

ATF
A U T O M A T I O N S

A.T.F. S.r.l.

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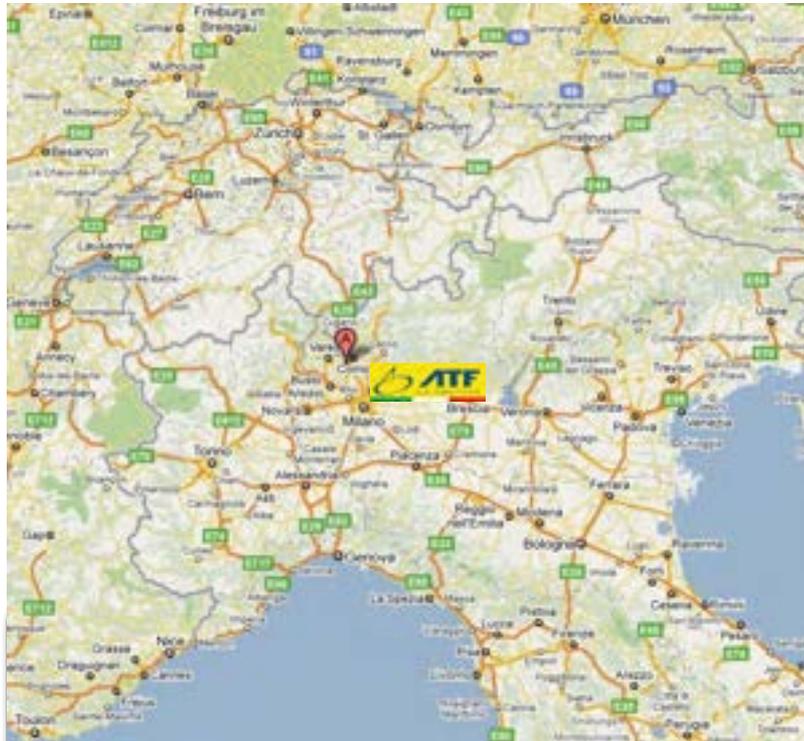
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Where we are:

- ATF is located in northern Italy, close to the Swiss border, 40 Km north of Milano



ATF Location



COMO : Our city



The Lake of Como



Historical notes:

21/06/1995	Date of establishment of ATF
11/02/2006	Transfer to the new premises
21/06/2015	20 th anniversary

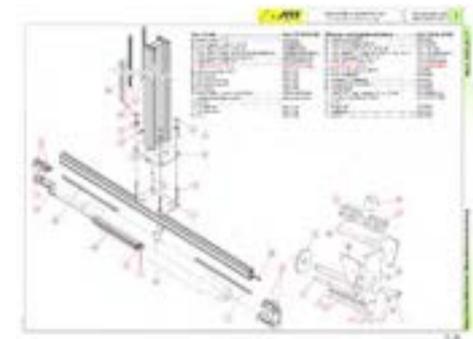


ATF facilities

Technical office:

The ATF technical office is the heart of the company into 4 sections:

- Mechanical engineering
(3D - Autodesk INVENTOR 2016)
- Electric engineering
(SPAC 2015 software)
- Software engineering
(TIA Portal SIEMENS) (CX One OMRON)
- Technical manuals .
(Microsoft Publisher)





Production Area:

Production area		
Preparation	Assembling of machines	Assembling of electric cabinets
~600mq	~1000mq	~200mq



Main stages of the production process:

BARCODE tracking

- Every stage of the production process, from design to assembly, is monitored by a computer system
- Human resources participate in the process of production

Please find below an example of recording process of a mechanical part

Drawing

Part

Machining
module



Computer
for barcode
recording

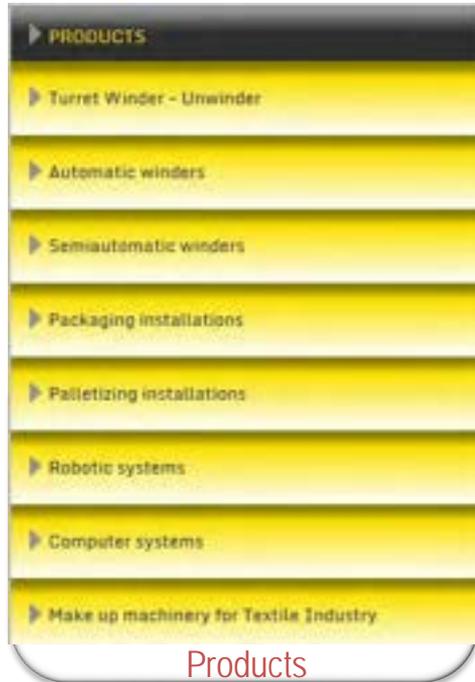


Machines
in production

Operator
recording phase



Products – Application area



Customized lines

Over 90% of the ATF production is built to measure, and suitable to the specific requirements of the customers, who increasingly demand tailor-made installations

Market

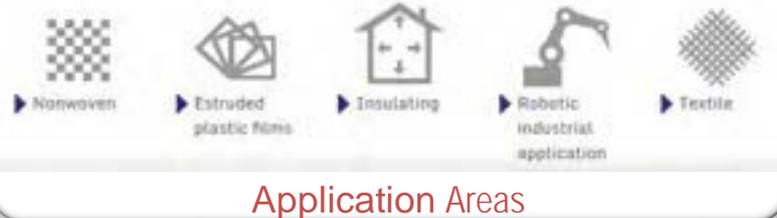
ATF exports 95 % of his production worldwide.

Main markets:

- Europe
- Russia
- USA

FAT (Factory Acceptance Test)

All the lines are completely erected in Italy and tested before shipment.





Exhibitions and Events....



Exhibition	Location	Sector
TECHTEXTIL	Moscow	Technical Textile
IDEA	Boston	Nonwoven materials
K Show	Düsseldorf	Film
ICE Show	Munich	Converting
INDEX	Geneva	Non-woven materials
TECHTEXTIL	Frankfurt	Technical Textile
ITMA	Barcelona	Non-woven materials + Textile

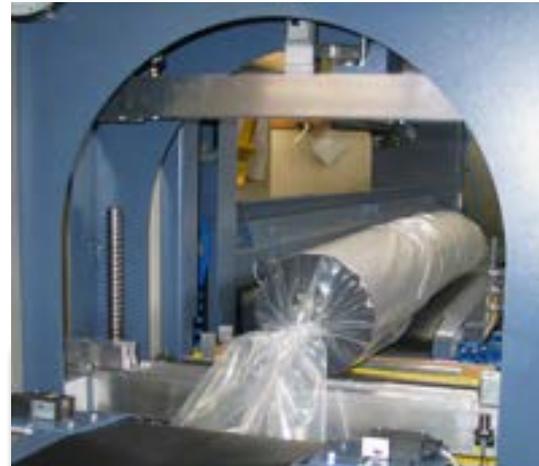


PACKAGING:

Ends Closing for rolls



Thermo – Sealing



Ultrasound



Film inside the core



Ends Shrinkage



PACKAGING

Packaging machine for big rolls



Packaging machine for big rolls - Ends closing with ultrasound



WINDER

Drum winder for filtration webs



Roll exit at the drum winder



HANDLING & ROBOTICS:

Robotics Applications



General view



Table handling tools



WINDER

Winder + slitting for nonwovens 7m width





WINDER

Winder + slitting for nonwovens 7m width





WINDER

Drum winder for Meltblown



General view



WINDER

Automatic winder for nonwoven



General view

Winding unit



WINDER & PACKAGING

Roofing converting line



Exit winder



Liner application with hot melt



HANDLING & PALLETIZER

Roofing converting line





STRETCHING & PALLETIZER





WINDER & PACKAGING

Roofing converting line





WINDER & PACKAGING:

Roofing converting line





WINDER

Roofing converting line

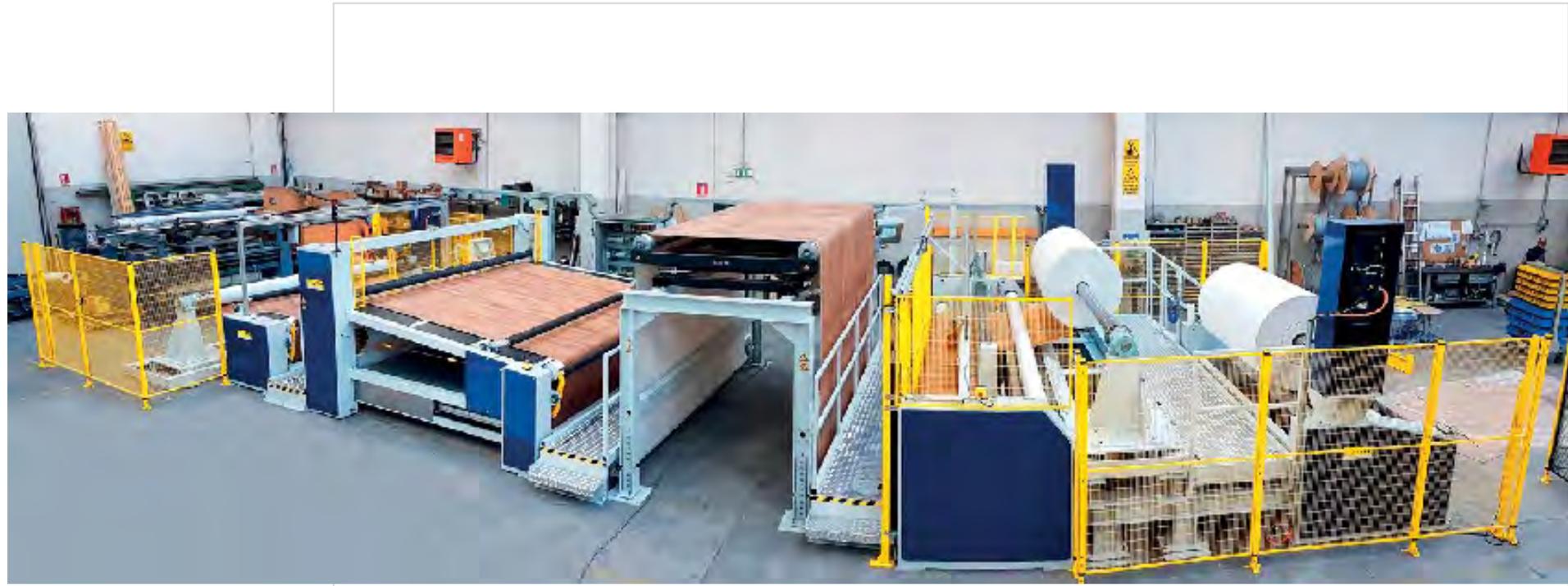


General view



WINDER

Floor-covering winding line





WINDER

Lamination line for hygienic products (Frontal tape for diapers)



General view



Turret winder



Two splicers on fly



PACKAGING & PALLETIZING:

Packaging and palletizing installation for non-woven materials



Packaging and palletizing installation for non-woven materials



HANDLING & ROBOTICS

Handling of hygienic reels and packaging



General view



WINDER

Winder for wadding



General view



HANDLING :

Spooler handling



General view



SPECIAL LINE:

Milling plant



The French President, Mr. Holland, inaugurates the customer's new facility..



General view



Stacking of the milled panels



The milled panels



Final packaging



SPECIAL LINE:

Packaging with paper



Packaging with paper for floor covering

DETAILS

Mechanical details:



Detail of a Cartesian palletizer

DETAILS

Electrical details:



Main electric cabinet



Production:

Electrical details:



Metal conduits for cables



Production: HMI Touch Screen :



HMI



Production:

HMI Touch Screen :

Accumulator & Winders HOME PAGE

HW Safety Air Setup Not Ready Gates & Rope OK Barriers OK TEST

Accum. Winders Stretch Core L

Master Velocity **15.0 m/min**
 Winder Velocity **5 m/min**
 Roll Length **0.7 m**
 Roll Diameter **0.096 m**

ACCUMULATOR ZONE

Automatic Mode OPERATIVE
 Accumulator Opening

WINDERS ZONE

Automatic Mode OPERATIVE	Tana-Winder Group Material Threading Active #8: Wrapping	ROLL WASTE	Pull Master Moving Synch
Axial-Winder Group Not Selected	Cross Cut Group Material Moving	OP PRESEL ON	AUTO RUN ON
THREADING DONE	Roll Eject Ready	Roll Length Preselection 30.0 m	RE Alianer Automatic Mode

MAIN MENU

HOME TRETCHER TRACKING DATA AGNOSTIC MANUAL T-Winder MANUAL Others PAGE BACK

HMI Example



Production:

HMI Touch Screen :

Accumulator Dancer Roll

TREND

HW Safety Air Setup Not Ready Gates & Rope OK Barriers OK TEST

Accum. Winders Stretch Core L

Dancer P.I.D.

P I D

Proportional Gain: 1.000
P Component: -0.0 %

Integrative TI: 0.100 s
I Component: H +0.0 %

Derivative TD: 0.010 s
Derivative TM_LAG: 0.050 s
D Component: +0.0 %

PID Component: -0.0 %

In Position Tol: 5 %
Inside Dead Band: 1 %

ACCUMULATOR
Opening

OPEN CLOSE

PULL MASTER
Not Ready to Move Synch

FWD REV

Velocity [m/min]

Position [%]

Trend	Tag connection	Value	Date/time
Master Core Actual Velocity [m/min]	DB_HMI_STS_M	0.000000	01/12/2017 17:27:23.675
Pull Master Actual Velocity [m/min]	DB_HMI_STS_P	0.000000	01/12/2017 17:27:23.675
Accumulator Actual Position [%]	DB_HMI_STS_A	15.430720	01/12/2017 17:27:23.675
Entry Dancer Actual Position [%]	DB_HMI_STS_A	50.000000	01/12/2017 17:27:23.675

HOME !AGNOSTIC MAIN MENU TECHNICAL PAGE BACK

HMI Example