Hamilton TEA
RAP-XRL-MAXI Trimming Machine

The Hamilton TEA RAP-XRL-MAXI is a self-contained trimming machine for plants in pots, particularly nursery stock.

Pots are loaded onto the entry conveyor, and are automatically fed onto the cutter conveyor at the optimum spacing. They then pass under the cutter deck, where the pots are clamped, and the plants are trimmed by the cutter, which rotates around the foliage. The debris falls through to the underside of the machine, and the pot is delivered to the exit conveyor. If the exit conveyor is allowed to fill up, the machine pauses its cycle until the pots are removed. The cutter curvature, height, and rotational speed are adjustable, and the potholder automatically adjusts for different sizes of pots. The belt speeds are individually adjustable, and the cutter deck can be set to rotate twice around each pot if required. With standard 5 x 80mm cutter blades the foliage diameter can be adjusted between 120 and 360mm. The plant height is set by a motorised drive to lower or raise the cutter deck, up to a maximum of 760mm (from the base of the pot to the top of the foliage). The automatic potholders accommodate pots from 9cm to 28cm diameter.

The machine is supplied on large pneumatic wheels for easy movement around the nursery, and only requires a domestic single-phase electrical supply. The entry and exit conveyors can be hinged upwards to make transport easier. Automatic safety guards are fitted which will shut the machine down if opened. A remote control panel is a standard feature, so that the machine can be controlled from either end. A lockable storage box is also provided for tools and extra blades. The machine is constructed using a rigid, long-lasting aluminium extrusion frame, with clear polycarbonate safety guards.

Technical Specification

Typical speed	up to 1000 plants per hour (variable speed)
Power Consumption	0.5kW single phase (specify 110 or 240v).
Dimensions (in mm)	4823 L (conveyors extended) x 985 W x 2000 H (mm – approx.)
Weight	Approx. 300 Kg

TW Hamilton Design Ltd, Unit 2, Temple Farm, Temple Park, Bradenham Lane, Marlow, Buckinghamshire, SL7 1RZ, UK
T: +44 (0)1628 826747 F: +44 (0)1628 822284 E: info@hamilton-design.co.uk W: www.hamilton-design.co.uk

Registered in England No. 01410194 at 2 Lake End Court, Taplow Road, Taplow, Maidenhead, Berks SL6 0JQ