

SANTEX  
RIMAR  
GROUP

ATHENA

Advanced  
Deep Learning  
Technology

With ATHENA the machine becomes an active and autonomous part of production, controlling the inputs/outputs set up and handling incurred malfunctions or production defects in real time.

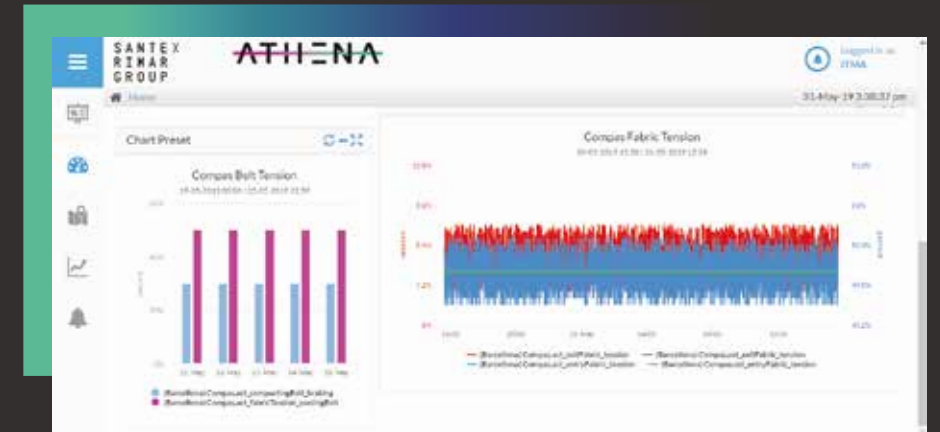
Machines are equipped with specific sensors to collect data and measure production parameters such as:

- machine speed
- machine internal temperature
- machines vibrations
- fabrics tension
- fabrics residual moisture quantity
- fabrics width control
- many more, depending on the machine model

Using data collected by the sensors, ATHENA defines the parameters of the **STANDARD PRODUCTION QUALITY.**

With ATHENA you can:

Create your own Charts view



Check machine status from any device thanks to the HTML5 graphics

Fully control data of multiple connected machines in one single platform

Define many access permissions, assigned to different users according to their operativity and visibility level



Export your data

With ATHENA, your production will improve in terms of:



higher yields



waste reduction



time optimization

## Athena Advantages

Real-time information  
(24/7, always connected)

Performance improvement

Raw material optimization

Predictive maintenance

Process optimization

Automatic set parameters

Self-configuration of the production process

Intelligent production system

Data analysis

## Production advantages

Cost savings

Improved quality

Increased final customers satisfaction

Improved flexibility

Increased efficiency

The speed of the production processes is the hardest challenge and at the same time the biggest opportunity to develop new business models in the textile industry in order to satisfy new users' needs.

In intelligent textile industry systems machines can communicate with each other and with devices in the full potential of Industry 4.0 achievements.

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