



# KIZUI Packaging Solutions

Flexible Packaging / Form Fill Seal / Filling Lines / Flow Optimisation

 **KIZUI**





*“Success is doing what we are good at”*

*KIZUI is an engineering firm headquartered in Hong Kong. We're experts in flexible packaging, form fill seal, filling lines and flow optimisation. It's all about providing end-to-end packaging solutions for the most demanding production line.*

## Overview

KIZUI was founded by a group of intrepid Hong Kong engineers who set out to prove that human factor engineering could awesomely enhance packaging line productivity.

We apply Kaizen philosophy to our daily practice, “no matter how small it is, it got to be improved” as we believed that packaging professionals should be held to the same high standards as aviation and automotive engineering.

### **We are a network of thinkers and tailors**

We build our client's confidence in making the right choice from our comprehensive range of products based on our deep understanding of the packaging needs of different markets. We offer practical guidance on how to satisfy them, and where appropriate, we can customise to fit complex requirements, however unique.

### **We develop unparalleled user experience**

Many of our deepest client relationships have been with start-up companies who transformed into a powerhouse in their industries. This tradition of support, caring, trust, respect, and interdependence among our colleagues and clients continues to motivate us today.





# Our people

Our reputation for committed and caring comes from an exceptional team with broad diversity of educational and professional background.

We are the trusted packaging equipment supplier to many of the most influential food & confectionery manufacturer in the world. We serve more than dozens of companies listed on the Stock Exchange.

We are a global organisation, with agents and distributors around the world. We speak over 15 languages and represent over 20 nationalities.

We value diversity. We hire mechanical, electrical and industrial engineers and we go the extraordinary lengths to support them. We provide them with unrivalled opportunities for growth and multi-tasking skills. This gives us the range of expertise we need to tackle our clients' most complex problems.

Leadership in KIZUI is about long-term success through the participation of all members in improving processes, products and services - achieving Total Quality Management

# C Series

## Description

The C-series is a flow wrapper used by many bakery and confectionary manufacturers. The good synchronisation between bag length and its end seal made it very popular. Designed with a twin-motor drive, it is considered one of the best flow wrappers of its generation. It is suitable for candy, biscuits, bread, hardware, toy, phone card, and other solid products in a centre seal pillow pack.

A stainless steel loading table is installed on all C models, where the operator loads products between the in-feed chain pushers for standard type; or directly on the film for inverted type.

The film reel is loaded on a clamping device which maintains its alignment before and after reel change. The reel unwind roller is synchronised with the film advance

roller which eliminate the possibility of overfeed or underfeed of film. The end seal system which contains a knife with anvil on the crimp jaws is synchronised with the in-feed to eliminate tendency of product caught between the jaws. Both systems are controlled by PLC and inverter for its high performance result.

The safety guards along with end seal jam detection sensor are equipped as standard equipment, which can detect product jam and film residue on the end seal to stop the machine going out-of-sync.

The C-series proved immediately in speed, good synchronisation and sealing as superior to its class, and still easier to maintain with its structural stability and rigid chassis that was designed for a much higher speed.



## Technical Specifications

	Unit	C250	C250-H	C250-L	C350	C350-H
bag style			pillow		pillow or gusseted*	
mechanical max. cycle/min	cpm	230	165	125	230	165
production bags/min	bpm	40 - 185	40 - 130	40 - 100	40 - 185	40 - 130
bag width	mm		30 - 110		50 - 160	
bag length	mm	65 - 190	90 - 220	120 - 280	65 - 190	90 - 220
bag height	mm	≤ 40	≤ 55	≤ 40	≤ 40	≤ 60
reel width max	mm		90 - 250		130 - 350	
cutting style				serrated		
machine weight	kg		400		440	
machine dimensions	mm		L3770 x W670 x H1450		L4020 x W770 x H1450	
power	kW		2.5		2.8	
voltage			230VAC, 50/60Hz, 1-Ph			

# C Series

## Advantages

- ⊖ Titus III human interface
- ⊖ 7-inch OMRON colour touch screen
- ⊖ PANASONIC PLC
- ⊖ OMRON photoelectric sensor
- ⊖ OMRON E5CZ digital temperature controller
- ⊖ OMRON E6B2 encoder
- ⊖ dual intelligent control - eliminate mechanical adjustments
- ⊖ pusher-carrier combo - extra product protection
- ⊖ chain-driven robust - twice the performance with OMRON encoder
- ⊖ forming device level up - instant performance among changed film reel
- ⊖ end seal jam detection sensor with machine stop



## Options

- y solid stainless steel 304 construction
- y automatic card dispenser with card magazine
- y coding: solid ink roller
- y coding: thermal transfer
- y labelling: label applicator
- y gas flushing device
- y gusseted bag forming device
- y reduced loading platform length
- y reduced speed changeover
- y special voltage



disposable dining set can be run on standard or inverted type C or F models depending on requirement

## Technical Specifications

	Unit	C350-L	C350-HL	C450	C660
bag style		pillow or gusseted*			
mechanical max. cycle/min	cpm	125	100	115	75
production bags/min	bpm	40 - 100	40 - 80	40 - 90	30 - 60
bag width	mm	50 - 160		50 - 180	75 - 310
bag length	mm	120 - 280	150 - 330	130 - 450	200 - 400
bag height	mm	≤ 40	≤ 60	≤ 80	
reel width max	mm	130 - 350		150 - 450	200 - 675
cutting style		serrated			
machine weight	kg	440		460	500
machine dimensions	mm	L4020 x W770 x H1450		L4020 x W820 x H1450	L4020 x W990 x H1450
power	kW	2.8			
voltage		230VAC, 50/60Hz, 1-Ph			



(Right) The powder coated model C350



## Inverted Type

The inverted type C models with product carriers ease in-feed effort for small delicate products.

The inverted type F models inherit all advantages of the C-series, and replace the product carriers by offering direct product loading on the film web.

dairy product must run on inverted type F models to reduce product contact with machine parts



## Reciprocating Type

The reciprocating type R models are your optimal choice for larger and taller products that require a flow wrapper.

Inherit all advantages of the C-series, its reciprocating end seal system delivers incomparable sealing result while extending bag height support up to 100 mm.

(Bottom) The stainless steel model C250-IVC



## Technical Specifications

	Unit	C250-IVC	C350-IVC	C450-R	C600-R
bag style			pillow		pillow or gusseted
mechanical max. cycle/min	cpm		230		75
production bags/min	bpm		40 - 185		20 - 60
bag width	mm	30 - 110	50 - 160	40 - 200	65 - 275
bag length	mm		65 - 190		120 - 450
bag height	mm		≤ 55		≤ 100
reel width max	mm	90 - 250	130 - 350	130 - 450	180 - 600
cutting style			serrated		
machine weight	kg	400	440	560	660
machine dimensions	mm	L3920 x W670 x H1320	L3920 x W770 x H1450	L4000 x W860 x H1550	L4000 x W980 x H1550
power	kW	2.5	2.8	3.2	3.6
voltage		230VAC, 50/60Hz, 1-Ph			

