

Automatic travelling Saw machines

Series 6 - Model 602, 604 & 606

Data Sheet

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The Series 6 range of travelling/moving-head saw machines are designed for the precise cutting of rigid plastic pipe & profile.

The main benefits to the user are:

- High accuracy cutting with servo controlled moving head.
- Servo system ensures perfect synchronisation with extrusion linespeed.
- Pneumatic clamping with adjustable side guides.
- Ultra-robust framework for a long life-span.
- Easy-to-use controls with option of PLC & touch-screen.
- New technology reduces maintenance downtime.

Mode of Operation

Series 6 Saw Cutting Technology

A range of versatile travelling saw cutting machines. The up-stroke circular saw blade can cut through most rigid plastic extrusions to leave a clean, square, cut end.

The saw carriage moves along at a speed to match the extrusion linespeed. The movement is controlled fully automatically so that the carriage always maintains its position relative to the movement of the extruded material.

The carriage can either be driven by a high performance AC servo motor or by a pneumatic air cylinder. The servo option will give improved cut length accuracy.

A pneumatic clamp system grips the extrusion during the cut. Profiled blocks can be supplied to hold the extrusion better as the saw blades passes through the material.

Side guides are also provided to ensure that the extrusion remains square to the cut. These guides are on a counter-rotating screw thread so they can be moved in & out whilst remaining parallel to each other.

Two levels of control are provided. The basic system consists of a 6-digit length counter with encoder measuring unit. As an option we can upgrade this to a monochrome touch-screen control panel with PLC control.



Machine guarding is provided to a very high level with all access points fully protected by coded magnetic interlocks.

Series 6 Saw Range - Standard versions

Model	Max. capacity - round (mm)	Max. capacity - flat (mm)	Carriage travel (mm)	Saw motor size (kW)
602	50	50	500	0.55
604	100	270	600	2.2
606	150	450	600	4.0



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