



TAYAL S.P.A

L'Algérienne des Industries Textiles



Presentation of the Textile Industry

TAYAL is one of the world's leading vertically integrated textile manufacturers.



The Founders

L'algérienne des Industries Textiles has been founded by the Algerian companies C&H Group, E.P.E TEXALG, MADAR Holding and the Turkish INTERTAY (TAY Group).

Project

Covering a total area of 110 hectares, TAYAL is one of the few vertically integrated complexes in the world.

Geo-strategic position

Located in the middle of an active textile region's markets (Middle East, Africa, Europe)

Launching

Project has been launched in April 2016, local & export commercialization start in 2018.



UNITÉ 02
Cotton Warehouse

UNITÉ 26
Administration

UNITÉ 21,22,23
Confection

UNITÉ 25
Logements

UNITÉ 03 & 04
Spinning

UNITÉ 27 & 28
Training Center

UNITÉ 05
Indigo

UNITÉ 06
Knitting

UNITÉ 10
Hospital & Restaurant

UNITÉ 8/9
Weaving

UNITÉ 07
Energy

UNITÉ 11
Dyeing & Finishing

PRODUCTION





Cotton

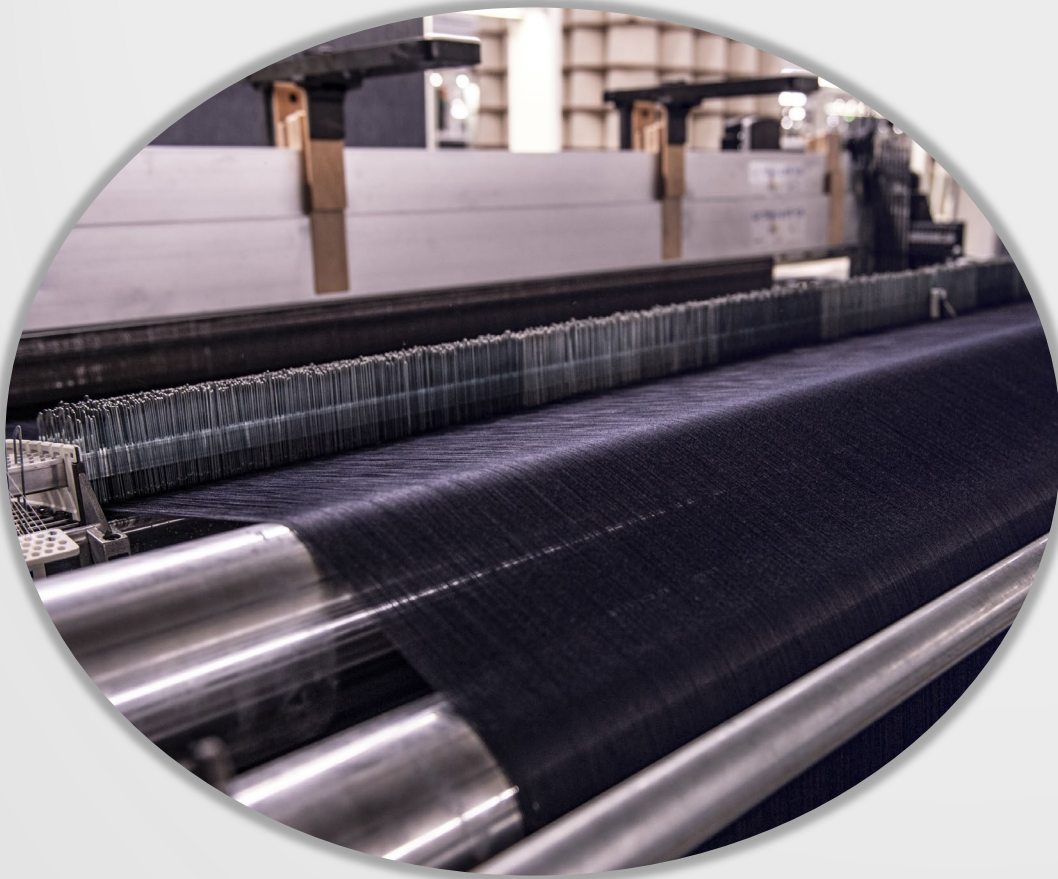
The cotton storage and warehousing unit covers an area of 10,800 m², allowing the quality and properties of the cotton purchased to be preserved.

We are using Greek, Turkish, Brazilian, American, Egyptian and African Cotton.



Spinning

TAYAL produces 25,000 tons of various types of yarn, with thicknesses ranging from 10 Nm to 135 Nm.



Weaving

Equipped with the latest technology, our two weaving units, set on over 4 hectares of land, can produce up to 45 million meters of denim and non-denim fabric per year.



Knitting

With an annual production capacity of 4,000 tons, the knitting unit is equipped with powerful, multifunctional machines to offer a wide variety of knitted fabrics.



Confection

5 manufacturing units with a capacity of 30 million pieces of garments per year, including 12 million denim and non-denim articles, 12 million knitted items and around 6 million shirts.

OUR PRODUCTS



YARN

Fibers

- Coton
- Polyester
- Elastane
- Viscose
- Tencel

Quality

- Carded
- Combed
- Open end
- Compact

Types

- Ecu
- Dyed

The 100% cotton yarn is certified



FABRIC

Weaving

- Twill
- Plain
- Satin

Knitting

- Kachkorse
- Ribana
- Jackart
- Interlock
- Pique
- Suprême
- 2 Fleece
- 3 Fleece

Treatment

- Water repellent
- Fire retardant
- Oil-repellent

"Every type of fabric for every need"

Garment

Made from fabric produced internally, our product range for all ready-to-wear styles with denim, non-denim and knit fabrics.

The most popular items are :

Garment:

- Polo
- T-shirt
- Pull
- Jacket
- Sweatshirt
- Short
- Shirting
- Pyjama
- Pantalon

Work wear:

- Medical uniforms
- Cleaning outfits
- Safety wear
- Outfits



CERTIFICATI

ONI

In order to meet international requirements for product certification, TAYAL has set the challenge to acquire the most recent certifications requested by overseas markets.





CERTIFICATIONS





ISO 9001 | Quality Management



ISO IEC 17025 | General Requirements for the Competence of Calibration and Testing Laboratories (Ongoing)

ISO 14001, 45001 | Environment and Health & Safety Management (Ongoing)



ISO 37001 | Anti-bribery management systems (Ongoing)



BSCI Business Social Compliance Initiative



Client Audits

CERTIFICATIONS

Social and
Environnement Audit
by **KONTOOR Brands**



Social and Environnement Audit by
LEVI'S



HRP, Quality and
environnemental client
audit for **DECATHLON**



Social and Environnemental Audit for **INDITEX Group** (Zara, Pull & Bear, Bershka, Massimo Dutti...)



Social Audit by **Carrefour** (Good
Factory Standard)



Social & Quality Audit by **T&C** (WRAP
Standard)



QUALITY CONTROL

Quality is a key factor in the textile industry, therefore TAYAL has set up several laboratories to monitor the quality of its cotton, yarn, fabric and garments, in order to meet certain performance standards.

The goal of quality is to enhance product quality, reduce risks, increase production efficiency, and achieve the client's requirements.

The three (03) main quality control processes are :

A- **Testing** (Physical – Chemical)

B- **Visual Control** (Inspection)

C- **Color Evaluation**



A-TESTING

In physical laboratory, tests are performed on the final product to ensure physical and Chemical properties.

The International standards applied in our laboratory include;

- AATCC (American Association of Textile Chemists and Colorists)
- ASTM (American Society for Testing and Materials)
- ISO (International Organization for Standardization)
- Decathlon
- Levi's



B-VISUAL CONTROL

To examine fabric defects on the inspection machine, visual inspection is done with bare eyes.

Following this inspection, the defects of the fabric are evaluated and the quality of the fabric is classified accordingly.

- Defects are marked in such a way that customers can recognize them by spreading and cutting them.
- Fabric will be graded using the “4-Point” system.



C -COLOR EVALUATION

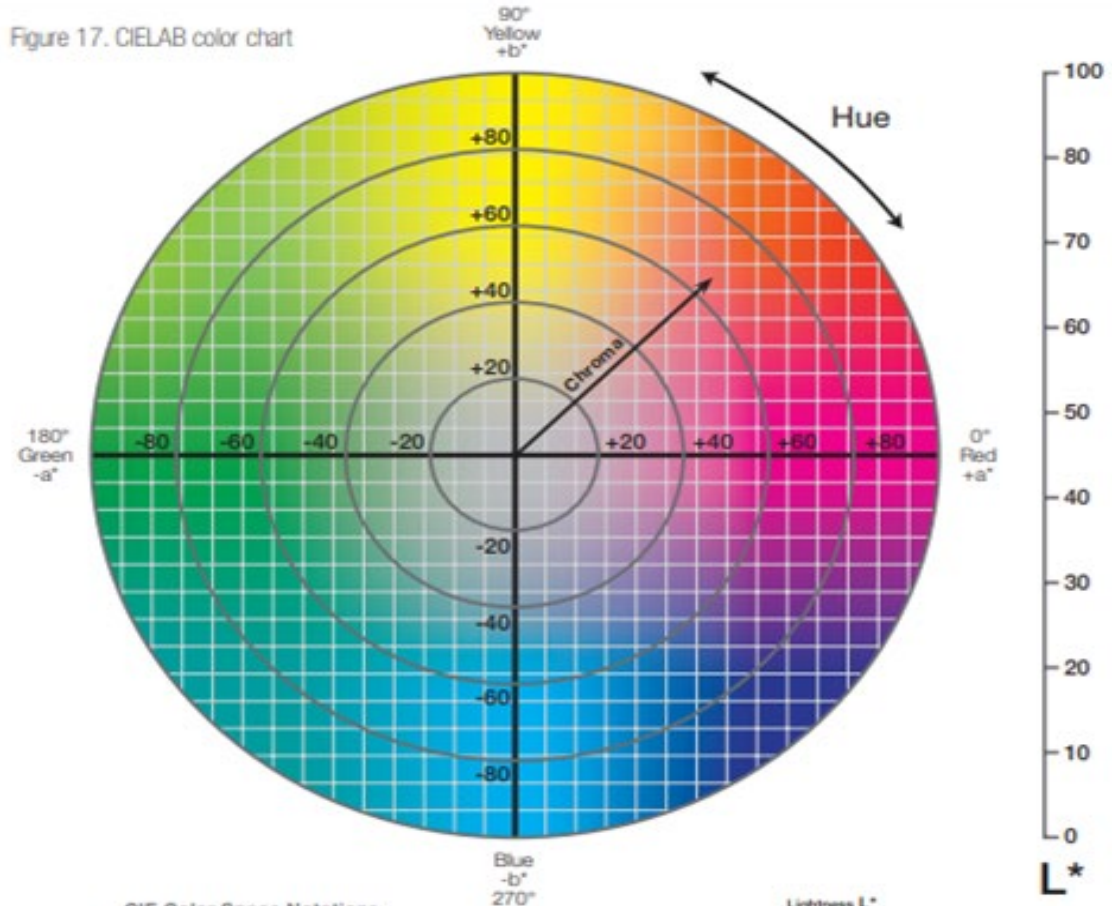
Color errors may cause wasted products, time, and expenses for brands.

To ensure textile color accuracy, TAYAL use spectrophotometers and properly prepare samples.

Even a slight variation in the sample could lead to inaccurate readings. Different textiles often require different methods of measurement such as :

- Crosshatch ;
- Layering ;
- Stretching....

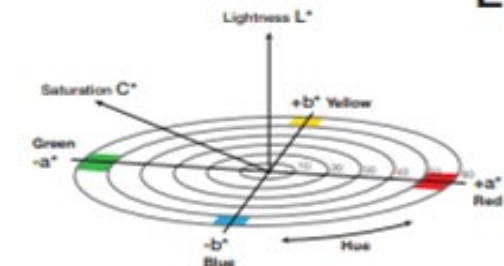
Figure 17. CIELAB color chart



CIE Color Space Notations

ΔL^*	- difference in lightness/darkness value	"+" = lighter "-" = darker
Δa^*	- difference on red/green axis	"+" = redder "-" = greener
Δb^*	- difference on yellow/blue axis	"+" = yellower "-" = bluer
ΔC^*	- difference in chroma	"+" = brighter "-" = duller
ΔH^*	- difference in hue	
ΔE^*	- total color difference value	
ΔE_{acc}	- total acceptable color difference value	

$$\Delta E_{\text{acc}} = 1942 \pm \Delta E_{\text{acc}} = 1975 \pm \Delta E_{\text{acc}} = 1984 \pm \Delta E_{\text{acc}} = 1990 \pm \Delta E_{\text{acc}} = 2000$$



Measuring equipment and calibration

TAYAL has over 59 type of measuring and monitoring equipment for a total of more than 500 devices.

We collaborate with local & international accredited organizations for the calibration of measuring, control and testing equipment.



Training



Training Center

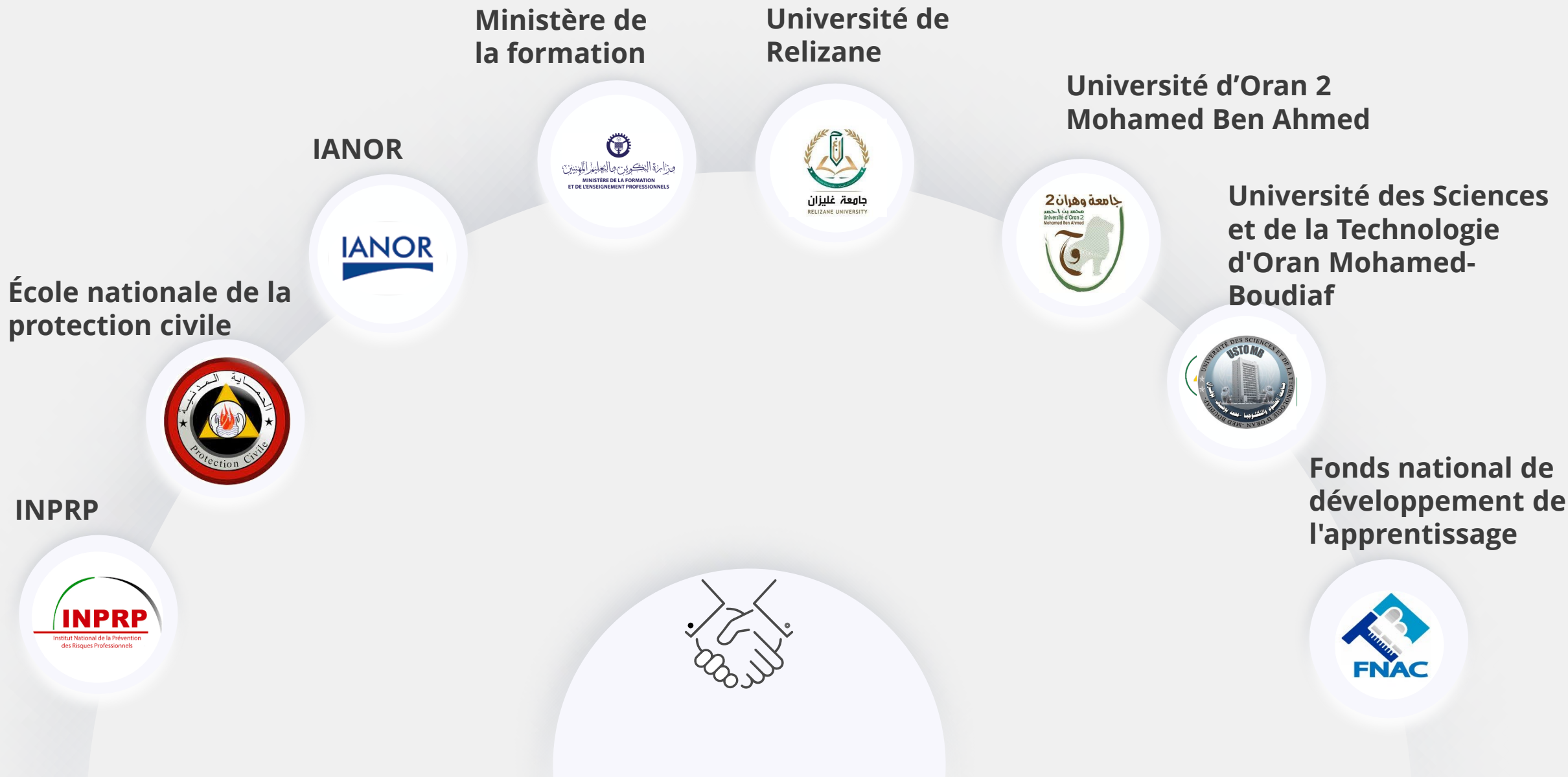
1100
M²

Application Center

4835
M²



AGREEMENTS



SUSTAINABLE DEVELOPMENT



Energy

To guarantee its energy autonomy, TAYAL has been equipped with a tri-generation unit.



TAYAL is equipped with eight (08) natural gas engines, each generating 4.3 MW of electricity. The energy produced allows us to ensure continuous production

8 Engines
natural gas

35 MW

Electrical energy



24 T/H

Water vapor



10MW

Cold water





Water Treatment



Biological and chemical treatment tanks



Wastewater
treatment with a
capacity of 10 000
M³/Day.

Process water
treatment, capacity
of 300 M³/h.

Water drilling



Sieving



Disinfection



Clean water



INTERNATIONAL BUSINESS





Egypt



France



Italy



Belgium



Peru



Portugal



Lebanon



Poland



Tunisia



Turkey





Thank You

Contact

 www.tayal.dz

 info@tayal.dz

 [@tayalspa](https://www.instagram.com/tayalspa)

 [@tayalspa](https://www.facebook.com/tayalspa)

 [@tayalspa](https://www.linkedin.com/company/tayalspa)