



**ATF** has been dedicating over 15 years to design and construction of machines and installations.

**ATF** operates in different industries, such as technical textile industry, non-woven industry, textile, rubber and plastic industry.

We mainly design and build 5 product lines:

- Palletizing units - Logistic
- Packaging installations
- Automatic winders
- Slitting machines
- Inspection machines

ATF, thanks to its technological know-how and to ability of its technical and engineering staff, manufactures more than 90% of its production according to the specific requirements of the customer, that are increasingly oriented towards Taylor-made installations.

**ATF** widmet sich seit über zehn Jahren der Planung und dem Bau von Maschinen und Anlagen.

**ATF** wirkt dabei auf verschiedenen industriellen Gebieten, vom technischen Gewebe bis zum Sektor non-woven, über Gummi- und Plastikprodukte bis zu Isoliermaterialien.

Wir entwerfen und bauen hauptsächlich fünf Produktlinien:

- Palletisierer - Logistik
- Verpackungsanlagen
- Automatische Aufwickler
- Schneidevorrichtungen
- Warenschaumaschinen

Als dynamisches Unternehmen mit hochspezialisierten Mitarbeitern bietet ATF Lösungen an, die auch die anspruchsvollsten Kunden zufriedenstellen. Die technisch-planerischen Fähigkeiten und anerkanntes technologisches know how ermöglichen es ATF, über 90 % der Produktion nach Kundenanforderungen herzustellen, was der Nachfrage des Marktes nach immer mehr Massanfertigungen entspricht.

# Conmputer system *Computersysteme*



ATF 750



**ATF 750** is an integrated data logger for the textile industry. Input data, defect recording, printing function simply using the touch screen.

**Software**

Information about the defects of each roll are shown graphically and in table format on the screen, and can be reviewed and modified. It is possible to have the roll quality automatically calculated, basing on number of defects or total demerit points.

**Printing of packing lists**

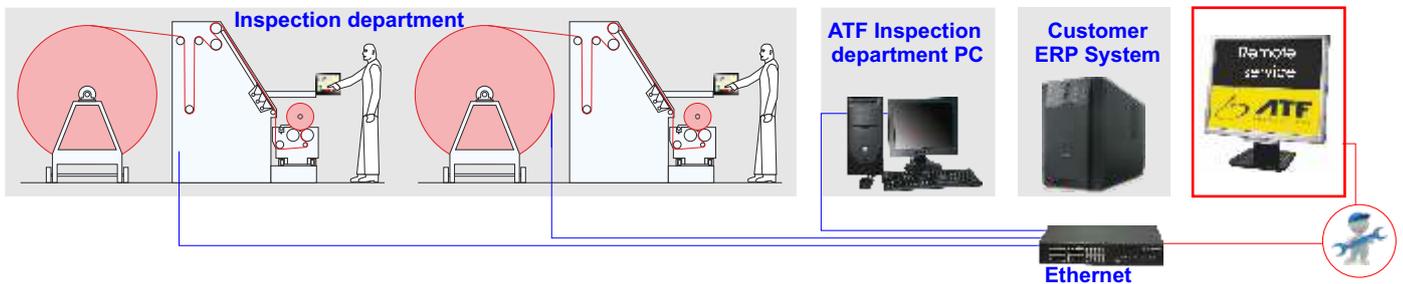
At the end of each lot (or when necessary) it is possible to obtain the automatic printing of a personalized packing list.

**Production statistics**

Since all data about produced rolls and registered defects are stored in a local database, it is then possible to visualize and print personalized statistics.

**Integration with customer ERP**

The software is customized to allow data Exchange with existing computer systems



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		ATF S.r.l. Via Giotto 35 Lurate Caccivio (CO) ITALY		DATE 21/11/2004
CLIENTE ATF Automations	ORDINE 11238			
LAVORAZIONE 5636	FINE SAGGIO F110			
LOTTO 116180	ARTICOLO NAVY			
ALTEZZA 151,2	COLORE Blu Navy	ROTOLO 010	COMPOSIZIONE 35% Cotone 65% Poliestere	
NETTO PESO Kg 25,1	LORDO 26,1	METRI 85,0		
<b>116180010</b>				

REFERENCE 087 VINILIC F.R.

SPLICES 25, 47, 87

LONG 103,2 Yd

P.O. 90113

STOCK B-350

Lot 10211

Roll 013

WEIGHT GROSS KG 80.3

Made in Mexico VI-003 R No. 1

**Label printing**

The software allows the printing of customized labels. Different label can be stored locally on each PC and recalled by the operator.

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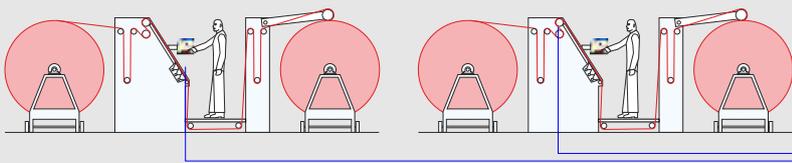


**OPTIMOM**

**FIRST PHASE : INSPECTION FROM BIG BATCH TO BIG BATCH**



The operators inspect the fabric from big batch to big batch using a data logger ATF 750. The aim of the inspection process will be to obtain a map of the faults and of all the relevant features of each fabric batch. All the data of each inspected big batch are available for the next phase called «CUTTING OPTIMIZATION»



ATF Inspection department PC

Customer ERP System



Ethernet

**SECOND PHASE : CUTTING OPTIMIZATION**

List stored Solutions

Lot Batch	Length	Customer
94412-253	400.00	ALMEDAHL
94412-254	341.00	ALMEDAHL

Solution Editor

Defec	Description	Position	Length
1	K96	209,50	0,10
1	K96	227,70	0,10
1	K96	232,50	1,90
1	K96	237,80	0,40

Roll #	Quality	Net Length	Begin	End	Reduc.(Cm)	Gross	Cod 2/scrap
5	1	40	200,60	243,10	250,00	42,50	

Mod. Begin/End   Split   Merge   Mod. Quality   Take Sample   Accept

Sol # 2708

LEGEND: 1st (green), 2nd (pink), Scrap (red), Sample (yellow)

ATF Cutting Optimization PC

OPTIMOM is a software which calculatethe best way to fraction a batch of fabric into smaller rolls. The optimization process is based essentially on:

- The list of defects of the batch to be optimized
- the set of rules/constraints defining first quality fabric and other qualities

After the automatic execution the cut instructions are stored in memory and are made available for the further step of the process (automatic or manual cutting)

**THIRD PHASE : AUTOMATIC CUTTING AND PACKAGING**



According to the cutting solution an ATF automatic winding and packaging machine will:

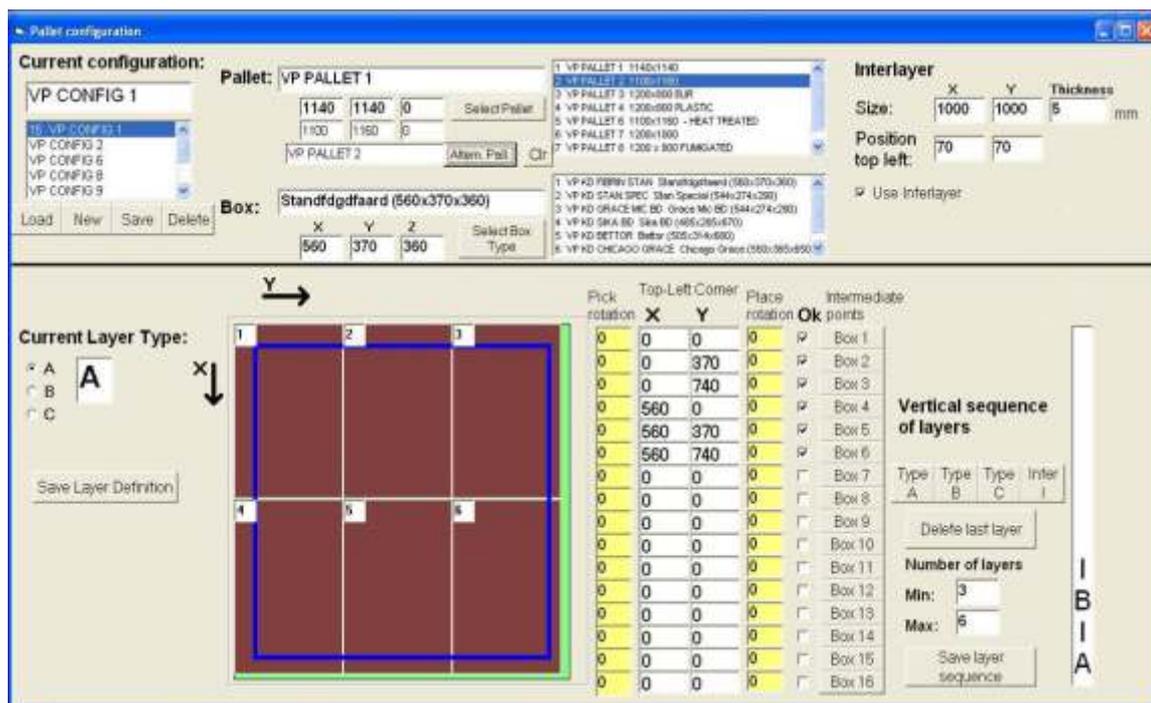
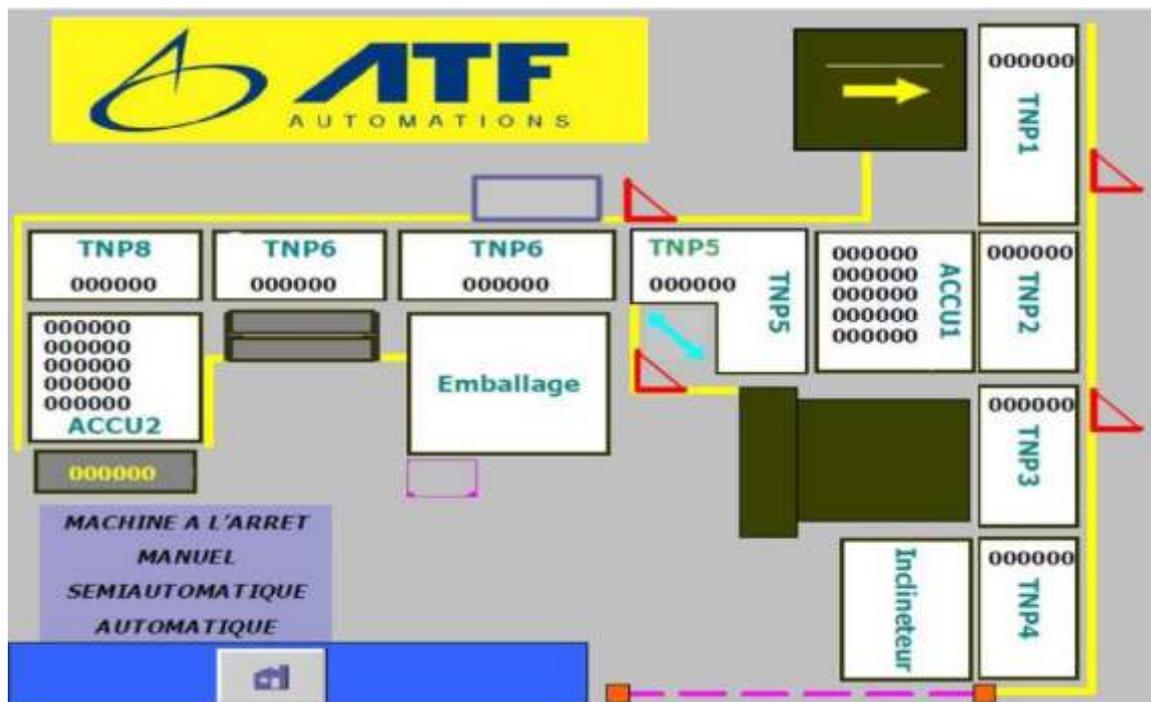
- cut automatically the rolls of first quality
- cut roll of second quality
- perform the final packaging
- perform labelling



ATF Cutting department PC



SOFTWARE



Another key point of ATF is the software engineering

- The software department develops
- :PLC software
- Palettizing and packaging software in Visul Basic
- Labelling software
- PC supervisor software

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