



TECHNICAL SPECIFICATION

RCP SERIES OF ROLLER DIE CUTTING PRESS

RIDAT RCP Series of Heavy Duty Roller Cutting Presses are versatile machines capable of accurate and consistent cut on plastic sheets from Ridat thermoforming machines and handling sheet materials such as rubber, leather, board, foil and other gasket materials, plastic foam and plastic coated or impregnated fabrics.

Broad Capabilities

Model	184RCP	276RCP	406RCP	546RCP
Max width (in)	18	27	40	54
(mm)	460	686	1016	1372
Max height (in)	4	6	6	6
(mm)	100	150	150	150

Machine Construction

It is of heavy duty construction with all welded steel frame and solid steel pressure rollers driven by geared electric drive

Feed table conveyor rollers run on ball bearings to provide easy handling of even the heaviest cutting tools. The tools are brought to rest and supported at the end of their travel by table extensions on both sides

Drive System

An important feature is that BOTH cutting rollers are driven. The work-piece, tool and the cutting pad are therefore gripped positively throughout the cutting process, giving clean, accurate cuts.

Height adjustment

Fast, accurate adjustment of the roller gap can be carried out from either side of the machine by a simple ratchet adjuster - the only setting up procedure required. One half-turn of either of the two ratchet adjusters alters the gap by approximately 1.5mm. Because the mechanisms are linked, both ends of the roller move together, keeping the gap, and therefore the pressure applied constant across the cutting tool.



Operation

The machine has two modes of operation: manual and semi-automatic. Whichever mode is selected, it is essential to have approximately 180mm or 7ins (125mm or 5 inches for model 184RCP) of cutting tool leading the cutting edge to ensure positive action to activate the automatic limit switches

Manual: The work cycle is controlled by a toggle switch, which gives either forward or reverse action of the cutting (pressure) rollers.

In this mode, the pressure rollers can be rotated in any desired direction with the help of a selector switch provided on the panel.

Semi Automatic: This mode allows work to be fed in from either end to give a straight through feed-cut-deliver, the completed work stopping on the other side.

Safety

Ridat machines are produced to high safety standards and conform to the latest harmonised standards relating to the Machinery Directive, Low Voltage Directive and Electromagnetic Compatibility Directive. All machines are CE marked in accordance with current European legislation

Brief Technical Specification*

BRIEF SPECIFICATION		184RCP	276RCP	406RCP	546RCP
Max cutting width	inch mm	18 460	27 686	40 1016	54 1372
Max roller gap	mm	100	150	150	150
Cutting speed at 57rpm	cm/min	1585	1585	1585	1585
Power Usage	kw	0.8 (s/ph)	1.2	1.2	1.2
Floor Area	cm	140 x 100	239 x 109	325 x 140	338 x 152
Weight	kg	380	508	750	880

*The above figures should be taken as typical example only; complete specifications will be supplied on request
Standard power supplies are 415 V 50 Hz phase 4 wire.