

## Durville “Tilt Casting” Machine

A number of non-ferrous alloys are prone to the formation of oxides during the movement of molten metal, commonly referred to as dross forming alloys.

Around the turn of the last century a Frenchman called M. Durville devised a non-turbulent tilt pouring method for dross forming alloys and has been known as the “Durville” Process ever since.

In other parts of the world the method is also known as tilt casting and top pouring.

These machines are commonly used for making ingots for onward processing.

These machines are available in four standard sizes and are constructed from tubular, heavy steel fabrications, machined where appropriate for bearing and propriety part location.

A variable speed drive unit is connected to a revolving/tilting table by means of a planetary motor gearbox. The tilting speed is controlled by the inverter unit and is infinitely variable within the speed range to give accurate control of the tilting speed. The machines, depending upon customer requirements, can be mobile or static, with the larger units having remote controls.



DC 1 One Tonne  
DC 2 Two Tonne



DC 3 Three Tonne  
DC 3.5 Threes & Half Tonne  
Other sizes available on request

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