



CATALOGUE 2026

ISRAELI MILL · SINCE 1996

ESD GARMENTS AND FABRICS. BUILT IN-HOUSE.

SINCE 1996

AN ESD MILL, FROM THE YARN UP

T.H. Yaad is an Israeli manufacturer of ESD apparel and conductive fabrics, founded in 1996. Design, knitting, weaving, cutting and sewing are in-house.

The work is a one-stop shop: custom models, fabrics, and white label. Knit and weave lines in the same mill are how a delivery date and a quality check stay in one place. Shelf colours and a wide set of models are already in the catalogue.

Quality is followed from the carbon yarn through knitting, weaving and dyeing.

SINCE

1996

LEAD TIME, BASIC & STANDARD
PRODUCTS

4-6 WEEKS

WASHES

100

CHARGE DECAY, 1000 V TO 50 V

< 2_s

CONDUCTIVE GRID

5_{MM}

IN-HOUSE KNIT & WEAVE

KNIT+WEAVE

WHERE WE DELIVER

GERMANY / NETHERLANDS / FRANCE / EASTERN EUROPE / UNITED STATES

We supply ESD distributors, electronics manufacturers, and workwear rental and industrial laundries in Germany, the Netherlands, France, Eastern Europe and the United States.

02 / THE MILL

ONE BUILDING, FROM THE YARN TO THE SEAM

Design, knitting, weaving, cutting and sewing stay in-house. That is the path, and it is why a custom model does not have to cross a supply chain.

01

DESIGN

Models are drawn with the customer. Length, sleeve, neck, pocket and contrast trim are already in the coat programme.

02

KNIT AND WEAVE

Both lines are ours. Conductive cloth and the garment cut from it share one schedule.

03

CUT AND SEW

Cutting and sewing stay in the mill.

04

YOUR LABEL

Embroidery or print. Any logo layout, colour and size. The garment can leave as your brand.

WHY DISTRIBUTORS PLACE THE WORK HERE

QUALITY

Every garment and fabric meets or exceeds IEC 61340-5-1, tested by STFI in Chemnitz, Germany. Quality is followed from the carbon yarn through knitting, weaving and dyeing.

4-6 WEEKS

LEAD TIME. 4-6 weeks for basic and standard products. Shorter than a typical Asian supply chain.

TRUSTED BY TEAMS AT

BOSCH

FLEXTRONICS

SIEMENS

01 / THE RANGE

GARMENTS THE FLOOR ACTUALLY WEARS

Five garment families and the conductive cloth they are cut from. Every garment carries composition, weight, ESD performance and wash temperature.



LAB COATS

p. 05

125-130 g/m² · 10⁵-10⁷ Ω

Woven coats in 63% polyester, 33% cotton and 4% carbon, 125-130 g/m². Many lengths, sleeves, colours and contrast trims.



T-SHIRTS

p. 09

150 g/m² · IEC 61340-5-1



POLOS

p. 11

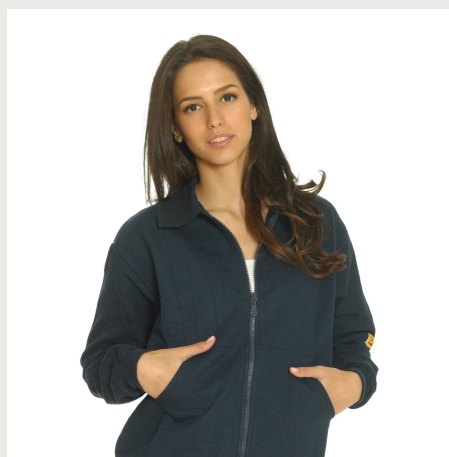
210 g/m² · IEC 61340-5-1



SWEATSHIRTS

p. 13

280 g/m² · IEC 61340-5-1



CARDIGANS

p. 14

280 g/m² · IEC 61340-5-1

CONDUCTIVE FABRICS

p. 15

Knit & woven · 125-280 g/m² · 4% carbon · 5 mm grid

IEC 61340-5-1

01

ESD LAB COATS

Woven coats in 63% polyester, 33% cotton and 4% carbon, 125–130 g/m². Many lengths, sleeves, colours and contrast trims.

125–130 g/m²

FABRIC WEIGHT

10⁵–10⁷ ΩSURFACE
RESISTANCE**60 °C**

WASH

5 mm

GRID

The lab coat is the centre of the range. It is cut in our mill from a woven cloth of 63% polyester, 33% cotton and 4% carbon conductive yarn, at 125–130 g/m², with a 5 mm conductive grid.

ESD LAB COATS

SPECIFICATION

Electrical performance: surface resistance 10^5 – $10^7 \Omega$, and charge decay from 1000 V to 50 V in under 2 seconds. The coat is specified for washing at 60 °C and for 100 washes. It meets or exceeds IEC 61340-5-1.

Lengths and sleeves follow the catalogue: half length, three-quarter length and long, with long sleeves, short sleeves or sleeveless, V-neck or round neck, pockets and contrast trims. A breast pocket carries the ESD symbol. The front closes with a hidden snap. The cut is unisex.

SPECIFICATION	
COMPOSITION	63% polyester / 33% cotton / 4% carbon
FABRIC WEIGHT	125–130 g/m ²
CONDUCTIVE YARN	4% carbon
CONDUCTIVE GRID	5 mm
SURFACE RESISTANCE	10^5 – $10^7 \Omega$
CHARGE DECAY	1000 V to 50 V in under 2 seconds
WASH TEMPERATURE	60 °C
WASH DURABILITY	100 washes
STANDARD	IEC 61340-5-1
TESTED BY	STFI, Chemnitz
FIT	Unisex

COLOURS

WHITE	LIGHT BLUE	ROYAL BLUE	GREEN	BURGUNDY
BLACK				

Catalogue colours include white, light blue, royal blue, green, burgundy and black. Further colours are made to a minimum.

Size range and size chart on request.

MOQ depends on the product, ask us.

Tested by STFI (Sächsisches Textilforschungsinstitut, Chemnitz, Germany).



CONSTRUCTION OPTIONS

- ☐ Half length
- ☐ Three-quarter length
- ☐ Long length
- ☐ Long sleeve
- ☐ Short sleeve
- ☐ Sleeveless
- ☐ V-neck
- ☐ Round neck
- ☐ Pockets
- ☐ Contrast trims
- ☐ Breast pocket with ESD symbol
- ☐ Hidden snap front

ESD LAB COATS

LENGTHS, SLEEVES AND TRIMS

Studio catalogue photographs.



ESD LAB COATS

COLOURS AND CONTRAST

Studio catalogue photographs.



DETAIL

IEC 61340-5-1

02

ESD T-SHIRTS

Cotton-rich knit, 96% cotton and 4% carbon, 150 g/m². Shelf colours white, navy, royal, black and grey.

150 g/m²

FABRIC WEIGHT

IEC 61340-5-1RESISTANCE: MEETS OR
EXCEEDS**40 °C**

WASH

5 mm

GRID

A cotton-rich ESD T-shirt for the floor: 96% cotton and 4% carbon conductive yarn, 150 g/m², knitted with a 5 mm conductive grid.



ESD T-SHIRTS



FABRIC WEIGHT

150 g/m²

96% cotton / 4% carbon

SPECIFICATION

COMPOSITION	96% cotton / 4% carbon
FABRIC WEIGHT	150 g/m ²
CONDUCTIVE YARN	4% carbon
CONDUCTIVE GRID	5 mm
SURFACE RESISTANCE	Meets or exceeds IEC 61340-5-1
CHARGE DECAY	1000 V to 50 V in under 2 seconds
WASH TEMPERATURE	40 °C
WASH DURABILITY	100 washes
STANDARD	IEC 61340-5-1
TESTED BY	STFI, Chemnitz
FIT	Unisex

Performance: surface resistance meets or exceeds IEC 61340-5-1, charge decay from 1000 V to 50 V in under 2 seconds, washing at 40 °C, 100 washes. The cut is unisex.

COLOURS

WHITE

NAVY

ROYAL

BLACK

GREY

Shelf colours: white, navy, royal, black and grey.

CONSTRUCTION OPTIONS

- Short sleeve crew neck, as shown in the studio catalogue

Size range and size chart on request.

MOQ depends on the product, ask us.

Tested by STFI (Sächsisches Textilforschungsinstitut, Chemnitz, Germany).

IEC 61340-5-1

03

ESD POLO SHIRTS

Two knits at 210 g/m²: 48/48 polyester-cotton with 4% carbon, or 96% cotton with 4% carbon. Contrast collars are in the catalogue.

210 g/m²

FABRIC WEIGHT

IEC 61340-5-1

RESISTANCE: MEETS OR EXCEEDS

40 °C

WASH

5 mm

GRID

Polos are knitted at 210 g/m² in either of two constructions: 48% polyester / 48% cotton / 4% carbon, or 96% cotton / 4% carbon. Both use a 5 mm conductive grid.

ESD POLO SHIRTS



FABRIC WEIGHT

210 g/m²TWO KNITS AT 210 G/M²**48/48/4**

48% polyester / 48% cotton / 4% carbon

TWO KNITS AT 210 G/M²**96/4**

96% cotton / 4% carbon

SPECIFICATION

COMPOSITION	48% polyester / 48% cotton / 4% carbon, or 96% cotton / 4% carbon
FABRIC WEIGHT	210 g/m ²
CONDUCTIVE YARN	4% carbon
CONDUCTIVE GRID	5 mm
SURFACE RESISTANCE	Meets or exceeds IEC 61340-5-1
CHARGE DECAY	1000 V to 50 V in under 2 seconds
WASH TEMPERATURE	40 °C
WASH DURABILITY	100 washes
STANDARD	IEC 61340-5-1
TESTED BY	STFI, Chemnitz
FIT	Unisex

Performance: surface resistance meets or exceeds IEC 61340-5-1, charge decay from 1000 V to 50 V in under 2 seconds, washing at 40 °C, 100 washes. Unisex cut.

COLOURS

WHITE

NAVY

ROYAL

BLACK

GREY

Shelf colours: white, navy, royal, black and grey. Contrast collars appear in the catalogue.

CONSTRUCTION OPTIONS

- 48/48/4 poly-cotton knit
- 96/4 cotton knit
- Contrast collar, as shown in the catalogue

Size range and size chart on request.

MOQ depends on the product, ask us.

Tested by STFI (Sächsisches Textilforschungsinstitut, Chemnitz, Germany).

IEC 61340-5-1

04

ESD SWEATSHIRTS

Mid-layer knit, 48% polyester / 48% cotton / 4% carbon, 280 g/m². Navy, royal and black.

280 g/m²

FABRIC WEIGHT

IEC 61340-5-1

RESISTANCE: MEETS OR EXCEEDS

40 °C

WASH

5 mm

GRID

Performance: surface resistance meets or exceeds IEC 61340-5-1, charge decay from 1000 V to 50 V in under 2 seconds, washing at 40 °C, 100 washes. Unisex cut.

SPECIFICATION

COMPOSITION	48% polyester / 48% cotton / 4% carbon
FABRIC WEIGHT	280 g/m ²
CONDUCTIVE YARN	4% carbon
CONDUCTIVE GRID	5 mm
SURFACE RESISTANCE	Meets or exceeds IEC 61340-5-1
CHARGE DECAY	1000 V to 50 V in under 2 seconds
WASH TEMPERATURE	40 °C
WASH DURABILITY	100 washes
STANDARD	IEC 61340-5-1
FIT	Unisex



COLOURS

NAVY

ROYAL

BLACK

Shelf colours: navy, royal and black.

Size range and size chart on request.

MOQ depends on the product, ask us.

Tested by STFI (Sächsisches Textilforschungsinstitut, Chemnitz, Germany).



IEC 61340-5-1

05

ESD CARDIGANS AND ZIP JACKETS

Same 280 g/m² knit as the sweatshirt, cut as a zip jacket. Shelf colours navy, royal and black; the catalogue also shows red.

280 g/m²

FABRIC WEIGHT

IEC 61340-5-1

RESISTANCE: MEETS OR EXCEEDS

40 °C

WASH

5 mm

GRID

Performance: surface resistance meets or exceeds IEC 61340-5-1, charge decay from 1000 V to 50 V in under 2 seconds, washing at 40 °C, 100 washes. Unisex cut.

SPECIFICATION

COMPOSITION	48% polyester / 48% cotton / 4% carbon
FABRIC WEIGHT	280 g/m ²
CONDUCTIVE YARN	4% carbon
CONDUCTIVE GRID	5 mm
SURFACE RESISTANCE	Meets or exceeds IEC 61340-5-1
CHARGE DECAY	1000 V to 50 V in under 2 seconds
WASH TEMPERATURE	40 °C
WASH DURABILITY	100 washes
STANDARD	IEC 61340-5-1
FIT	Unisex



COLOURS

NAVY

ROYAL

BLACK

RED (CATALOGUE)

Shelf colours: navy, royal and black. A red zip jacket is in the studio catalogue.

Size range and size chart on request.

MOQ depends on the product, ask us.

Tested by STFI (Sächsisches Textilforschungsinstitut, Chemnitz, Germany).

03 / CLOTH

CONDUCTIVE FABRICS, 4% CARBON, 5 MM GRID

Three blends: 63/33 polyester-cotton, 48/48 polyester-cotton, and 96% cotton, each with 4% carbon. Weights run from 125 to 280 g/m².

4%

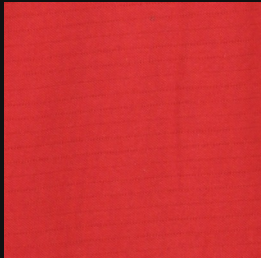
CARBON CONDUCTIVE YARN

5 mm

CONDUCTIVE GRID

125–280 g/m²

FABRIC WEIGHTS



ESD KNIT FABRICS

Knits for T-shirts, polos, sweatshirts and cardigans, plus knit fabric sold by the metre. 4% carbon, a 5 mm grid, wash at 40 °C.

Three garment knits: 96/4 at 150 g/m² for T-shirts, 48/48/4 or 96/4 at 210 g/m² for polos, and 48/48/4 at 280 g/m² for sweatshirts and cardigans. Surface resistance meets or exceeds IEC 61340-5-1. Wash 40 °C, 100 washes.



ESD WOVEN FABRIC

One woven construction: 63% polyester, 33% cotton, 4% carbon, 125–130 g/m², the cloth the lab coats are cut from.

5 mm grid. Surface resistance 10⁵–10⁷ Ω. Wash 60 °C, 100 washes. Charge decay from 1000 V to 50 V in under 2 seconds. IEC 61340-5-1.



SOLD BY THE METRE

Knit sold by the metre: 4% carbon yarn, a 5 mm grid, wash at 40 °C, charge decay under 2 seconds, IEC 61340-5-1.

MOQ depends on the product, ask us.

Piece-goods weight on request.

03 / CLOTH

FABRIC FINDER

MOQ depends on the product, ask us.

WOVEN

125-130 g/m²

WOVEN 63/33/4

63% polyester / 33% cotton / 4% carbon

GRID	5 mm
SURFACE RESISTANCE	10 ⁵ -10 ⁷ Ω
WASH	60 °C · 100 washes
USED FOR	ESD lab coats and woven fabric programmes
COLOURS	All colours, subject to a minimum order.

KNIT

150 g/m²

KNIT 96/4 COTTON

96% cotton / 4% carbon

GRID	5 mm
SURFACE RESISTANCE	Meets or exceeds IEC 61340-5-1
WASH	40 °C · 100 washes
USED FOR	ESD T-shirts
COLOURS	White, navy, royal, black, grey.

KNIT

210 g/m²

KNIT 48/48/4

48% polyester / 48% cotton / 4% carbon

GRID	5 mm
SURFACE RESISTANCE	Meets or exceeds IEC 61340-5-1
WASH	40 °C · 100 washes
USED FOR	ESD polo shirts
COLOURS	White, navy, royal, black, grey.

KNIT

210 g/m²

KNIT 96/4 COTTON

96% cotton / 4% carbon

GRID	5 mm
SURFACE RESISTANCE	Meets or exceeds IEC 61340-5-1
WASH	40 °C · 100 washes
USED FOR	ESD polo shirts, cotton-rich option
COLOURS	White, navy, royal, black, grey.

KNIT

280 g/m²

KNIT 48/48/4

48% polyester / 48% cotton / 4% carbon

GRID	5 mm
SURFACE RESISTANCE	Meets or exceeds IEC 61340-5-1
WASH	40 °C · 100 washes
USED FOR	ESD sweatshirts, cardigans and zip jackets
COLOURS	Navy, royal, black.

KNIT

On request

KNIT FABRIC, PIECE GOODS

Knit fabric by the metre, 4% carbon yarn

GRID	5 mm
SURFACE RESISTANCE	Meets or exceeds IEC 61340-5-1
WASH	40 °C · 100 washes
USED FOR	Fabric programmes sold by the metre
COLOURS	All colours, subject to a minimum order.

YOUR BRAND, OUR MILL

PRIVATE LABEL, FROM THE YARN TO YOUR NAME

Distributors and garment programmes put their own name on models we design, knit or weave, cut and sew. Embroidery, printing, and the layout, colour and size of the logo are part of the work.

01

YARN

Conductive carbon yarn is where the cloth starts. Quality is followed from that yarn through knitting and weaving.

02

KNIT AND WEAVE

Both lines are in the mill. A custom fabric and a custom garment can stay on one schedule.

03

CUT AND SEW

Cutting and sewing are in-house, so a model drawn with you does not leave the building to be made.

04

YOUR LABEL

Embroidery or printing. Any logo layout, colour and size. The garment leaves as your brand.

CUSTOM MODELS

Models are co-designed with the customer. Coat length, sleeve, neckline, pockets and contrast trim are the variables we already build. Tell us the wearer, the EPA and who will wash the garment.

CUSTOM FABRICS

Start from a knit or woven construction already in the range, or ask us to develop a cloth for the programme. Development lead time is agreed per project.

MINIMUMS

MOQ depends on the product, ask us. That covers shelf colours and custom colours, for catalogue lines and for private label.

LEAD TIME

4-6 weeks for basic and standard products. Shorter than a typical Asian supply chain, which is why distributors place the work here.

4-6 WEEKS

THE STANDARD

QUALITY, HELD TO IEC 61340-5-1

Every garment and fabric in this catalogue meets or exceeds IEC 61340-5-1.

IEC 61340-5-1

IEC 61340-5-1 is the International Electrotechnical Commission standard for protecting electronic devices from electrostatic phenomena. An ESD control programme is built on it. Garments worn in an ESD protected area are part of that programme.

Products meet or exceed this standard. They are tested by STFI, the Sächsisches Textilforschungsinstitut in Chemnitz, Germany. Surface resistance, charge decay, the carbon grid and the wash figures on each product are the performance we state.

TESTED BY STFI

STFI

Sächsisches Textilforschungsinstitut, Chemnitz,
Germany.

40 °C

KNITS: T-SHIRTS, POLOS,
SWEATSHIRTS, CARDIGANS

60 °C

WOVEN LAB COATS AND
WOVEN FABRIC

100

WASHES, STATED FOR BOTH

WASH DURABILITY

Knitted T-shirts, polos, sweatshirts and cardigans are washed at 40 °C. Woven lab coats and the woven fabric are washed at 60 °C. Both are stated for 100 washes.

SPECIFICATION OVERVIEW

GARMENT	COMPOSITION	WEIGHT	SURFACE RESISTANCE	WASH
LAB COATS	63% polyester / 33% cotton / 4% carbon	125-130 g/m ²	10 ⁵ -10 ⁷ Ω	60 °C · 100
T-SHIRTS	96% cotton / 4% carbon	150 g/m ²	Meets or exceeds IEC 61340-5-1	40 °C · 100
POLOS	48% polyester / 48% cotton / 4% carbon, or 96% cotton / 4% carbon	210 g/m ²	Meets or exceeds IEC 61340-5-1	40 °C · 100
SWEATSHIRTS	48% polyester / 48% cotton / 4% carbon	280 g/m ²	Meets or exceeds IEC 61340-5-1	40 °C · 100
CARDIGANS	48% polyester / 48% cotton / 4% carbon	280 g/m ²	Meets or exceeds IEC 61340-5-1	40 °C · 100

DOCUMENTS FOR YOUR PROGRAMME

Performance is stated against IEC 61340-5-1. If your programme needs a test report, ask and we will send what we hold.

04 / WHO BUYS

THREE BUYERS, THREE CONVERSATIONS

01

THE BUYER WE BUILD FOR

ESD DISTRIBUTORS

The distributor is the customer this mill is set up to serve. Shelf garments, custom models, custom fabrics, and private label with your embroidery or print.

You keep the customer. We make the garment.

WHAT TO SEND WITH THE ENQUIRY

- Brand guidelines or a logo file
- Quantities, colours and whether you need a size run
- Destination market
- Finished garments, fabric only, or both
- Any model you want changed: length, sleeve, neck, pocket, trim

02

EPA FLOORS

ELECTRONICS MANUFACTURING

Lab coats, polos, T-shirts and mid-layers for people working in an ESD protected area.

Send the floor's dress code, who washes the garment, and the colours already in use.

USEFUL ON THE ENQUIRY

- Which garments the floor wears today
- In-house laundry or a rental partner
- Colours and contrast rules
- Whether you buy direct or through a distributor

03

REPEATED WASHING

WORKWEAR RENTAL AND INDUSTRIAL LAUNDRIES

Garments specified for repeated washing, for rental programmes that need a mill behind the cloth.

Knitted garments are specified at 40 °C, woven lab coats at 60 °C. Durability is 100 washes. Private label covers embroidery and printing.

WHAT A LAUNDRY ENQUIRY SHOULD INCLUDE

- Wash temperature and process you actually run
- Turnaround you promise your wearer
- Whose label goes on the garment
- Estimated pieces per style and colour

HOW TO ORDER

01

You describe the programme, or the samples you want.

02

We reply by email to the address you gave.

03

We confirm the request, then arrange the samples.

04

Basic and standard products: 4-6 weeks.

Free samples: say which garments or fabrics you want to evaluate, and where to send them. Shipping is confirmed when we reply. MOQ depends on the product, ask us.

REQUEST A QUOTE · FREE SAMPLES

SEND THE PROGRAMME.

Garments, fabric, or a private label. We reply by email.

EMAIL

sshapira@thyaad.com

PHONE

+972-52-578-5266

WEB

www.thyaad.com

ADDRESS

Har Zion Blvd 108, Tel Aviv, Israel

MANUFACTURED IN ISRAEL.

ESD apparel and conductive fabrics, designed, knitted, woven, cut and sewn in-house since 1996.

PERFORMANCE MEETS OR EXCEEDS IEC 61340-5-1.

TESTED BY STFI (SÄCHSISCHES TEXTILFORSCHUNGSMUSEUM,
CHEMNITZ, GERMANY).