Apressia CT115/CT137 Main specifications

Specification item		
Model	**Apressia CT115**	**Apressia CT137**
Table width*1	2,680 mm (105 1/2 in.)	2,900 mm (114 3/16 in.)
Table height	900 mm (35 7/16 in.)	
Depth*1	2,500 mm (98 7/16 in.)	2,823 mm (111 5/32 in.)
Height	1,680 mm (66 5/32 in.)	
Weight	3,800 kg (8,377 lb.)	4,500 kg (9,920 lb.)
Soft clamp load	300 N (30.6 kgf)	
Clamp load	1,500 ~ 45,000 N (153 ~ 4,589 kgf)	
Maximum cutting height	165 mm (6 1/2 in.)	
Cutting width	1,150 mm (45 9/32 in.)	1,370 mm (53 15/16 in.)
Cutting length	1,150 mm (45 9/32 in.)	1,450 mm (57 3/32 in.)
Power source*2	3-phase 200 VAC±10% 30 A	
Power consumption	6.05 kW	

*1 Maintenance space around the machine is necessary:
1,000 mm or more from the left and right sides (both) of the table and 500 mm or more from the back of the table.

*2 Installation of circuit breakers is recommended. Recommended specifications:
sensitivity current; 0.03 A (high sensitivity type), operating time; 0.1 sec or less (high speed type).

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Apressia CT115
Apressia CT137

KOMORI CORPORATION

Programmable Hydraulic Clamp Cutter

Programmable Hydraulic Clamp Cutter

KOMORI

Cutter with Accent on Safety and Ease of Use

Sophisticated design combining easy operation and stringent safety standards.

Apressia CT115/CT137: The New Cost Performance Benchmark

Apressia CT115
Apressia CT137
KOMORI CORPORATION

Komori: the worldwide leading manufacturer of offset presses and the Impremia series of next-generation digital printing systems. Now Komori takes this opportunity to introduce the exceptional Apressia series of postpress equipment. The debut products in this series are the Apressia CT115/CT137 cutters.

Targeting a revolution in postpress processes, these cutters boast an exterior design that breaks the conventional image of cutting machinery and a sophisticated operation panel. Operations are clustered on this 19 inch touchpanel, making it possible for anyone to easily operate it from the day it is installed. A cutting switch that is operated by both hands and photoelectric area sensors are standard equipment for an extra margin of safety. The high speed, easy to operate Apressia CT cutters provide ample cutting width, ideal for cutting paper stock or finishing printed work. Plus, its small footprint makes it easy to incorporate into your pressroom operation.

- Easy operation with the large, 19 inch touchpanel
- Ample working space: 735 mm from the edge of the table to the knife
- 165 mm maximum cutting height
- Cut-line is standard feature

Apressia CT115
Programmable Hydraulic Clamp Cutter

*Model in the photograph meets Japanese safety standards. Exterior will differ due to safety standards in each region.

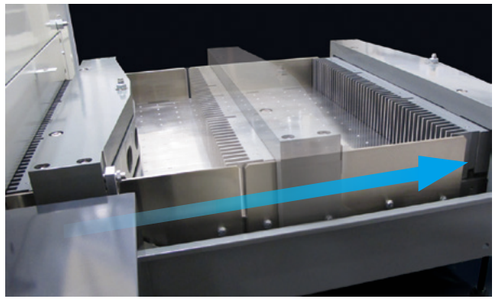
The Technologies in Komori Cutters

The newly developed Apressia CT Series of Programmable Hydraulic Clamp Cutters combines safety, ease of use and flexibility as well as outstanding productivity and cost-performance. The sophisticated design embraces a host of outstanding Komori technologies.

Technology 1

Ultrafast back gauge movement

The speed of back gauge movement is world-class. Just 3 seconds from the frontmost position to the rearmost position. Smooth, quick movement to the next cutting position. Cutting work that involves complex impositions or ganging, which requires frequent movement of the back gauge, proceeds at a quick tempo that shows exceptional capability. The high speed movement contributes to high working efficiency and reduced working time.

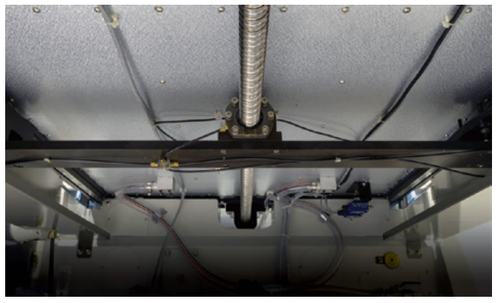


Back gauge movement speed of approximately 3 seconds

Technology 2

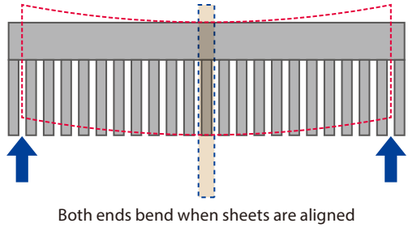
Back gauge with both-end support system

A both-end support system holds up both sides of the back gauge with linear guide rails. Cutting precision is very high because the back gauge does not bend. Repeat movement is performed at high speed due to the stable travel. Since a transport belt above the table is unnecessary, no damage or smudging due to the belt and no hang-ups in handling. Improved efficiency and very high productivity.

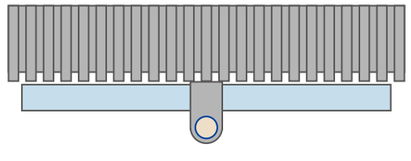


Stability of both-end support system that prevents bending

Conventional model

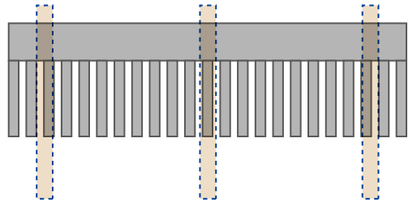


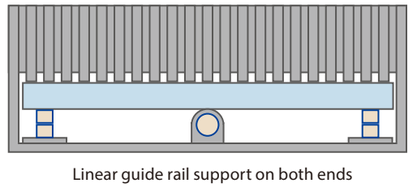
Both ends bend when sheets are aligned



Single center support

Apressia CT Series





Linear guide rail support on both ends

Technology 3

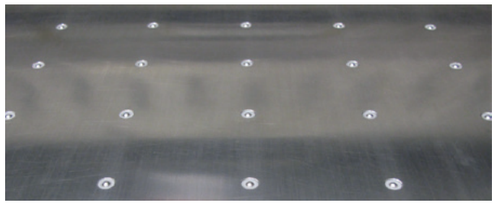
Mirror finish table

The table has a smoothly polished mirror finish. The synergy with the densely arranged air nozzles dramatically improves the handling of sheets for cutting. This lightens the work of dealing with heavy sheets and offers many benefits, including reducing the operator's workload and cutting costs by raising working efficiency.

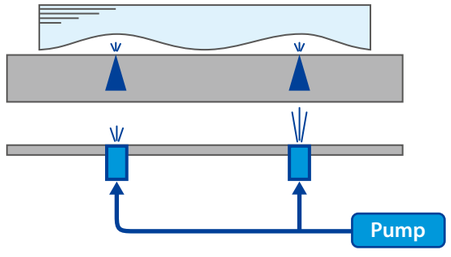
Technology 4

Densely arranged air nozzles

For the air nozzles, a chamber system in which air comes out directly from the chamber of the table is used. Moreover, the nozzles are densely arranged, and the number of nozzles is the highest in the industry. This enables an evenly discharged air flow and easy air adjustment as well as stress-free, smooth movement of the paper to be cut. It is so smooth, in fact, that silicon spray is unnecessary.

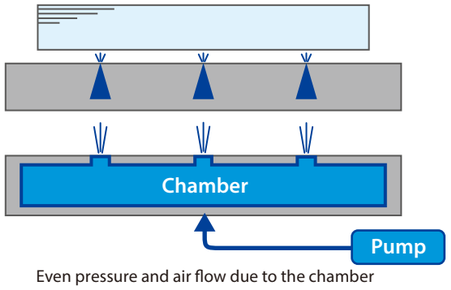


Conventional model



Arrangement by each nozzle

Apressia CT Series



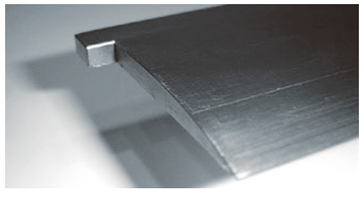
Even pressure and air flow due to the chamber

Technology 5

Soft clamp specifications and digital load display

The paper clamp employs two-stage control for operator safety. The soft clamp load is kept to 300 N (30.6 kgf) by a foot pedal, and a maximum load of 45,000 N (4,589 kgf) can be applied for the high-pressure clamp during cutting. Since these pressure changes can all be controlled by checking the digital display on the touchpanel, operation can be performed with confidence.
Moreover, the use of a newly developed low-camber clamp bar reduces coloring even when cutting pressure-sensitive paper.

Clamp pressure setting



Low-camber clamp bar