

data sheet

Colenta[®] AUTO-NDT 43

Automatic Film Feeder



Colenta[®]

Technical specification subject
to change without notice.

COLENTA LABORTECHNIK
Ges.m.b.H. & Co. KG
Neunkirchner Strasse 117
A-2700 Wiener Neustadt
Tel.: +43-2622-28311-0
Fax: +43-2622-28311-7
E-mail: Colenta@nexttra.at
<http://www.colenta.de>

ACI-COLENTA
INTERNATIONAL Div.
Forge Close, Little End Rd,
Eaton Socon, Cambs. UK
Tel. +44-1480-211118
Fax: +44-1480-215236
Fax: +44/870/132 1352
E-mail: aci@patflaherty.com

Function:

When replacing the standard feed table of the COLENTA INDX-NDT Film Processors, the fully compatible feeder can be interfaced to the processor. (feeder and standard feed tray of the INDX units are fully exchangeable). The feeder is gear driven from the processor and will automatically synchronise the speed of the feed rollers in the feeder to the processor speed. The feeder and processor are connected by an electronic interface. The feeder is activated as soon as the signal “No Error in the Processor” and “Processor Sensorbar Free” is transferred to the feeder controller and the automatic mode push button is pressed.

A vacuum operated “sucker” system lifts the staked films in the magazine between the feed rollers of the feeder, which then transfer the film to the entrance rollers of the processor. The feeder can operate in two different modes:

Automatic mode:

This mode is activated by pressing a push button. When the processor is “Ready” and no error is sent to the feeder, the automatic, sensor controlled, film feeding sequence starts. The feeder will stop automatically as soon as all films are removed from the magazine by the “suckers”, or if an error occurs in the processor which signals a stop instruction to the feeder controller, or the operator presses the manual mode push button.

Manual mode:

- a) **With the feeder working in automatic mode and then selecting the manual mode by the action of a push button switch, the automatic feeding of film from the magazine will stop (no further film will be supplied by the vacuum suckers to the feed rollers). This action releases the manual film feed slot and as soon as the last automatically fed film has entered the processor. The release of the manual film feed slot is indicated by a green LED (the automatic feed mode is signalled to the operator by a red LED)**

After the operator has finished manually loading films and then wants to return to the automatic mode to continue the feeding of films from the magazine, he selects automatic mode by the action of a push button switch and once the last manually fed film has entered the processor, the feeder will switch to automatic mode.

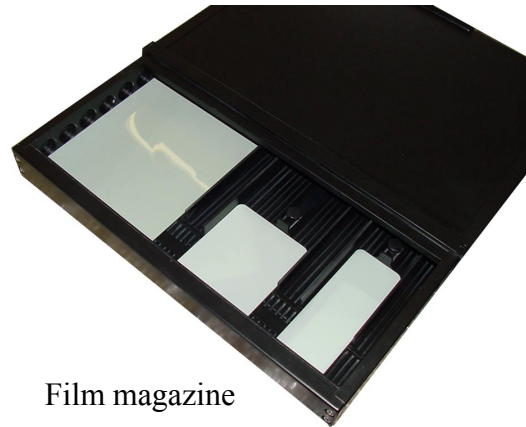
- b) **After the feeder, when working in automatic mode, has completely emptied the magazine it will automatically switch from automatic mode into manual mode, thereby releasing the manual film feed slot – the feeder can now be used in the same way as the Standard feed tray of the COLENTA INDX 43 I.**

The various steps for the automatic film feeding as well as all eventual errors in the feeder are indicated on the display of the feeder unit. As well as the aforementioned red and green LED indication, the manual mode conditions are also indicated on the display.

The capacity of the feeder is mainly determined by the processing cycle of the processor (in-feed speed of the processor). When small films are to be fed via the magazine, the whole width of the feeder / processor can be utilised by using multi track feeding / processing.

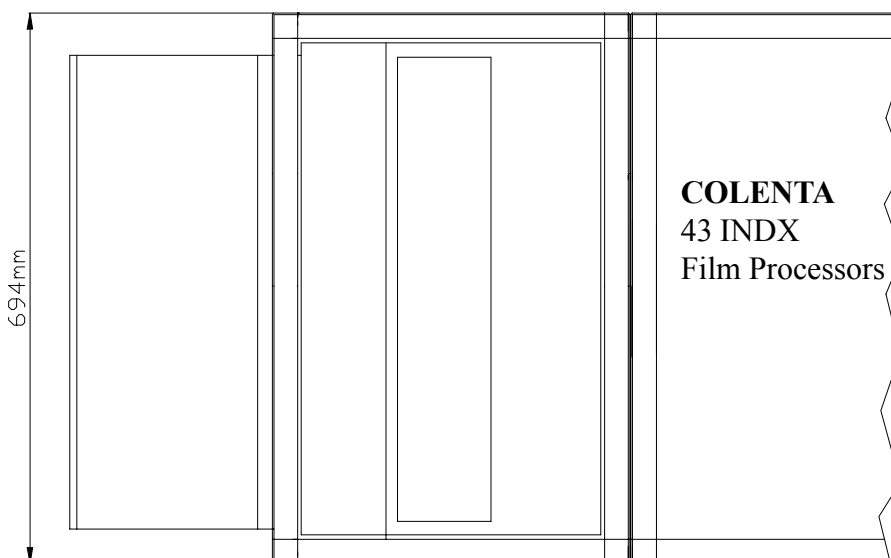
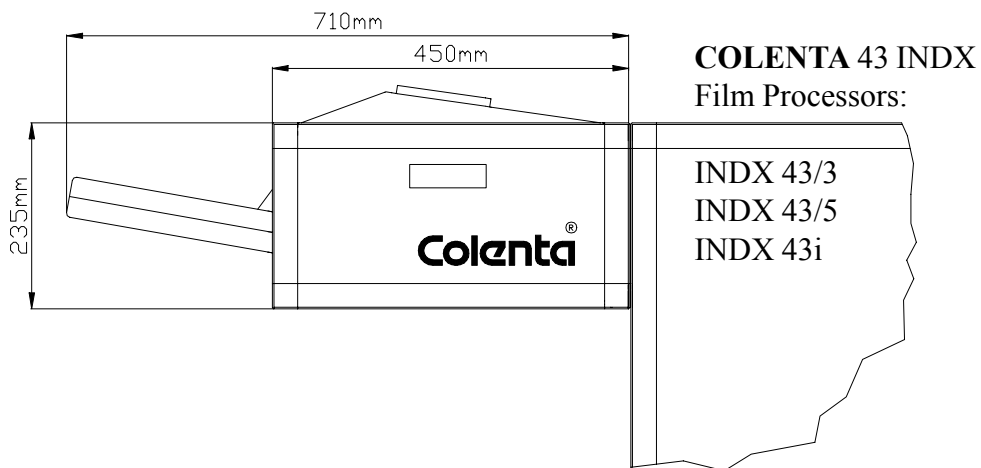
Film magazine specification:

- # Max. Film size 43x48cm
- # Min. film size 6x12cm
- # Film magazine designed to take all common film sizes from 6x12 to 43x48cm.
- # Film width: 6 cm up to 43cm
- # Film length: 12 cm up to 48 cm
- # The magazine will take film of various sizes, utilising the full width of the magazine, providing film-stacking facilities for approx. 60 films per stack.
- # Max. capacity of the magazine: approx. 6 stacks (6x12cm, 6x24cm or 6x48cm) of 60 films each, total 360 films



Film magazine

Dimensions:



Voltage – 230V AC 50/60 Hz
(supplied from the processor)

Weight approx. 25 – 30 kg
(without magazine)