horizontal Shaft) (4)) are at a right angle to each other. Shaft 2 (Horizontal Shaft) (4) is fixed into the Bearing housing (2). Electric Motor Base support plate (5) provides the platform to support the Electric Motor (9) and also has a locking stud (8) to hold the Electric Motor (9) and Mould Housing 1, 2 And 3 (3) at any angle ranging from 0° to 90°.

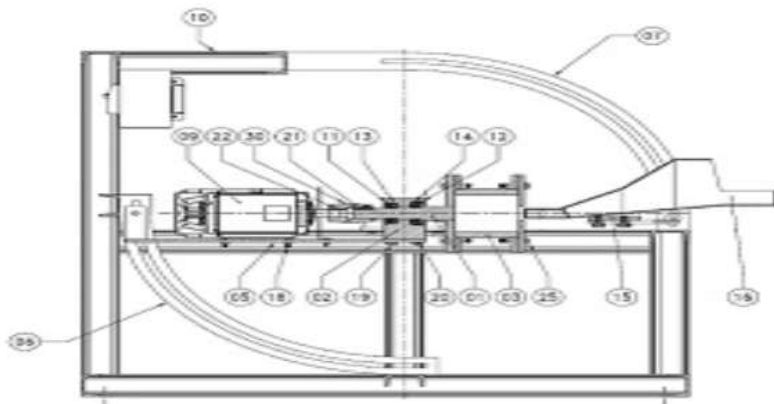


Figure-1: Sectional Elevation of Universal Centrifugal Casting Machine

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