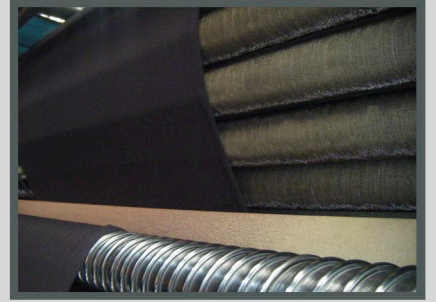




## HIGH CLASS TEXTILE TREATMENT



# Contents

About Us.....	4
Company Profile.....	5
Facilities.....	6
Services.....	10
Certifications and Tests.....	18
Support Units.....	19
R&D.....	20
Academy.....	21
Access Map.....	22

# About Us



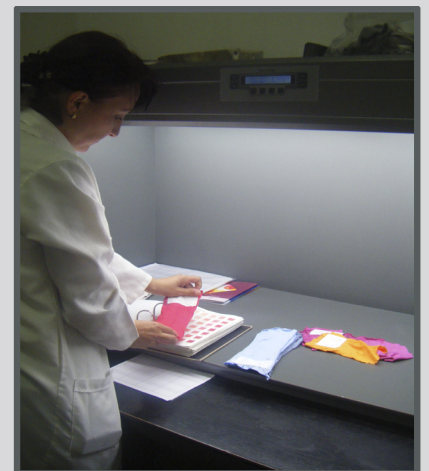
Pad-Batch for Knit Fabric

Ariteks which was founded in 1975 is a leading company in its area, by continuously developing high-end technologies in yarn and fabric treatment also in functional technical textiles.

Ariteks is pioneering in IT technologies, dyeing methods, horizontal and vertical automation from instrumentation level to finance, machine modelling, special softwares, water consumptions, environmental emission levels and textile treatment.

The company spends %16 of its budget to R&D for textile and R&D for automation.

After all this works, Ariteks can use clean energy resources others are reluctant to use. It can reach highest production quality.



Color Analysis



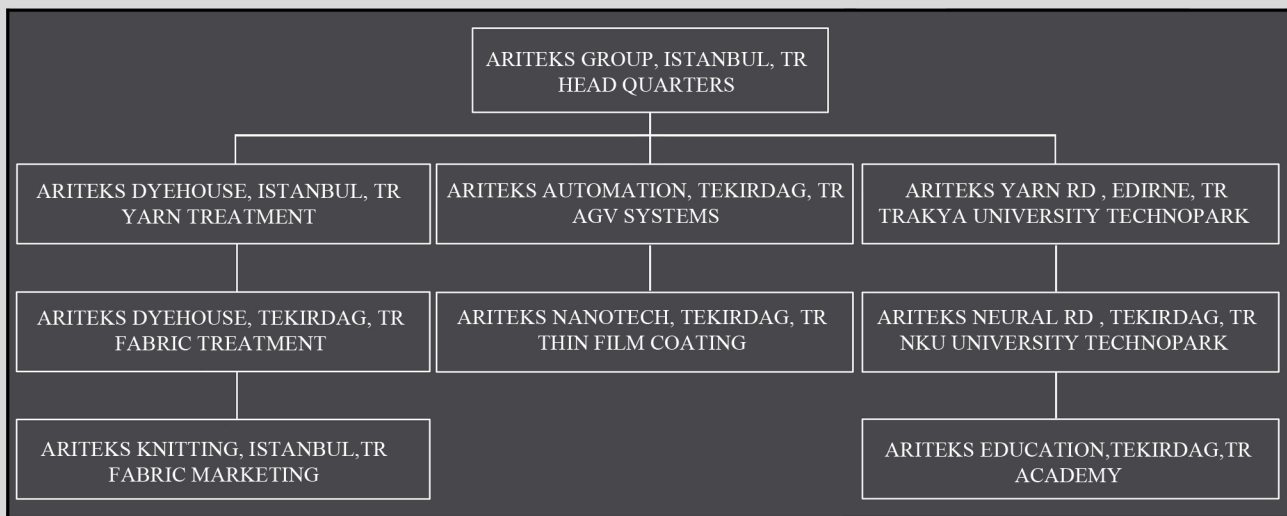
Tensionless Thermosol Range



# Company Profile

Sait Susin, founder.

Ariteks started to operate in 1975 by acrylic hank dyeing and now treats 20 tons of yarn and fabric per day. The company is now managed by the founder and the second generation family members.



## Ariteks Group, Head Quarters

Financial, institutional and human resource management

## Ariteks Dyehouse, Yarn Treatment

All kind of fiber treatment in hank and bobin form

## Ariteks Dyehouse, Fabric Treatment

All kind of fabric treatment in tensionless lines

## Ariteks Knitting, Fabric Marketing

Technical textile knitting and marketing

## Ariteks Automation, AGV Systems

Automated guided vehicles for industries

## Ariteks Education, Academy

Textile educational support and consulting services

# Facilities



## Istanbul Facility

### Fiber Treatment

#### HT Dyeing Machines

Fiber (or hank) dyeing and finishing between 20-500 kg capacity

#### Centrifuge

High efficient hydro-extracting

#### Drying

RF fiber drying

### Yarn Treatment

#### First Rewinding

Rewinding

Missing rewinding (Thin and shiny yarns)

#### Prefixation

#### HT Dyeing Machines

Yarn dyeing and finishing between 20-500 kg capacity

#### Centrifuge

High efficient hydro-extracting

#### Drying

RF drying

#### Last Rewinding

Rewinding

Missing rewinding (Thin and shiny yarns)

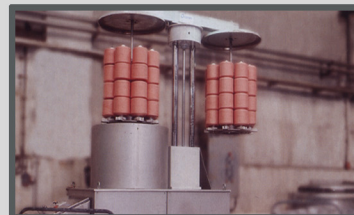
Missing Rewinding



RF Drying



High Efficient Centrifuge



# Facilities



Singeing

## Çorlu Facility

### Knit Fabric Treatment

#### Pretreatment

- Singeing
- Prewashing
- Causticising
- Merserizing
- Continuous Bleaching
- Prefixation

#### Dyeing

- Pad-Batch
- Pad-Dry
- Pad-Steam
- Pad-Dry-Pad-Steam
- Pad-Sky

#### Finishing

- Coating
- Impregnating
- Fixation
- Tensionless Calendering
- Felt Compacting

#### Physical Finishing

- Raising
- Brush Sueding
- Combing
- Shearing
- Continuous Tumbling



Pad-Steam



10 Bases Stenter



Pad-Batch

# Facilities

Continuous Washing



## Çorlu Facility

### Woven Fabric Treatment

#### Pretreatment

- Singeing
- Desizing
- Merserizing
- Continuous Bleaching
- Prefixation

#### Dyeing

- Pad-Batch
- Pad-Dry
- Pad-Steam
- Pad-Dry-Pad-Steam
- Pad-Sky

#### Finishing

- Coating
- Impregnating
- Fixation
- Calendering
- Rubber Compacting

#### Physical Finishing

- Raising
- Sueding
- Brush Sueding
- Shearing

Arteks treats flexible fabrics since 1975.

Through open width tensionless technology, it is possible to treat most sensitive woven fabrics .

Arteks offers high fastness VAT, effect dyeing, indigo dyeing and others.

Special woven fabrics can be standartzized by Arteks' high-end RD structure.



Shearing and Sueding Machines



Poplin (Reactive Dyeing)



Stone Washed (Sulphur dyed canvas)





## Çorlu Facility

### Non-Woven Fabric Treatment

#### Pretreatment

- Prewashing
- Continuous Bleaching

#### Dyeing

- Pad-Batch
- Pad-Dry
- Pad-Steam
- Pad-Dry-Pad-Steam

#### Finishing

- Coating
- Impregnating
- Fixation
- Tensionless Calendering
- Felt Compacting



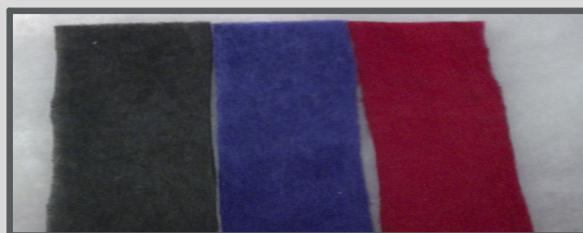
Polypropylene Non-Woven Red Dyed Web  
(Indutech Filtration)

Non woven fabrics are produced by needling of fibers, widely used in various levels of technical textiles, which are becoming more and more important.

In Arteks' tensionless facility, thinnest non-woven fabrics can be dyed and extra functions can be added.

Some of those extra functions are; soil release property for hygienic sector, antibacterial or vector protection property for medical textiles, UV protected upholstery for automotive industry.

Dyed Non-Woven Web



# Services

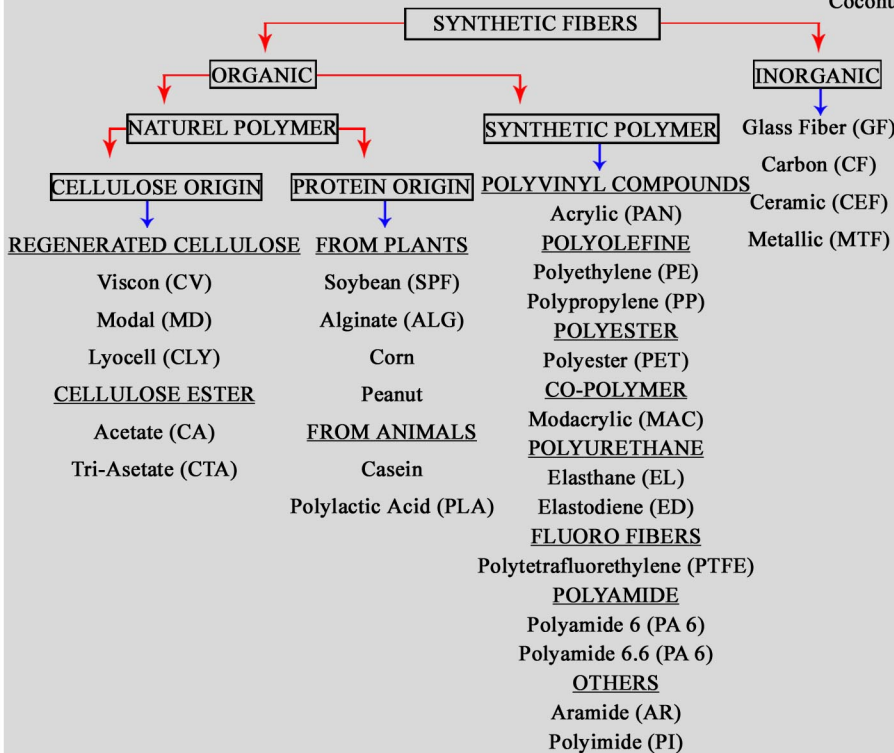
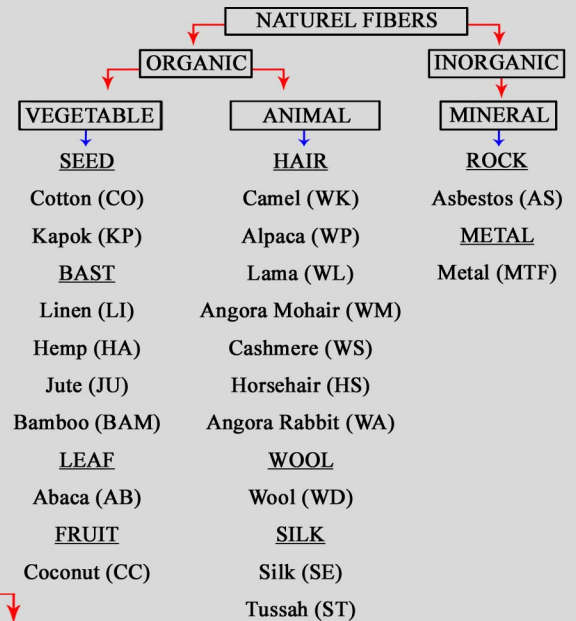
Apparel Textiles  
Home Textiles  
Technical Textiles



Classification of Fibers  
Natural Fibers  
Synthetic Fibers

## Dyeable Fibers

All fibers in the tables as,  
row fiber,  
all kind of yarn,  
600-2600mm width knit fabric,  
600-2600mm width, 1100gr/m weight woven fabric  
800-2600mm width, 10-200gr/m<sup>2</sup> weight  
Non-Woven fabric can be dyed and finished.



## Dyeing Process

- Fiber, Yarn, Knit Fabric, Woven Fabric, Non-Woven Fabric Dyeing

### Single Dyeing

- Optic Dyeing (All Fibers)
- Reactive Dyeing (Cellulosic, Flax, Modal, Lyocell fibers)
- VAT Dyeing (Cellulosic fibers)
- Acid Dyeing (Polyamide, Wool, Silk fibers)
- Dispers Dyeing (Polyester, Polypropilene fibers)
- Basic Dyeing (Acrylic, Modakrilic, Aramide fibers)
- Pigment Dyeing (All fibers)
- Fluorescent Dyeing (All fibers)

### Mixture Dyeing

- Reactive - Dispers Dyeing (Cotton-Polyester mixtures)
- Reactive - Acid Dyeing (Cotton-Polyamide-Wool mixtures)
- Reactive - Basic Dyeing (Cotton-Acrylic mixtures)
- VAT - Dispers Dyeing (Cotton-Polyester mixtures)
- VAT - Acid Dyeing (Cotton-Polyamide Wool mixtures)

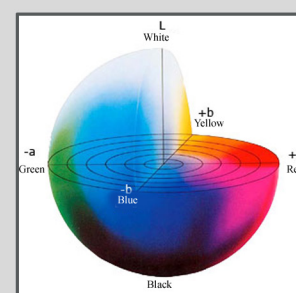
- Knit and Woven Fabric Effect Dyeing

### Single Color Effect Dyeing

- Pigment Dyeing
- Sulphur Dyeing
- Indigo Dyeing

### BiColor Effect Dyeing

- Reactive - Sulphur Dyeing
- Sulphur - Pigment Dyeing



CIE L\*a\*b

In Aritek's, fiber, yarn and fabric can be dyed.

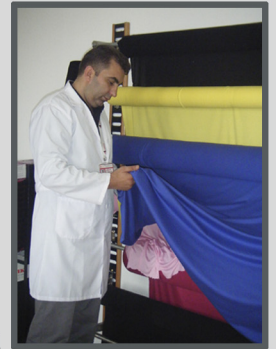
Fibers can be treated in raw and hank forms.

All natural and synthetic raw materials can be dyed both in single and mixed forms.



VAT- Dispers Dyed Poplin (Cotton-Polyester)

# Services



Softness Control

## Finishing

### Apparel Textiles

- Elasticity
- Softening
- Silk Touch
- Super Absorbent
- Parfume Smell
- Hydrophobe
- Antislippage
- Water and Oil Repellent
- Sewing Improvability
- Easy Care

Nowadays, touching is equally important as  
visuality in aesthetic fabrics.

Silk touching accompying to shiny colors and  
parfum effect are common features for fabrics  
processed in Ariteks' facilities. Flexibility,  
comfort and freshness are additional.



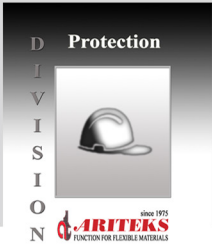
Silk Touch Finish



VAT Dyed Velour  
Flourescent Dyed Viscose



Surface Control



## Finishing

### Technical Textiles

#### ● Protection

Acoustic Protection

High Visible

IR Protection

UV Protection

Thermal Camera Protection

Thermal Protection

Weather Protection

Cold Protection

Flame Retardant

Insect Repellent and Vector Protection

Antibacterial, Antifungizid

Antistatic

Electric Protection

Antislippage

Chemical Protection

Soil Repellent

Water Barrier

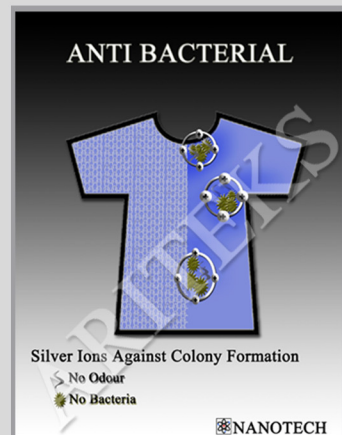
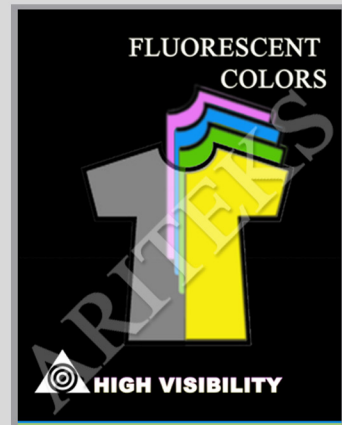
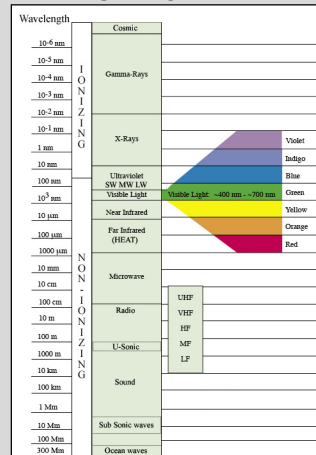
Water, Oil, Alcohol and Soil Repellent

Semi Permeability

Balistic Protection

Stitch and Cutting Protection

Electromagnetic Spectrum



# Services



## Finishing

### Technical Textiles

#### ●Home

- UV Protection
- Thermal Protection
- Flame Retardant
- Light Protection

- Insect Repellent and Vector Protection
- Hydrophile
- Antibacterial, Antifungal

Antistatic

- Antislippage
- Tensile Strength
- Dry Soil Repellent

- Water, Oil, Alcohol and Soil Repellent
- Water Barrier
- Water Tightness
- Super Absorbent
- Wrinkle Free Washing

Biocompatible

#### ●Medical

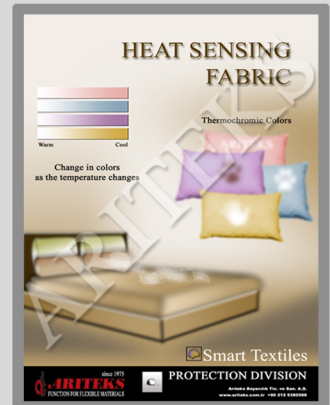
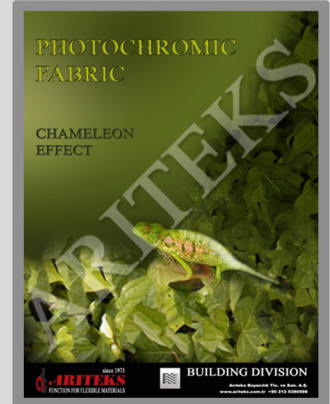
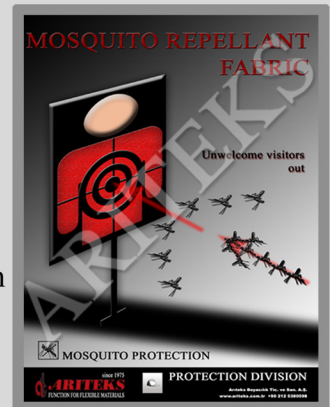
- Gamma Ray Resistance
- Antibacterial, Antifungal
- Insect Repellent and Vector Protection

Elasticity

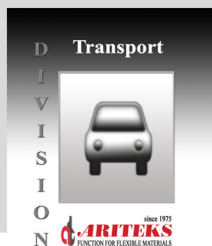
- Biocompatible
- Biodegradable

#### ●Cloth

- Antibacterial, Antifungal
- Dry Soil Repellent
- Firmness



# Services



## Finishing

### Technical Textiles

#### ● Transport

Antibacterial, Antifungal

Antifogging

High Pressure Cleaning

Air Permeability

Acid Resistance

Water, Oil, Alcohol and Soil Repellent

Dry Soil Repellent

#### ● Sport

High Visible

Cold Protection

Weather Protection

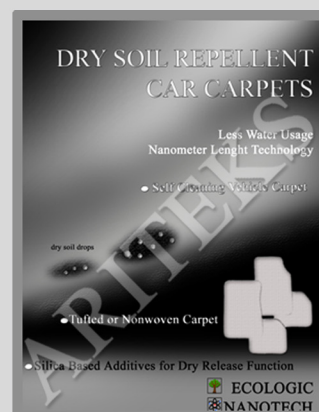
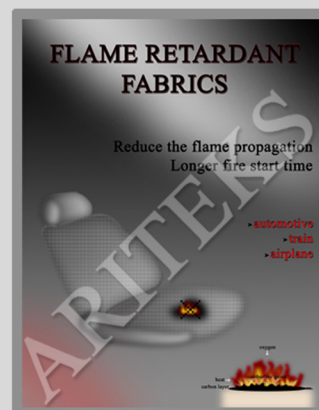
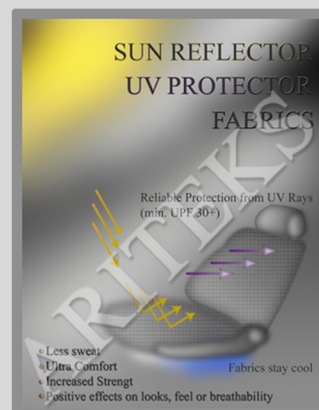
Antibacterial, Antifungal

Water Barrier

Water, Oil, Alcohol and Soil Repellent

Air Permeability

Gas Proof



# Services



## Finishing

### Technical Textiles

#### ● **Geology**

Water Barrier

Gas Proof

Sealing

Coverage

Decomposition Protection

Light Conductivity

Electric Conductivity

Chemical Protection

#### ● **Environment**

Decomposition Protection

#### ● **Agriculture**

UV Protection

Cold Protection

Super Absorbent

Antiabrasion

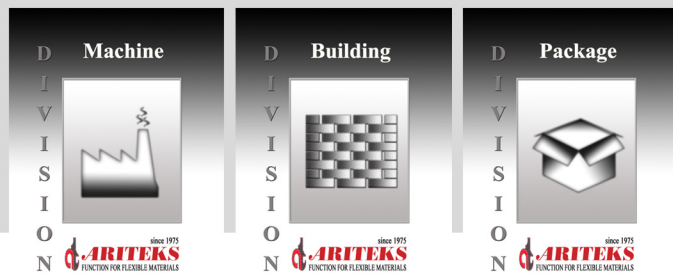
Coverage

Decomposition Protection

Biodegradable



# Services



## Finishing

### Technical Textiles

#### ●Machine

Weather Protection  
Light Protection  
Flame Retardant

Antistatic  
Electric Protection

Antislippage  
Antiabrasion

Hydrophile  
Water Barrier  
Super Absorbant

Chemical Protection

Semi Permeability  
Filtration

Gas Proof

Coverage  
Stiffeners  
Sealing  
Reinforcement

Biodegradable

#### ●Building

UV Protection  
Weather Protection  
Light Protection

Water Barrier  
Antibacterial, Antifungal  
Dry Soil Release

Coverage  
Stiffeners

Air Permeability  
Tensile Strength

#### ●Package

Antislippage

# Certifications and Tests



Fastness Determination



Organic Certificate



Yarn  
Oeko-Tex Certificate



Fabric  
Oeko-Tex Certificate



Antimicrobial  
Products



ISO 9001 Certificate  
for Corlu Fabric  
Treatment Plant



Kyoto Protocol  
Certificate

## APPAREL AND HOME TEXTILE

- Determination of linear density
- Determination of mass per unit area
- Determination of width and length
- Determination of dimensional change
- Colour fastness to artificial light
- Colour fastness to rubbing
- Colour fastness to water
- Colour fastness to sea water
- Colour fastness to chlorinated water
- Colour fastness to perspiration
- Colour fastness to spotting: Acid
- Colour fastness to spotting: Alkali
- Colour fastness to laundering
- Colour fastness to mercerizing
- Colour fastness to bleaching: Hypochlorite
- Colour fastness to bleaching: Peroxide
- Colour fastness to dry heat
- Colour fastness to PVC coating
- Colour fastness to hot pressing
- Colour fastness to dry cleaning
- Determination of abrasion resistance
- Tensile properties of fabrics - Part I
- Bursting properties of fabrics - Part I

- ISO 2060
- ISO 3801
- TS EN 1773
- ISO 3759
- ISO 105 B02
- ISO 105 X12
- ISO 105 E01
- ISO 105 E02
- ISO 105 E03
- ISO 105 E04
- ISO 105 E05
- ISO 105 E06
- ISO 105 C06
- ISO 105 X04
- ISO 105 N01
- ISO 105 N02
- ISO 105 P01
- ISO 105 X10
- ISO 105 X11
- ISO 105 D01
- ISO 12947-1
- ISO 13934-1
- ISO 13938-1

## BUILDING

- Determination of tensile strength and elongation at break
- Determination of coating adhesion
- Rating of sound insulation

- ISO 1421
- ISO 2411
- ISO 717-1

## PROTECTION

- Determination of the permeability of fabrics to air
- Determination of water repellency (Bundesmann)
- Determination of ease of ignition of vertically oriented specimens.
- Protective clothing - Protection against heat and flame.

- ISO 9237
- ISO 9865
- ISO 6940

## B1 Flame retardant standarts

- BS EN 533

## Soil release

- DIN 4102 B1
- AATCC 130
- AATCC 183

## UV Permeability and protection factor

## GEOLOGY

- Wide-width tensile test
- Mass per unit area of geotextiles

- ISO 10319
- ISO 9864

## MEDICAL

- Antibacterial activity
- Antimicrobial activity

- AATCC 147
- ASTM E2149

# Support Units



Quality Assurance Meeting

## Raw Quality Control Laboratory

Raw materials' fiber analysis and dimensional tests are often done.

We collect raw fabrics for 3 months.

## Tracking Services

Fabric for commission treatment can be supervised from internet. You can analyse all values after each process.

## IT

Arteks staff can access all process and office data under server and web technologies. They provide fastest data transfer in textile chain management.

## Final Quality Control Laboratory

Your orders are tested in Arteks and in accredited laboratories. Your products are setted to requested values.



Reverse Osmosis Facility for Reducing Water Usage



IT Department

# R&D



Ariteks AGV (Automated Guided Vehicle) Prototype

## R&D for Textile

Research for special dyeing methods,  
less water usage, less emission values.

## R&D for Technical Textile

Protective functions for textiles.  
Research for other industries' textile needs.

## R&D for Automation

Standardization for electronic components  
of machines.  
Robotic handling for flexible materials.

PLC,  
Frequency Converter,  
Pneumatic  
Laboratory



Ariteks gives technical support to its  
partners, in addition to its R&D.

It offers professional solutions from  
gathering informations from other  
technologies and industries.

## VAT (Pad-Dry-Pad-Steam process) Dyes

### Pad-Dry Laboratory Equipment





# Academy

## Academic educational programs

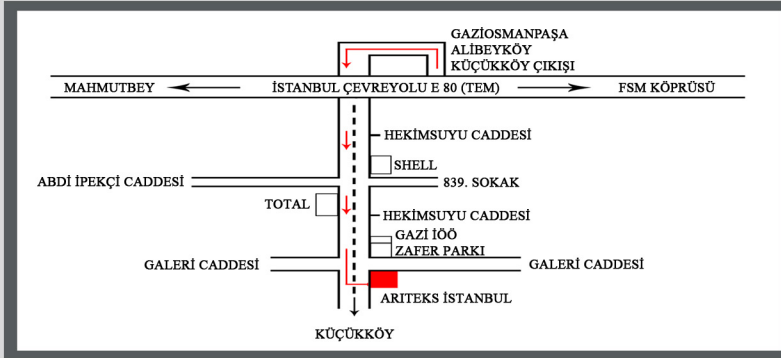
Textile educational programs

Textile support units educational programs

<b>Fiber</b>	; Production of natural and synthetics fibers
<b>Yarn</b>	; Extruding, texturising, spinning, rewinding process
<b>Weaving</b>	; Weaving machines and their process
<b>Carpet weaving</b>	; Carpet weaving machines and their process
<b>Knitting</b>	; Circular and warp knitting
<b>Nonwoven</b>	; Tufting, bonding, coating and stitch bonding process
<b>Dyeing</b>	; Batch, semi-continuous and continuous dyeing process
<b>Printing</b>	; Digital, rotary screen and filmdruck printing
<b>Finishing</b>	; Dryer, stenter, compactor machines. Coating, padding, laminating and calandring process
<b>Make-up</b>	; Plating, pressing and embroidery technologies
<b>Quality control</b>	; Statistics and test methods
<b>Process control</b>	; Supervising systems, control software, graphical analysis
<b>Automation</b>	; Totally integrated automation modelling
<b>Mechanic</b>	; Welding, gears, rollers technologies
<b>Electric</b>	; High and low voltage electrical equipments
<b>Electronic</b>	; Electronical circuits and microchips
<b>PLC</b>	; PLC programming entry level

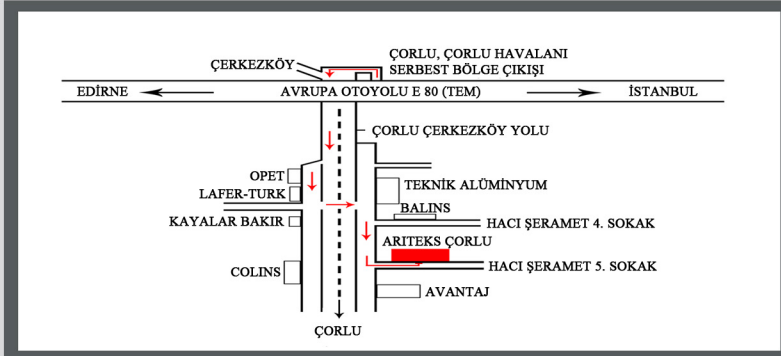


# Access Map



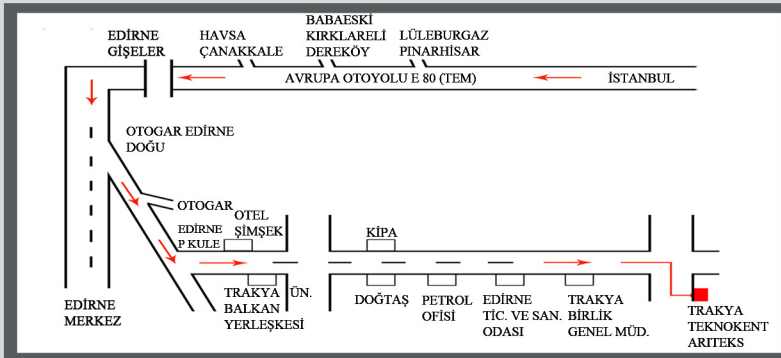
Access Map to Istanbul Facility

Address:  
38, Hekimsuyu Cad.  
34250  
Küçükköy/Gaziosmanpaşa  
Istanbul/Turkey  
Phone: +90 212 538 05 98-99  
Fax: +90 212 537 08 46



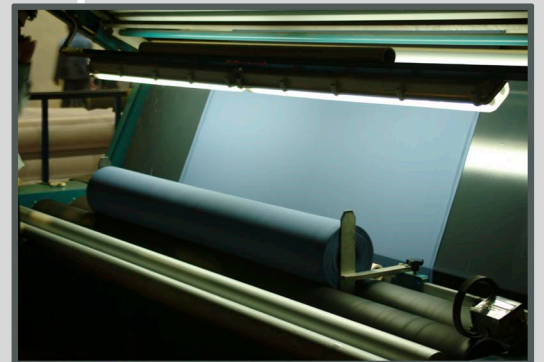
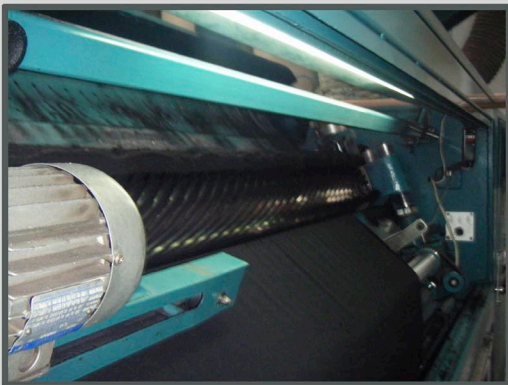
Access Map to Corlu Facility

Address:  
Hacı Şeramet 4.Sokak,  
59850  
Yulafli/Çorlu  
Tekirdağ/Turkey  
Phone: +90 282 676 46 93  
Fax: +90 282 676 46 13



Access Map to Edirne Facility

Address:  
Zubeyde Hanım Cad. No:50  
22030  
Merkez  
Edirne/Turkey  
Phone: +90 284 212 78 77  
Fax: +90 284 212 78 77



ARITEKS BOYACILIK TİCARET VE SANAYİ A.Ş.

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Web: [www.ariteks.com.tr](http://www.ariteks.com.tr)