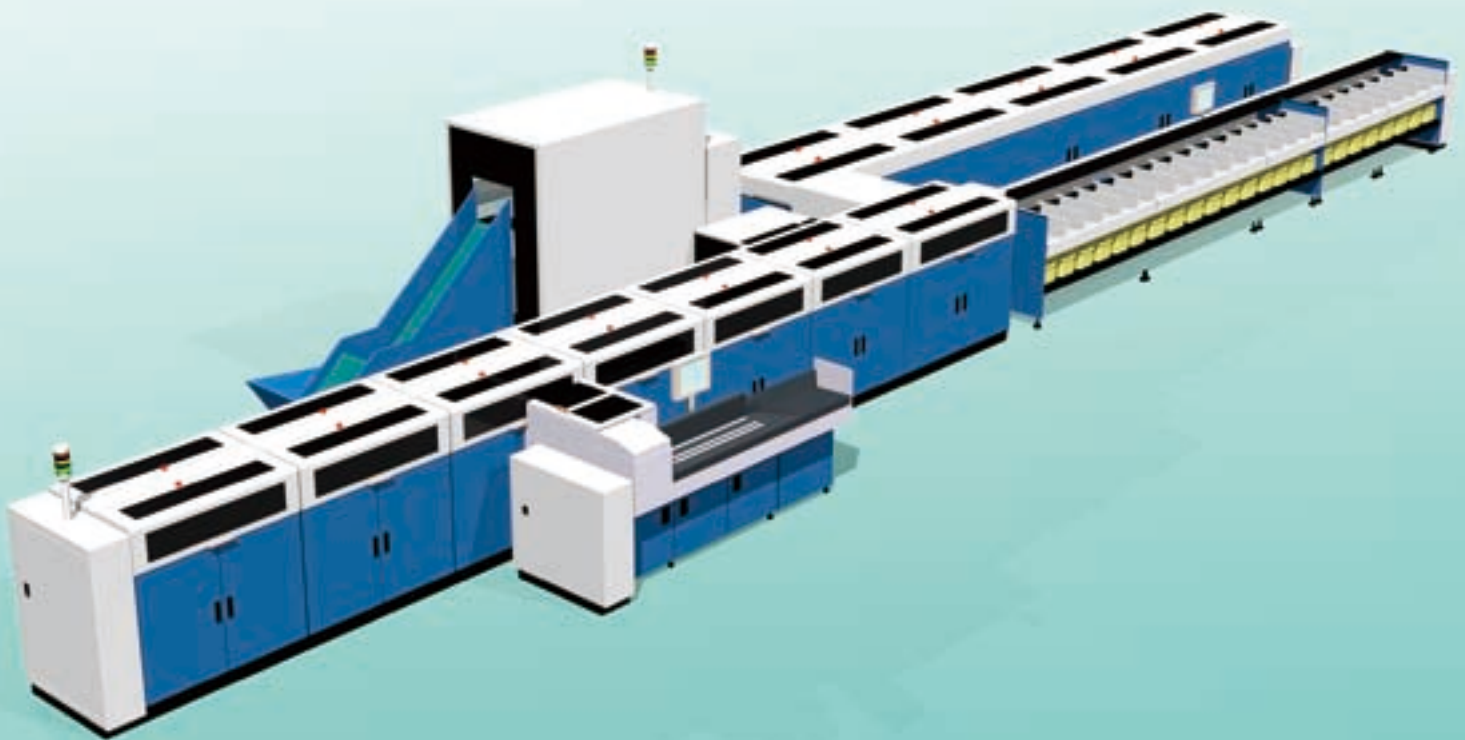


Pre-Processing Systems: Letters and Flats

CFCR (Culler Facer Cancellor with Revenue Protection)

NS-10: The New Generation CFC



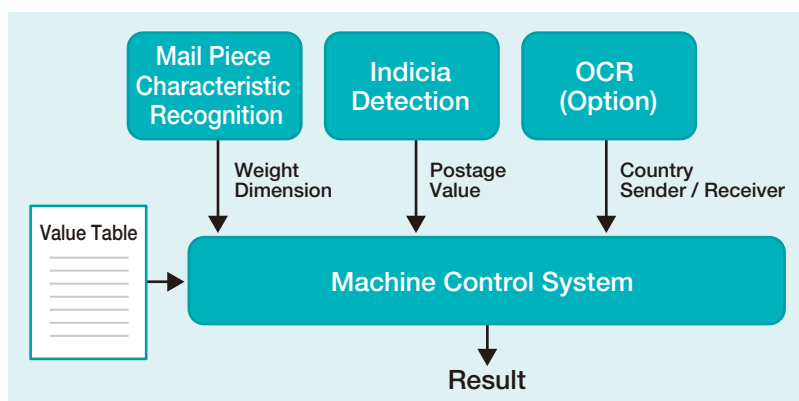
The New Generation NEC CFC: High Speed C4 Processing and Revenue Protection

NEC's new CFCR NS-10 provides high speed, dynamic and accurate culling, facing and cancellation of both letters and flats including items weighing up to 150g, in a complete revenue protection environment.

Highly Accurate Revenue Protection

The combination of an Indicia Detection System and Mail Piece Characteristic Recognition in conjunction with OCR* enables automatic identification of underpaid mail items. The Machine Control System compares the mail piece attribute with the parameters in the value table. In case that total postage value of mail piece is lower than the valid value, the mail piece is identified as underpaid and sorted into the relevant stacker.

* Optional Function



Advanced Indicia Detection System

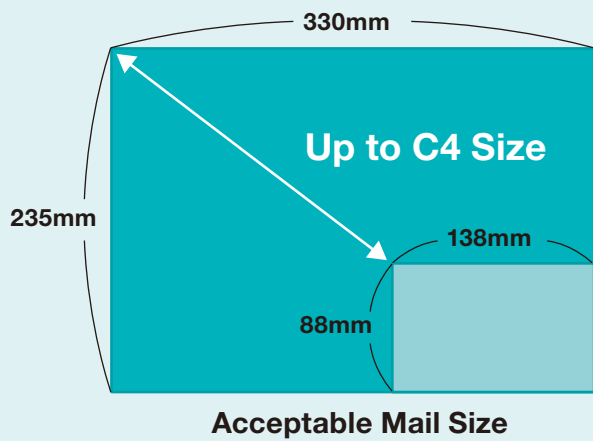
Detects and interprets all required cancellation marks and indicia with the ability to store and recall up to 5,000 stamps and pre-printed impression images which can be centrally managed and distributed using the software supplied.



Mail Piece Characteristic Recognition

Mail piece characteristics are recognized by advanced image processors and used to accurately measure the mail piece dimensions as well as to eliminate non-machinable items. The measuring devices can determine thickness to within 1mm and size to within 2mm. The weighing module can weigh items being processed to within 1g.





- Letters and Flats – Up to C4 150g
- Revenue Protection
- High Speed Processing
- Modular and Expandable Design
- Up to 320 Stackers
- Ergonomic Design
- Easy Maintenance
- User Friendly Interfaces

Gentle Handling Culling Drum

The culling drum mechanism is designed to minimize mail piece damage to items tipped from bags. A paddle wheel has been included to act as a baffle minimizing the distance any mail item can fall.



Easy Handling and Ergonomic Design

The operational areas (e.g. Feeder, Stackers etc.) have been designed by Ergonomic simulation software to optimize the operator's working positions. Maintenance functions have also been considered to ensure easy access to all machine components.



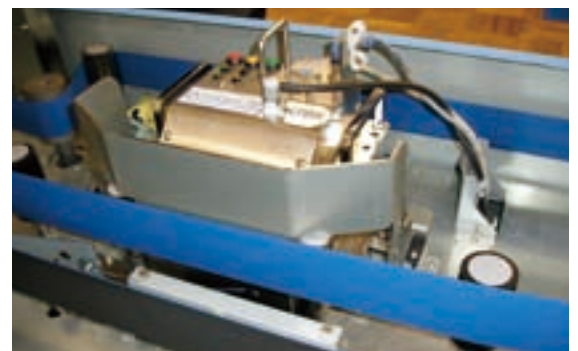
Flexible Configuration and Shape

Both Single tier and double tier stacker configurations are available. U-shape and I-shape stacker configurations are also available depending on floor layout and space available in the sorting centre.



Printers

The mail items are cancelled by a Cancelling Ink Jet Printer with the ability to provide a cancellation mark to a mail item depending on its characteristics. Various cancellation marks can be stored, selected and printed to facilitate advertising and direct customer messaging. If required an Ink Jet Barcode Printer including 2D Data Matrix barcodes can be equipped on the NS-10.



Specification

Item	Description
Acceptable Mail Size	Length: 138 mm - 330 mm
	Width: 88 mm - 235 mm
	Thickness: 0.15 mm - 8 mm
	Weight: 2 g - 150 g
	Aspect Ratio: 1.4 - 2.6
Maximum Throughput	CFC Mode: 32,000 items/hour
	FC Mode: 34,000 items/hour
Stacker Configuration	24 Stackers 1-tier, I-shape Configuration
Functions	Culling/Facing Cancelling by IJP Weight Detection Thickness and Size Measurement Revenue Protection Indicia Detection – Stamp, Meter Mark, FIM Fluorescent Barcode Detection/Recognition Doubles Detection
Optional	OCR Function Address Block Finding Poly-wrap Detection Labelling 2D Barcode Printing Additional Stackers up to 320 2-tier Stacker Module U-shape Configuration Orientation Sort (Acceptable Mail Weight: Up to 300 g)

● Designs and specifications of this product is subject to change without prior notice.



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