



AUTOMATIC PIPE CUTTING MACHINE

FOR PIPES HAVING DIAMETER 76 MM TO 168.3 MM, TYPE – APCM-RJ



• AUTOMATIC LOADING OF THE PIPE •



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WELDMAN make **Automatic Pipe Cutting Machine**, wherein the cutting tool is stationary and the pipe rotates. The pipe is fed to the cutting head with the help of Hydro motor operated Trolley. The in-feed of the pipe stops once the desired length is achieved. The desired length is set depending on the requirement. The clamping and de-clamping of the job is done with the help of a Collate which is actuated by 02 nos. hydraulic cylinders. Once the clamping of the pipe is complete, the Pipe starts rotating. The cutting tool mounted on a slide, which moves the tool towards the pipe and cut the pipe to the required length.

Before starting the operation, the pipes are placed on the Job Loading Structure. One pipe at a time is selected and is placed on the In-feed system.

The length to which the pipe is required to be cut can be set by the stopper. The position of the stopper can be changed depending on the requirement. The stopper is mounted on a structure and is positioned by a lead screw. A scale is mounted on the structure for ease of operation.

After the completion of the cutting of pipe, the Collate releases the pipe and the In-feed Trolley pushes the pipe through the Cutting Head for the next cut.

TECHINCAL SPECIFICATIONS :	
Minimum Diameter of Pipe to be cut	76 mm
Maximum Diameter of Pipe to be cut	168.3 mm
Minimum Length of Pipe to be cut	200 mm
Maximum Length of Pipe to be cut	2200 mm
Clamping	Collate with Hydraulic Cylinder
Sequence of Operation	By PLC
Maximum Length of Pipe that can be taken by the Machine	6000 mm
Hydraulic System Pressure	50 BAR
Tool Feeding Speed	0.2 mm/sec – 0.8mm/sec
Spindle Drive Motor	7.5 HP
Hydraulic System Motor	5.0 HP
Dimension (L x W x H) (Approximately)	13 Mt x 5.5 Mt x 1.5 Mt Height
Weight (Approximately)	1.5 Ton
Repeated Precision of Cut Length	0.8 MM
Both End Parallelism of Cut-Off Pipe	+/- 0.3 MM

Note : Company's policy is one of continuous research and development, hence we reserve the right to modify the specification given in this brochure.

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