

- \* Cuts right angle branches
- \* Accurate mitre cuts
- \* Cuts pipe ends to length
- \* Swinging cutter head for weld control
- \* Oxy- fuel gas or plasma capability
- \* Low capital cost

## Pipemaster

Pipe profiling machine

Standard Pipemasters are fitted with oxy/gas, but plasma, iron powder or router can be fitted on request, enabling a wide range of materials to be cut, for example, mild steel, carbon steel, chrome/moly, stainless steel, copper, cupro-nickel, brass, aluminium and its alloys, rigid plastic etc.

The machines are robustly constructed to a simple design for easy operation, a change from one setting to another taking but a few minutes.

Profile generation is by quickly interchangeable Cams. 3 Cams are provided with each Pipemaster - one Mitre Cam, one 2/3 Cam (which covers most of the saddle work) and one 1/1 Cam (for use where thin wall pipes are to be saddled "size to size" e.g. where the branch diameter is equal to the main pipe diameter).

The drive is by d.c. motor controlled by a full wave thyristor fed from a single phase supply. All have forward and reverse rotation and all machines over 8in capacity have dynamic braking.

All chucks and bearings are designed to carry the

thickest wall pipes up to the maximum diameters that will pass through the chucks.

For larger models up to 12 feet O.D. (3,600mm), please ask for details.

All machines are free standing but may be fastened down if required.

Trolleys, adjustable to pipe diameter and rails are supplied as an optional extra. We recommend that trolleys be used with our machines, (see trolley leaflet for details).

#### Cutting Rate

When cutting bevels the average cutting speed is approximately three quarters that recommended for flat plate. Typical cutting times are approximately as follows:-

4 3/4in (120mm) O.D. x 1/4in (6mm) wall thickness - 35 to 40 seconds depending upon the standard of finish required. For 24in (600mm) diameter x 1/2in (12.5mm) wall, 6 to 8 minutes.

Where the bevel angle is acute these times will vary.

Machine sizes and capacities are :-

Model No.		Max.	Min.	Weight
Model 4	Powered or Hand Operated	4in N.B. 4 3/4in (120mm) O.D.	to 1in (25mm) NB.	60 kg
Model 8	Powered or Hand Operated	8in N.B. 8 3/4in (220mm) O.D.	to 1 1/2in (55mm) N.B.	120 kg
Model 14	Powered or Hand Operated	14in O.D. (350mm)	to 1 1/2in (55mm) N.B.	400 kg
Model 24		24in O.D. (600mm)	to 4 3/4in (120mm) O.D.	1,200 kg
Model 36		36in O.D. (900mm)	to 8 3/4in (220mm) O.D.	3,500 kg

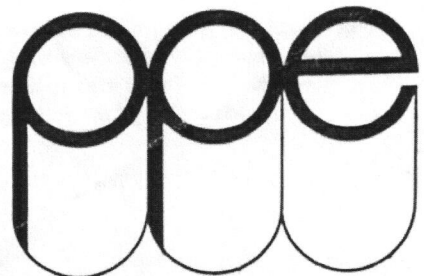
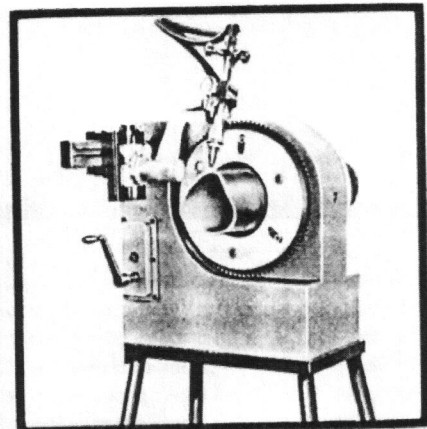
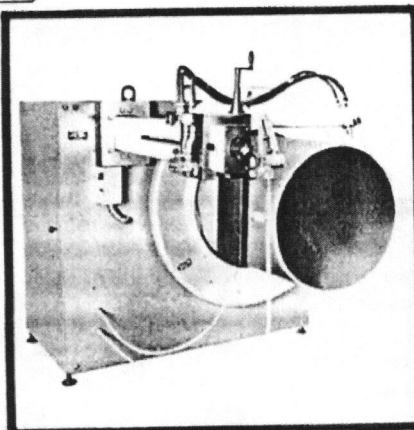
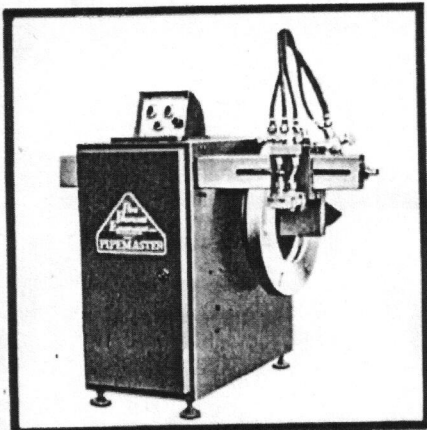
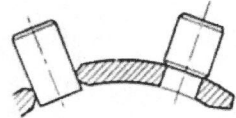
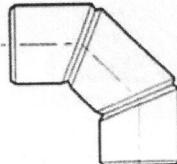
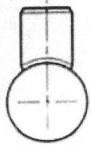
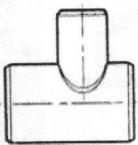
## EXAMPLES

ON CENTRE

UNIFORM BEVEL ANGLES

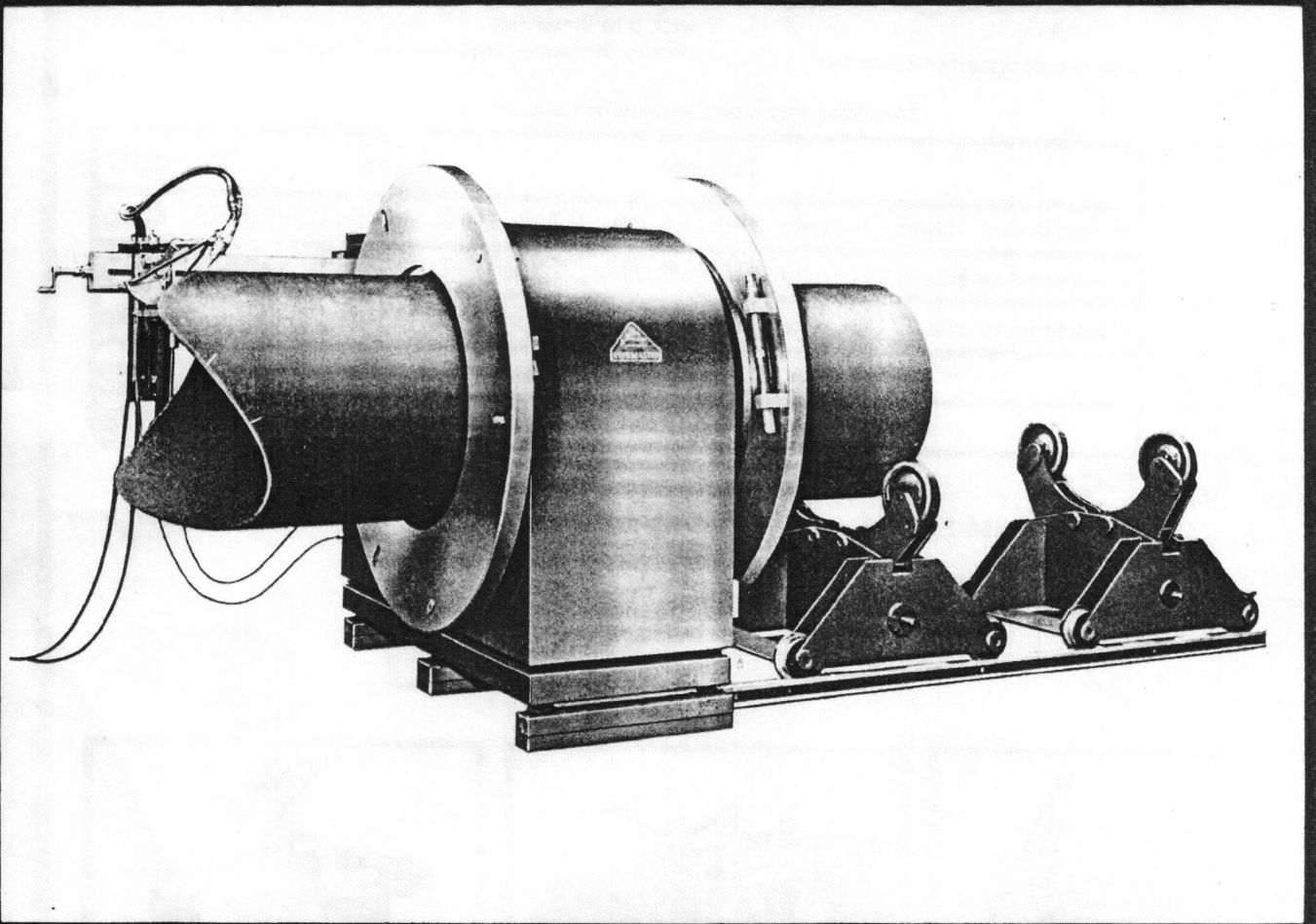
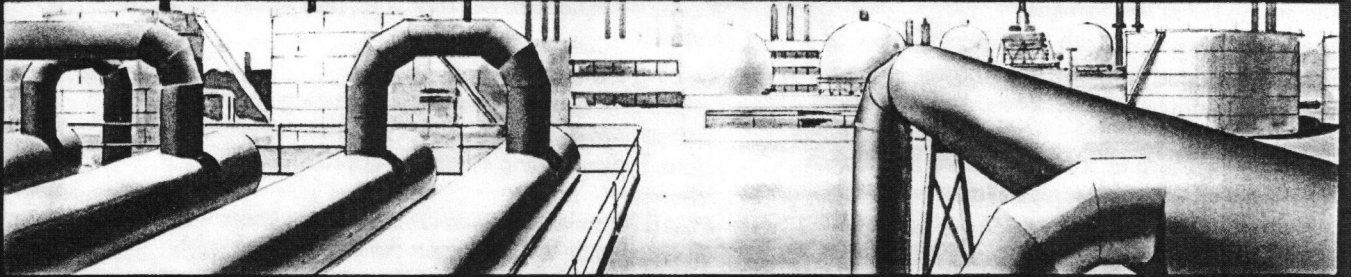
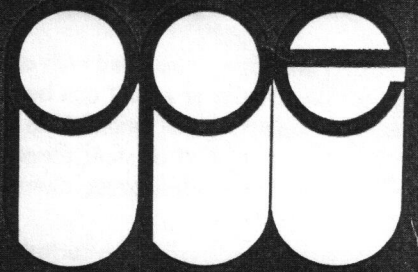
MITRES FOR SET PIPES

"SET IN"-"SET ON"



Pipe Profiling Equipment Ltd

Specialists in cutting, welding & portable machining equipment



The Pipemaster range of pipe profiling machines provides for almost all the pipe cutting requirements where pipes and their branches are of welded construction and where pipes are used to convey fluids. For structures fabricated from pipes we offer the Pipemajor universal pipe profiling machine.

**The Pipemaster has three basic functions i.e.**

1. To produce accurate 90° saddles "set in" or "set on", with or without variable bevel angle change.
2. To produce accurate mitre cuts, or complete mitre segments, usually without disturbing the pipe in the machine, with or without variable bevel angle change.
3. To cut pipe ends or cut pipes to length with or without bevel.

Little or no grinding is necessary after cutting.

# Pipemaster

## Pipe profiling machine