

FLAMINGO

Profile Cutting Machine



Flamingo is a small portable radial arm oxygen cutting machine. Being small in size and light in weight, the machine can be easily carried to the worksite and placed directly on the plate to be cut. As the machine is mounted on four ball castors, it can be moved about on the plate as required.

The tracing roller is magnetised by a solenoid coil and driven by an electric motor follows the edge of steel templates of virtually any shape guiding the cutting torch to cut the desired profile. S.C.R. Control ensures stable stepless speed variation and smooth running.

Thrust ball and needle roller bearings used on rotating joints provide free and frictionless movement of the arms.

Efficient design of rack and pinion systems ensures smooth and easy movement of cutter and template in both horizontal and vertical direction.

RECOMMENDED ADDITIONAL EQUIPMENT

1-IOX-14 Oxygen Regulator.	1-Spark Lighter.
1-IDA-50B Acetylene Regulator.	1-Cylinder Key.
1-10 metre long - 5 mm Hose (Black) for Oxygen.	1-Spindle Key.
1-10 metre long - 5 mm Hose (Red) for Acetylene.	1-Outfit Key.
1-Pair Welding Goggles.	1-Hose Clip 5 mm.
	1-Pair Leather Gloves.
	2-5 mm Connection for G.

DESCRIPTION

The machine is constructed in three main section - Base and Column Sub-assembly, the Main Arm Sub-assembly and Top Arm Sub-assembly.

Item No.	Description
1	Base and Column Sub-assembly
2	Main Arm Sub-assembly
3	Top Arm Sub-assembly
4	Spindle Lock Sub-assembly

Specifications

Weight : 58 Kg. approximately.

Power Supply : 220 Volts, 50 Hz AC.

Drive Motor : Universal Single Phase Fractional Horse Power Motor - 220 V.

Speed Control : S.C.R.

Magnet Tracing Roller : 12.7 mm dia. and 10 mm dia.

CUTTING CAPACITY

Cutting Thickness : 3 mm to 150 mm thick mild steel.

Machine Speed : 100 mm/min to 750 mm/min (with 12.7mm dia. roller).

CUTTING AREA

Template mounted on Template Holder : Any profile within 30 mm to 740 mm dia. circle.

Template mounted on Centre Shaft : Any profile within 700 mm to 2000 mm dia. circle.

Standard Equipment : 1-A 16 Cutting Nozzle.

1-5 metre long 3 core T.R. Cable.

N.B. Nozzle sizes A-8, A-12, A-20 and A-24 are available as optional extras.

*Caution - Any Movement of the machine should be done by holding the Base Plate. Do not use any other part for movement.

ESAB

CUB MK II A

Profile Cutting Machine

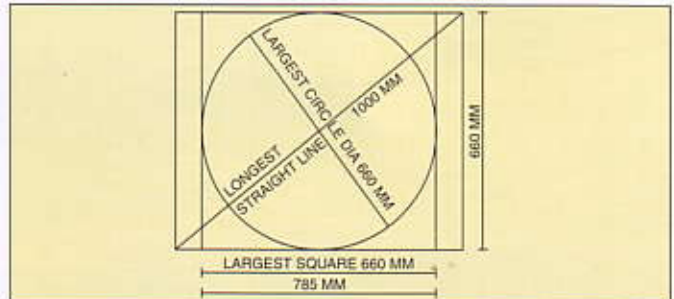


The CUB MK IIA Profile Cutting Machine has all the qualities essential for oxygen profile cutting on a small capital outlay. This makes it an attractive proposition for small workshops, engineering establishments or maintenance departments.

The machine is of cross carriage type with a rigid tracing table spanned by the carriage which travels the length of the table. Mounted on this carriage is a cross carriage having at one end cutting torch and at the other a drive unit incorporating a magnetic tracer head. An electric motor with an integral gear unit drives the magnetic tracer at speed controlled by a potentiometer. With both magnet and motor switches on, the magnetic tracer, when brought in contact with a steel template, attaches itself to the template and goes around its profile automatically. The cutting torch being attached to the main beam of the cross carriage, reproduce the movement of the magnetic tracer. It, thus, enables the machine to make a cut which reproduces the shape of the template. The material to be cut is supported on cast iron 'dogs' placed 'Tee' bars with suitable work rest, supplied with the machine.

A template mounting attachment is provided with each machine to take the steel template. Though the machine is primarily meant for profile cutting, the levels up to 45° can be cut in straight lines parallel to the longer edge of the table.

Acetylene or LPG can be used by selecting appropriate nozzle.



RECOMMENDED ADDITIONAL EQUIPMENT AND ACCESSORIES

REGULATORS

Heating/Cutting Oxygen : IOX-14-1No.

Fuel Acetylene : IDA 50 - 1 No. LPG : LPG-18 - 1 No.

HOSES

Oxygen : 1-10 metre long - 5 mm Hose (Black)

Fuel : 1-10 metre long - 5 mm Hose (Red)

ACCESSORIES

Welding Goggles - 1 Pair

Leather Gloves - 1 Pair

Spark Lighter - 1 No.

Cylinder Key - 1 No.

Spindle Key - 1 No.

Outfit Key - 1 No.

Hose Clip 10 mm. - 4 Nos.

Specifications

ELECTRICALS

Power Supply : 220 Volts AC 50 HZ

Motor : Series Fractional Horse Power.

Motor Control : Potentiometer speed control system

CUTTING CAPACITY

AREA : Any profile within a rectangle of 785 x 660 mm (approx.)

LENGTH : Largest straight cut of 1000 mm (approx.)

THICKNESS : Upto 75 mm Mild Steel

CUTTING SPEED : 100-625 mm (approx.) per minute with 12.7 tracer.

CUTTER

Type : Injector/NM (gas mixing)

Model : IMC-6 / NMC-6

Fuel Gas : Dissolved / Generated Acetylene or LPG

CONTROLS

Power : FWD-OFF-RV

Gas : Colour coded valve knobs

Speed : Continuous Variable rotary knob.

Cutter movement : Rack and Pinion.

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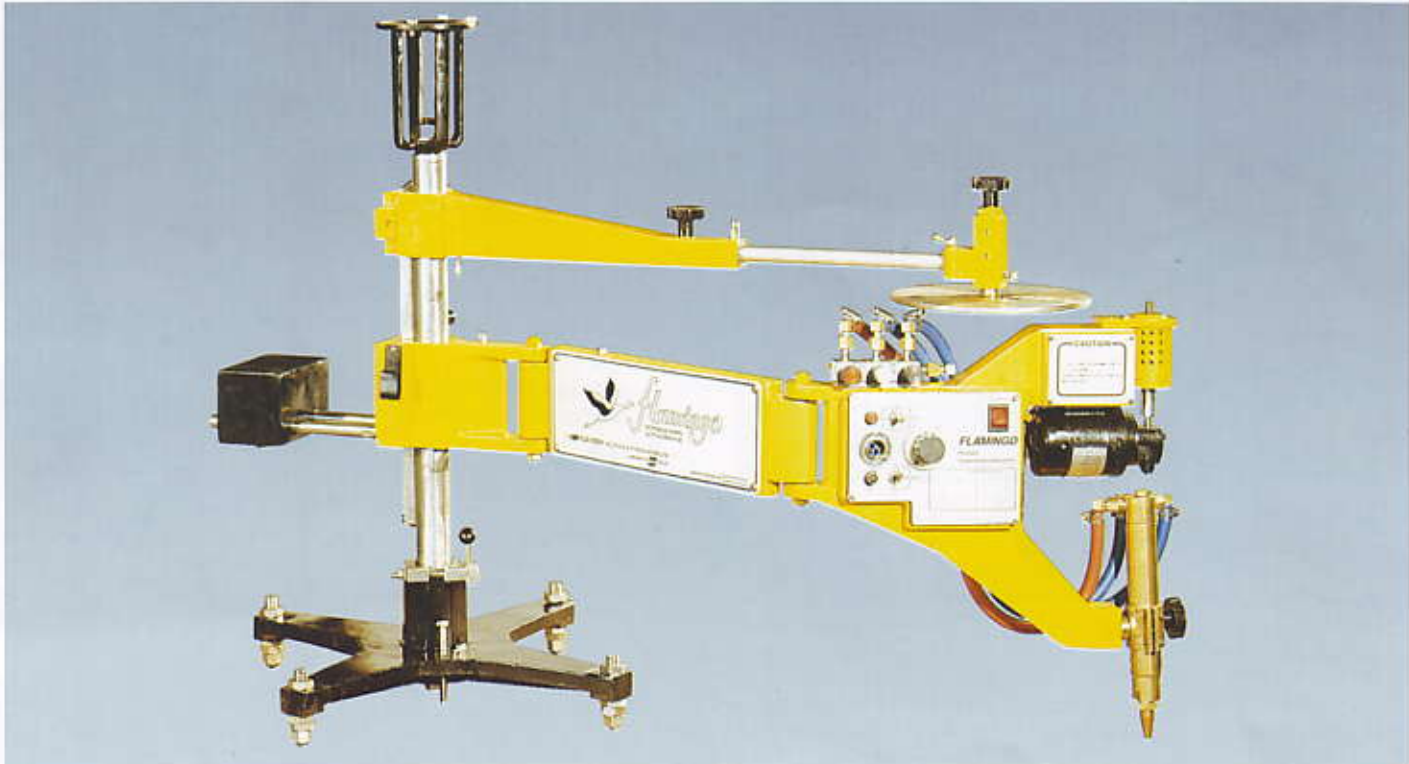
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