

Equipment Name : ABRASIVE CUT - OFF MACHINE
Model No : ACM

Application: The cast components have to be cut-off at the in-gate from the main sprue or runner bar. The Abrasive gate cut-off machine is used for this purpose. The ACM provides for a quick clean cut and is cost effective to use.

Description : This is an adjustable rpm abrasive cut-off machine with appropriate job clamping facility. The machine is completely enclosed in a safety enclosure and provided with dust removal port to be attached to a dust collector.

Scope of Supply : includes design, engineering, manufacture, assembly, packing, forwarding, performance trial before dispatch, erection commissioning at site.



Specifications and Salient Features:

Capacity : To cut Steel and alloy steel investment castings from the main sprue at the in-gate.

Wheel rpm : Adjustable – 4500rpm max.

Job locating : The machine is provided with an X-axis stroke 300 mm and Y-axis stroke 150 mm table, on which the job is clamped.

Job Clamping : Mechanical clamping device is provided to firmly clamp the cast tree in place while the components are being cut off. Standard size “T” slots are also provided to clamp irregular shaped jobs suitably.

Abrasive wheel : Standard cut-off wheels of dia. 400mm. max.

Incastt Machines

Mfrs: Investment Casting Foundry Machines.

Work Bed	:	The job mounting work bed allows a working space of 200 X 350 and is provided with suitable no. of standard sized "T" slots. The work-bed allows X-Y travel, for job positioning & cut-feed.
Cut – Location	:	The Y-axis travel is 150mm. The longitudinal movement of the job mounting table is controlled by way of hand wheel. This enables the operator to precisely locate the cut.
Cut – Feed	:	The cross-feed travel is 300mm. The X axis movement of the job mounting table is controlled by way of hand wheel. This enables the operator to control cut-feed as required.
Wheel – Location	:	The Z-axis travel is 350mm The vertical movement of the cut-off wheel is hydraulic. This allows precise positioning and also enables cutting along Z-axis.
Drive	:	5Hp, 2800rpm, 3 Phase induction motor of reputed make.
Motor	:	Siemens / Crompton Greaves / equivalent.
Protection	:	The whole machine is housed within a cabinet. The cabinet is provided with appropriate door and fitted with safety glass. The cut-off wheel is appropriately enclosed with a facility for easy changing of wheels.
Control panel	:	DOL is provided along with the machine.