



# High Speed Downstream Equipment Condi Film





Présent



**condi film**, *follow us!*

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For more than thirty years, **Condi film** has innovated on the market of downstream equipment. Once more, preceding the requests of the industrialists on the market of brick, Condi film had worked on very high rate in order to provide on right time the ideal machine for these new needs.

Our Motto should be:

**Envisage, Know, Supply**

Dice at the time, it was a question of finding an answer fast, reliable and flexible device for the first customers of this technology. Strong of its experience gained in the last decades, Condi film develops a solution already successfully used in brewery to increase the rate of introduction and Shrink-wrapping: Separation on line or Multiplier. The results are not made wait and the principle running perfectly well making it possible to reach a theoretical production of 54 000 bricks/hours according to pattern' (see table following page), exceeding already all future requests.



## Résume Tabel

Condi film FR 6													
FORMAT 200 TB - 200 MDL													
Format		3	4	5	6	8	9	10	12	16	20	24	
Groupage		3x1	2x2	5x1	3x2	4x2	3x3	5x2	4x3	4x4	5x4	6x4	
Introductions	Cycles/min	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	
Multiplicateur		2	2	2	2	2	1	2	1	1	1	1	
Nombre de pistes		2	2	1	2	1	2	1	1	1	1	1	
Quantité Introduite		12	16	10	24	16	18	20	12	16	20	24	
Production	Unités/heure	27000	36000	22500	54000	36000	40500	45000	27000	36000	45000	54000	
FORMAT 200 Slim													
Format		3	4	4	5	6	8	9	10	12	16	20	24
Groupage		3x1	4x1	2x2	5x1	3x2	4x2	3x3	5x2	4x2	4x4	5x4	6x4
Introductions	Cycles/min	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
Multiplicateur		2	2	2	2	2	2	1	2	1	1	1	1
Nombre de pistes		2	2	2	1	2	1	2	1	1	1	1	1
Quantité Introduite		12	15	15	10	24	16	18	20	12	16	20	24
Production	Unités/heure	27000	36000	36000	22500	54000	36000	40500	45000	27000	36000	45000	54000



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Bundling machine **FR6** aims to carry out bundles having best possible quality. For that, the machine packages the units on upright position whatever the rate. With a use a Polyethylene film Printed and registered correctly positioned, without any apparent welding.

The quality of the retraction is guaranteed by a heating tunnel with higher length, a controlled temperature, and maximum zone of cooling, to perpetuate the aspect of the product

Bundling machine **FR6** deals with its own implantation. We know by experiment that on a good implantation a good productivity depends, mainly at the high speed. This is why it is proposed on upstream of the bundling machine, a conveyor with 4 tracks to manage as well as possible accumulations in entry machine. The conveyors are supplied with a 4 tracks divider, which him, is connected to the existing installation of conveying.

Bundling machine **FR6** deals with its own machine' exit. It proposes a conveyor of exit on two levels, allowing an exit on line to the Condi film universal tray packer or a perpendicular exit towards any other downstream equipment from the installation.



# Current Installations Worldwide

- Key references in Europe
  - IPARLAT, Spain
    - 250 ml base
  - Lactogal, Portugal
    - 200 ml Slim
    - 200 ml Middle
- Key reference in North America
  - Mac Cain, Canada
    - 250 ml Slim

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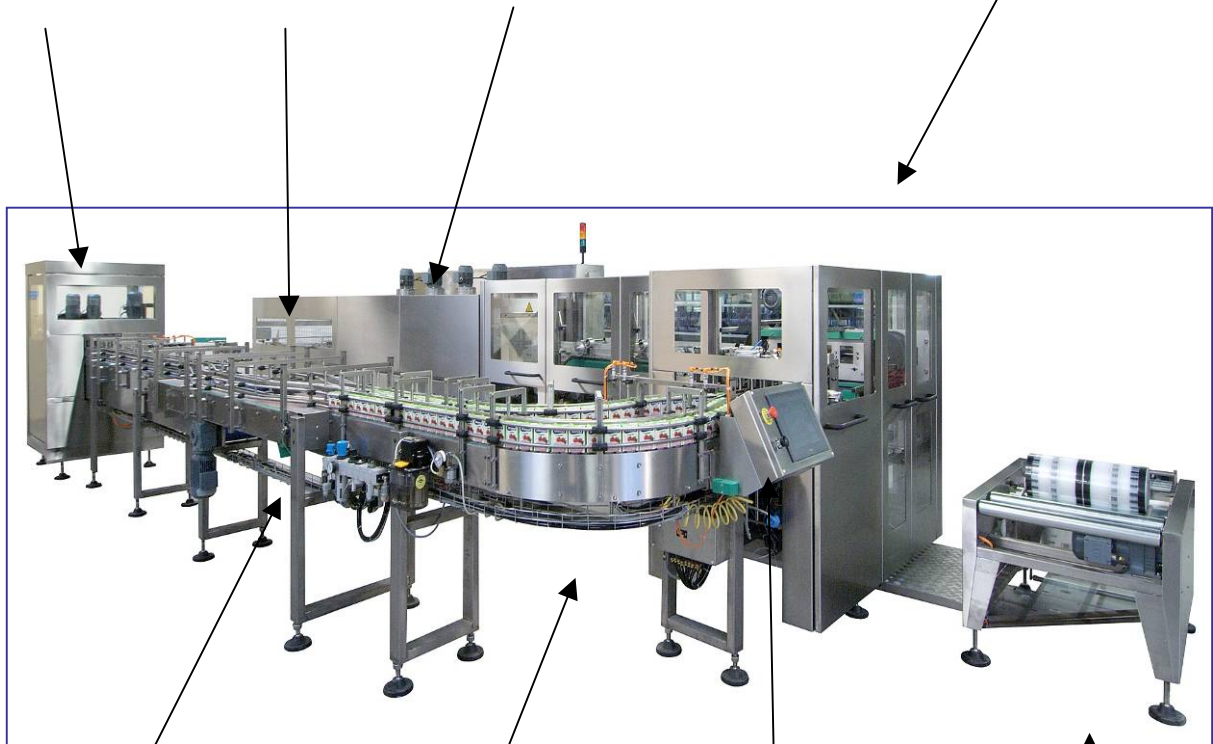
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Shrink  
Wrapper  
**FR6**

4 Tracks  
In line  
divider

Cooling Area

Shrink Tunnel



Accumulation  
4 Tracks, 4 sections

90° entrance with  
curve

Touch panel

Film holder

Front View

Back View

Touch panel



Film Support 2 tracks

Transfer film

Wrapping table

Electrical cabinet

# En détail...

High rate imposes upstream accumulations of the machine, incompatible with a unifilar supply in entry machine. Bundling machine **FR6** is then proposed with a distributor-sequencer 4 tracks and a conveyor of accumulation in 4 distinct sections, self-regulated, controlling the pressure of bricks



Répartiteur-Cadenceur 4 voies – Coté  
sortie



Accumulation en sortie de  
Répartiteur-Cadenceur.

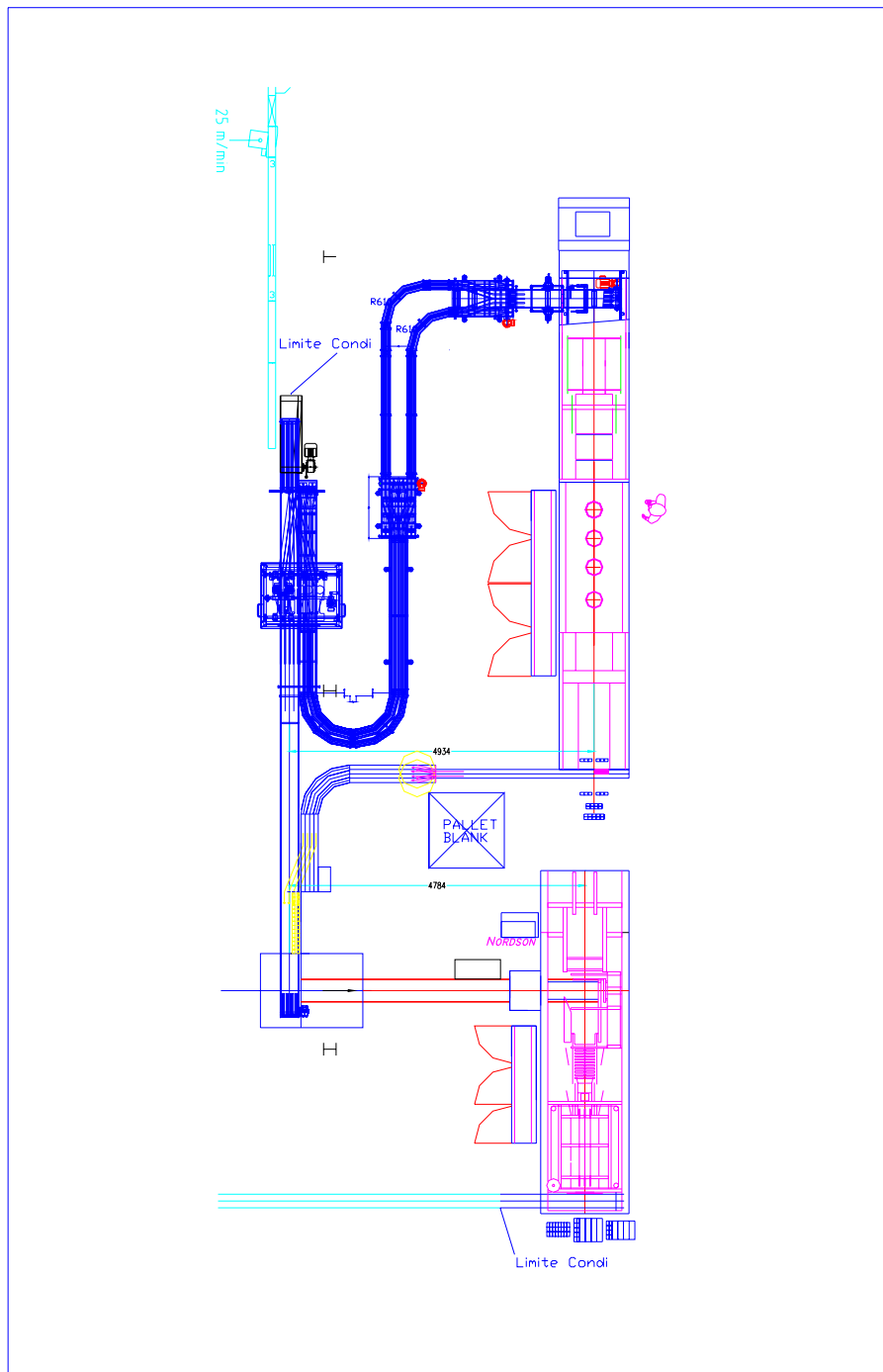
**condi**



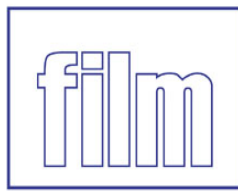
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### General Implantation and layout

The entry with 90° allows a very flexible implantation, on the right, on the left, in "U" or in "Z", bundling machine **FR6** finds its place in all situations.



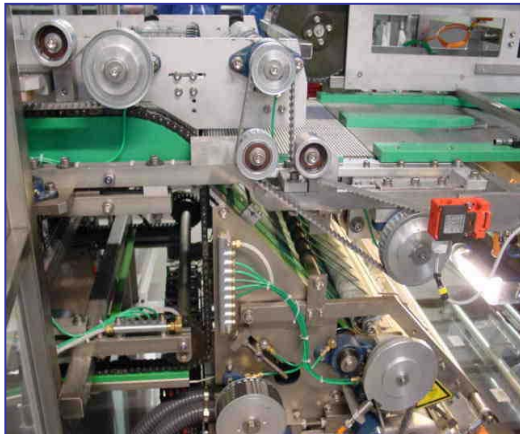
# condi



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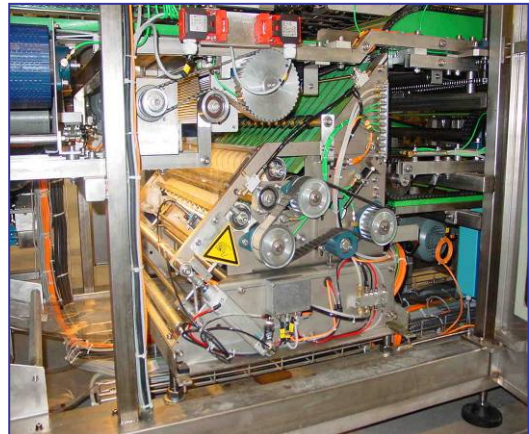
The first division takes place at the time of the introduction of bricks into the cyclor decreasing the rate of entry from 75 to 37.5 introductions/minute, this technique is used for the 3, 4, 6, and 9 collation's. The bundles thus formed, taken again by the cyclor are transferred on the belt from the multiplier.

The cycle's number then reaches the 75 per minute out of twin lanes, carrying to 150 cycles per minute the production of promotional bundles. This technique is used for the regroupings into 3, 4, 5, 6, 8, and 10.



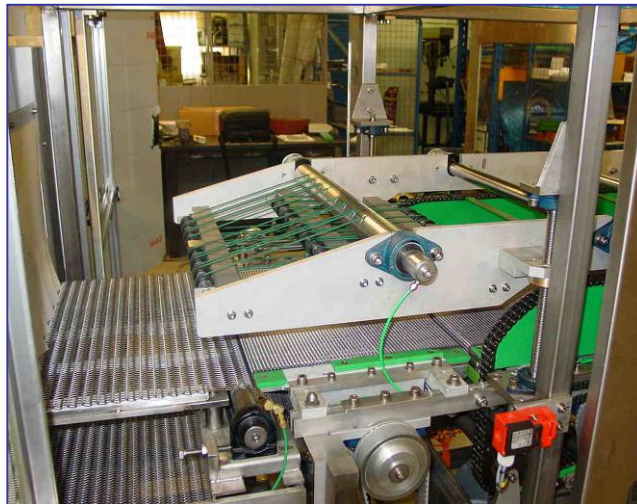
Sortie cycleur, entrée Multiplicateur et Coupe-Montée-Film.

Principal module of the machine, the Cut-Rise-Film or CMF, remains most practical and most compact of the market. Condi film, first manufacturer since 1993 to provide this module extractable in series, continuous to innovate and now proposes the CMF with a double Servo Drive motorization; one on the blade of cut and the other on the Belt of rise film.



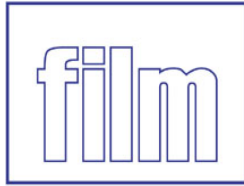
Coupe-Montée-Film (CMF)

Safety is the Master word of bundling machine **FR6**. Except a number of detection cells sufficient for the detection of the defects position, bundling machine FR6 proposes out of standard, on the level of the passages of tables, two positive systems of higher maintains of bricks by synchronized belts. With the Bundles thus held, bundling machine **FR6** would be prevailed of the name of "the surest machine of its generation".



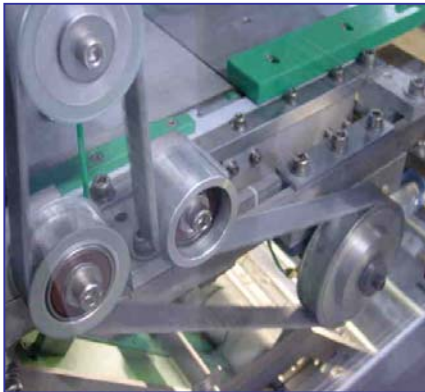
Courroies supérieures de maintien, passages de table de sortie.

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- In order to reduce to the minimum the maintenance intervention on the bundling machine **FR6**, condi film has equipped it with the latest innovations. The Servo Drive motorization and asynchronous controlled by servo drives spreads. Using the technique of the electric Shaft, all the movements are independent, each engine scanning the position and the speed of the other engines; an automat supervises the whole.
- The mechanical drives with chains are abandoned conferring on bundling machine **FR6** a great flexibility in use. Thus all the transmissions are with notched belts with profit of maintenance and improved noise level of use.



Transmissions par courroies crantées



Motorisations indépendantes



The control panel is modernized; a tactile interface makes it possible to the operator to carry out his choices of formats and to display the messages of the automat quickly. The configuration is possible in all languages.

Cleaning and maintenance were not forgotten, condi film proposes tools air and water on the machine.



[Pupitre tactile de commande](#)



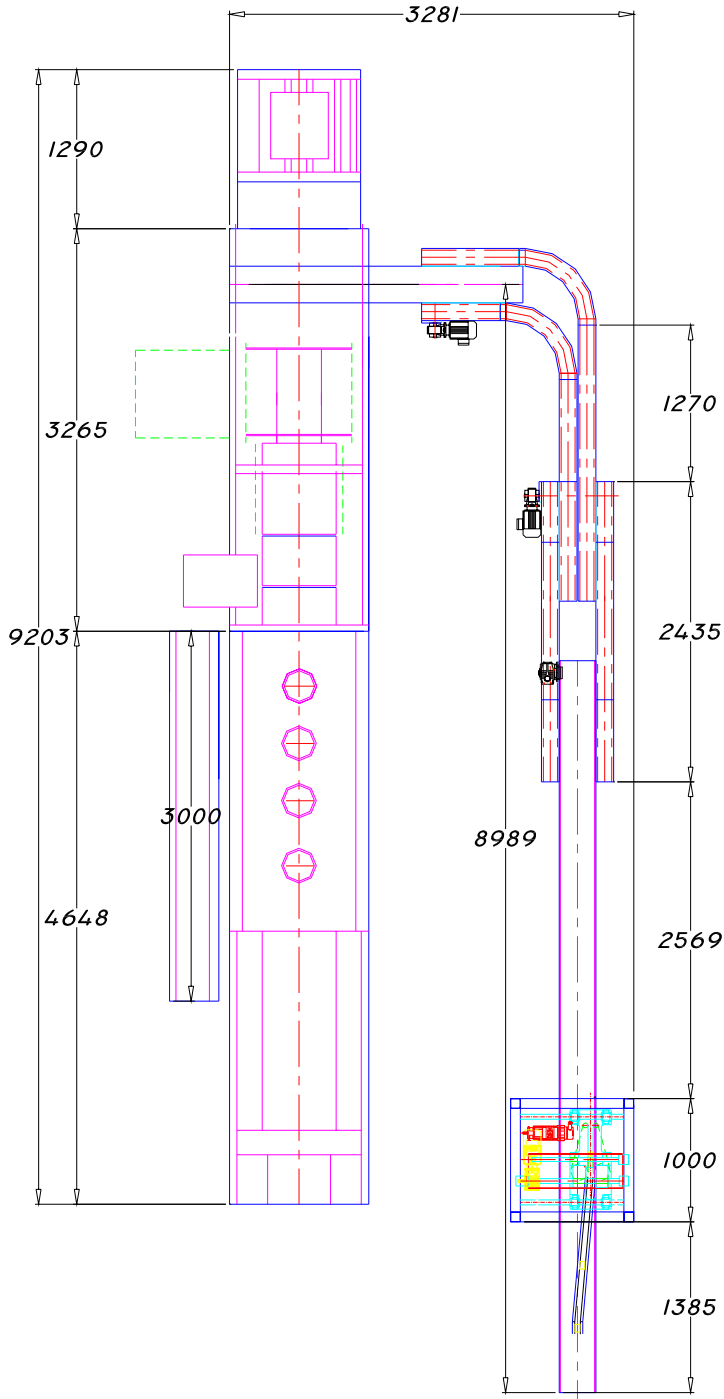
[Pistolets Air et Eau](#)

# Technical data



## FR6 Portion Packs





Adresse: ...\\plan_2004\fordelause\mars\9.16.1.18.12.120\fr6\N4_04_119.dwg <b>condi</b>		<i>BO</i> CONDI FILM ZI Rte de Thennes. 80110 Moreuil Tél: 03 22 35 31 80. Fax: 03 22 09 61 89	
modification		modification	
type FR6	éch. 1/4	date 09/03/04	Plan N° 4 04 119

1 : Technical Data :

Installation drawing: N° 4 04 119

Maximum cycles per minutes: 75 on two tracks

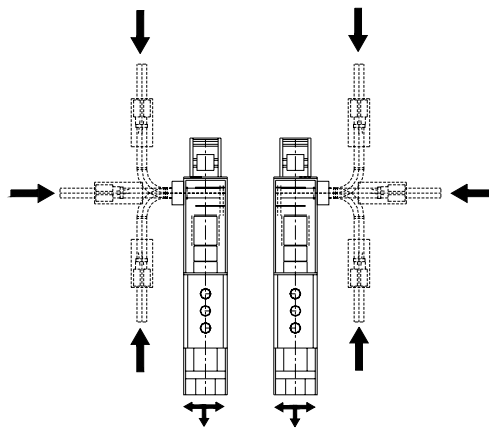
Maximum packages per minute: up to 54 000 b/h

Change over times : approximately 5 min (for a well trained technician)

2 : Selection Operator side

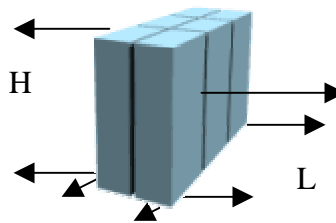
Right hand side

Left hand side



3 : Range of product able to run in this machine :

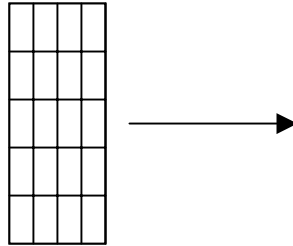
Any portion packs briks packages included in the following dimensions



	P	L	H
Mini.	70	100	120
Max.	200	500	240

#### 4: arrangements

2x1, 2x2, 2x3,  
3x1, 3x2, 3x3, 3x4  
4x1, 4x2, 4x3, 4x4  
5x1, 5x2, 5x3, 5x4



#### 5: Compressed air

Dry compressed air: 6 bars  
Consumption: 5 Nm<sup>3</sup>/h  
Connection Thread G1/2" internal

#### 6 : Electricity

Supply voltage	3N – 50Hz 400/230V
Capacity to be installed	65 kW
Protection	Main Interrupter
Cable area (min):	25mm <sup>2</sup>
ICC	customer supply





#### 7 : PLC's

- GE FANUC
- Allen Bradley
- Siemens
- Telemecanic

Condi film International Packaging' team  
thanks you for your visit.

We wish to have answered all your  
questions and we remind you that many  
other information is available on our  
Internet site:

[www.condi-film.com](http://www.condi-film.com)

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**Do it Yourself**  
*Your machine in 3 clicks*

**Machines**  
*Concept and equipment*

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