



# TW2 INDUSTRIES (T2W): ENGINEERED EXCELLENCE SINCE 2016

TW2 Industries, a premier manufacturer in Sialkot, Pakistan, combines traditional craftsmanship with cutting-edge technical innovation. Our engineers harness computational precision and data-driven finite element analysis (FEA) to redefine martial arts and boxing equipment. We don't just create gear; we build data-supported performance prioritized for technical peak performance and technical safety.

By blending this legacy of skill with material science breakthroughs and FEA modeling, we provide athletes globally with technically safe, durable, and innovative equipment created to maximize victory. From traditional weaves to advanced impact composites, every product is a testament to technical precision.

Our mission is to empower practitioners on the international stage with technical mastery.  
Master your craft with TW2.

**TW2 INDUSTRIES: TECHNICAL PRECISION FOR PEAK PERFORMANCE**



- CORE COMPETENCIES**
- FEA-ENGINEERED EQUIPMENT
- ADVANCED IMPACT COMPOSITES

- GLOBAL REACH**
- TECHNICAL CERTIFICATIONS
- BATA-DRIVEN R&D
- TECHNICAL SAFETY ASSURANCE



# Company Profile



## TW2 Industries

TW2 Industries is a leading manufacturer of elite combat gear apparel, specializing in high-quality Boxing, MMA, and Martial Arts protection. Our diverse range extends to premium fitness wear, winterwear, and specialized masonic accessories, crafted for durability and peak performance.

# Our Leadership's Vision

## ARMAAN ALI MUGHAL

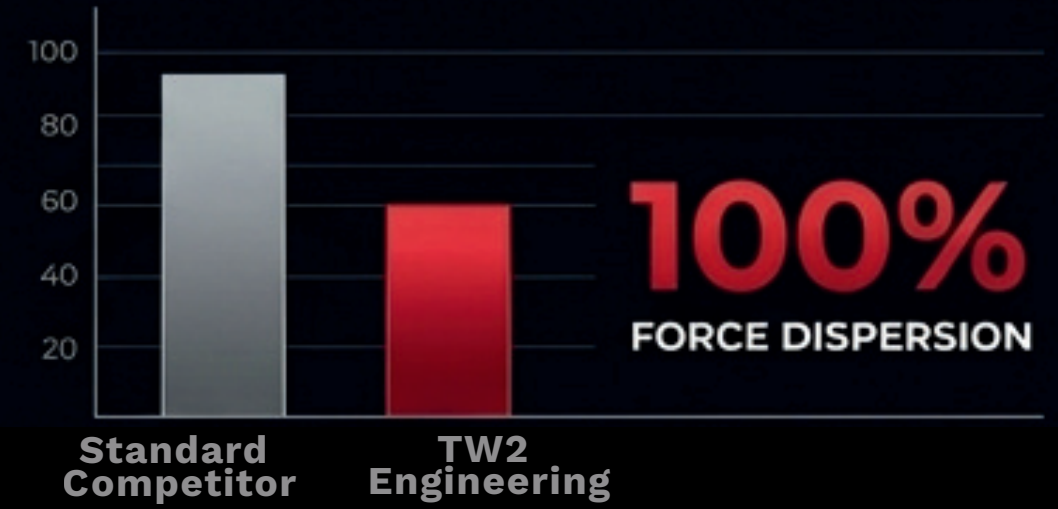
M.sc IT M.BA EXECUTIVE  
FOUNDER/CEO



At TW2 Industries, we are not just building combat equipment; we are engineering trust. By combining Sialkot's unparalleled craftsmanship with modern technology, we are taking this technical superiority to the international stage. Every piece of equipment is crafted to meet and exceed global standards, empowering athletes with the technical confidence they need to achieve victory. This commitment to technical peak performance and technical safety is, and will always be, the cornerstone of TW2 Industries.



### ENGINEERING THE FIGHT: FORCE DYNAMICS & IMPACT MITIGATION.



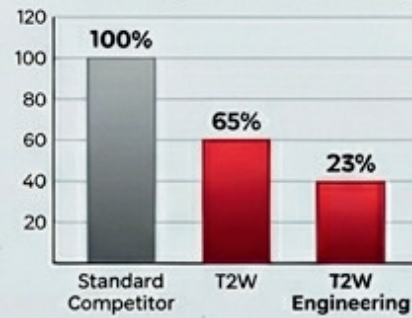
Our multi-layered technical polymer core is computationally engineered to reduce peak impact force. We use finite element analysis (FEA) to maximize energy absorption and minimize stress on the user, ensuring elite global standards for durable, peak performance gear

# TW2 TECHNICAL VISION & ENGINEERING



**TW2 INDUSTRIES**

Force Dispersion Efficiency



FEA Simulation	Material Properties	Vector Angles	Sustainable Tech	
FSA Simulation	CompuTations	75.0°	\$100	\$4000
FSA Kinnuletien	Baldion Anolirp	75.0°	\$500	\$4000
144 Samjlobon	Oodion Audiero	76.0°	\$200	\$4000
ES.6 Cturgousclotation	Badsion Aretiero	79.4°	\$100	\$3000
FSA Kinnparation	Bedion Aredine	79.0°	\$100	\$9500
FSA Cortuulation	Gadion Andine	78.4°	\$400	\$3000
FCA Cenopouatation	Sadion Anolite	20.0°	\$200	\$5000
FSA Bismaltcation	Bopien Anolite	39.0°	\$400	\$3000
FSA Guracton.	Dedion Anolite	86.0°	\$400	\$3000
FSA Annlyak	Gedion Kreative	65.0°	\$400	\$0000
FCA Arestly	Dedion Anolite	86.0°	\$300	\$3000
T7W Compotathoon	Sotunsteien	86.4°	\$200	\$3000
FEA Sorabns	Séncortation	86.0°	\$400	\$0000



Detailed Knuckle Padding

Red-Patterned Stitching

Ventilation Mesh View

Technical Wrist Support



FEA Computational Modeling Zone

FEA Simulation	Material Properties	Vector Angles	Sustainable Tech	
T200000	0.590			
T200000	66500			
T200000	65500			
T200000	55000			
T200000	0.0000			
T200000	6.0000			
T800000	0.0000			
T200000	0.590			
T200000	0.7000			
T200000	0.0000			
T200000	0.0000			
T560000	0.0000			
T200000	0.0000	0.0000	200°	
T200000	0.0000	0.0000	180°	92000
T200000	0.300	0.5000	180°	3000
FEA Simulation/ent	0.00	0.0000	120°	5000
Sustainable	0.00	0.0000	720°	5000

## Our Vision

To become a global benchmark in technical sportswear by merging Sialkot's legendary craftsmanship with cutting-edge computational engineering. We envision a future where every athlete is empowered by gear that offers uncompromising safety, elite performance, and ethical excellence

### 01. Engineering the Future

Forging the Global Standard of Technical Sportswear through Precision Engineering, Uniting Sialkot's Heritage with Computational Innovation to Empower Athletes, and Defining the Future of Elite Performance and Uncompromising Safety Worldwide.

### 02. Performance & Integrity

Where Sialkot's Traditional Craft Meets Computational Excellence in Sportswear Engineering, Blending Decades of Manufacturing Heritage with Data-Driven Material Innovation, To Deliver Unmatched Technical Protection and High-Performance Gear for Global Athletes."

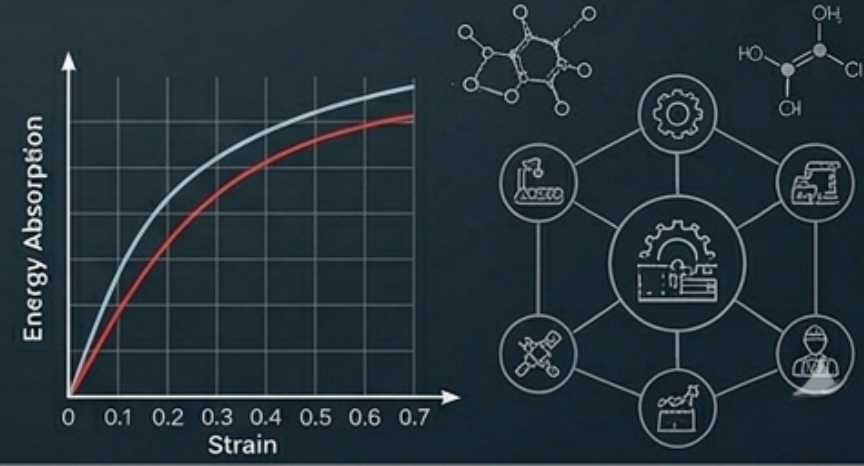
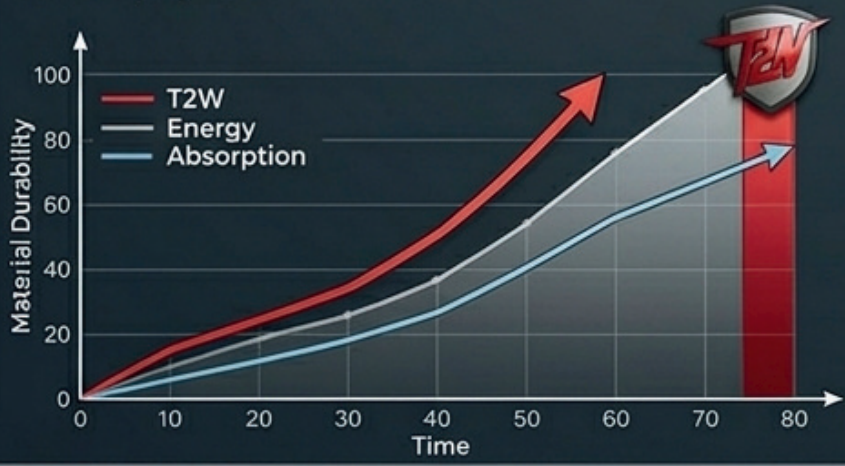
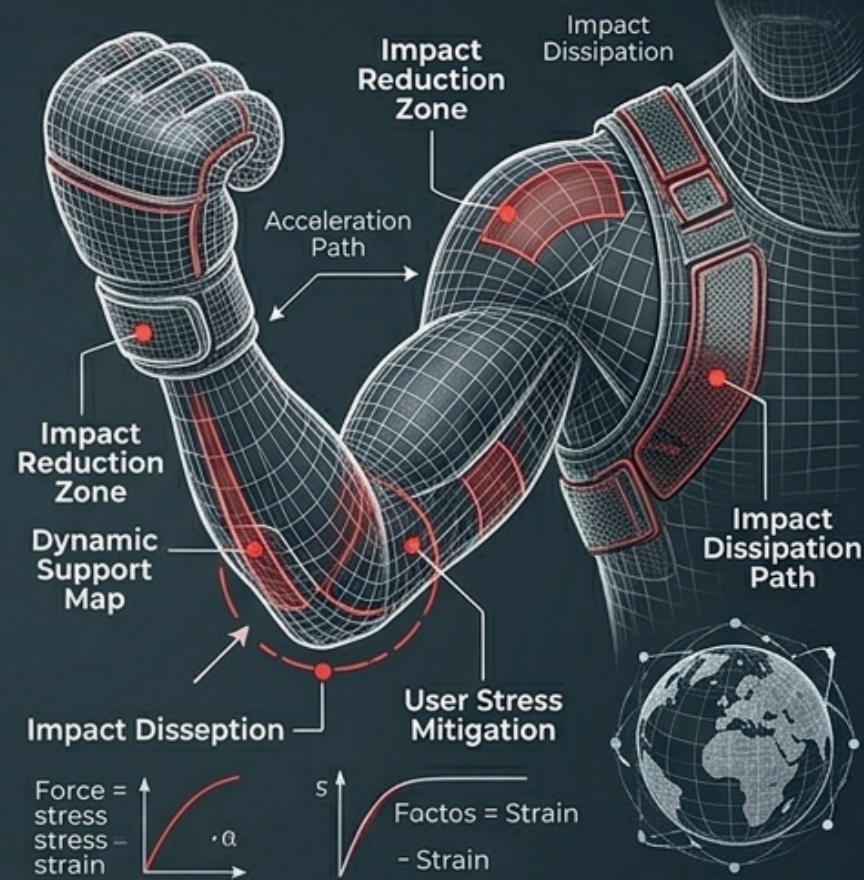
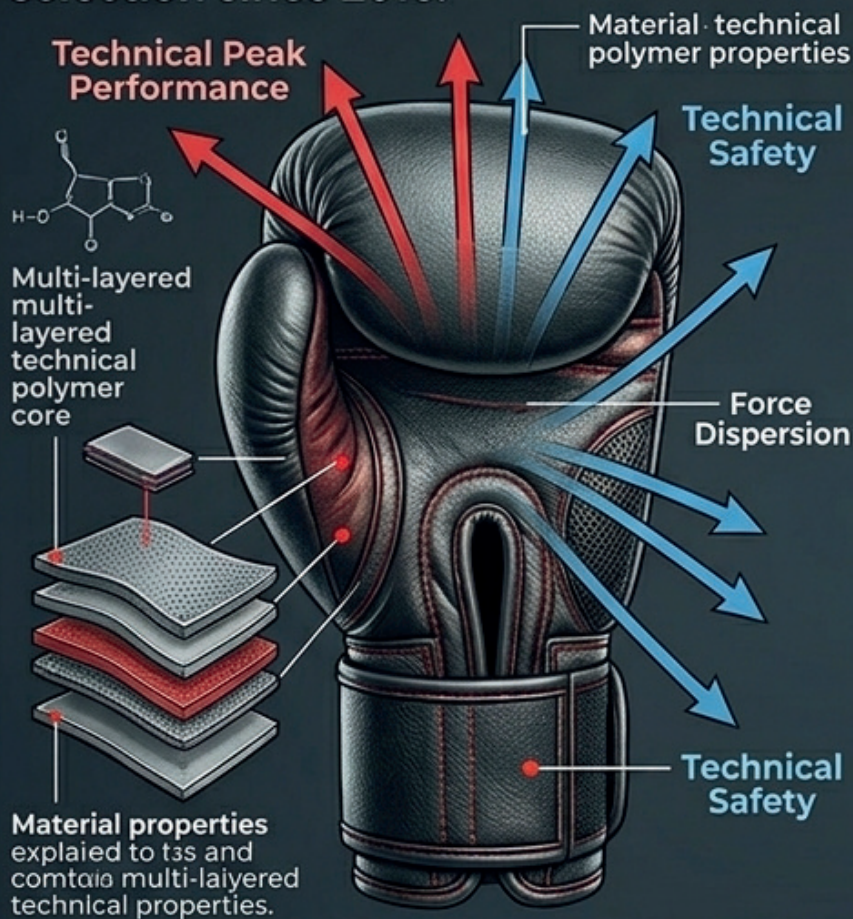
# OUR MISSION



Sl	Force x Acceleration	Material	Eqn/Sec	Vel/Sec	Foot Dept	Test
11	15000	0.8000	150"	200"	200"	3000
22	80000	0.5000	150"	200"	200"	3000
12	80000	2.0000	150"	200"	300"	3000
25	30000	0.0000	150"	200"	300"	3000
25	15000	0.0000	120"	250"	200"	3000

To prioritize technical peak performance and technical safety through computational engineering and sustainable material selection since 2016.

Empowering athletes globally with the most innovative, technically safe, and durable equipment to conquer new limits and ensure victory.



At TW2 Industries, our mission is to redefine the global standards of combat gear by integrating high-performance engineering with social empowerment. Led by our CEO, Armaan Ali Mughal, we are committed to a three-fold purpose: Precision Manufacturing, Social Welfare, and Technological Advancement."

## Present Goals (Technical & Ethical Excellence)

- **Superior Craftsmanship:** To deliver elite-level protection through computational engineering (FEA) and Sialkot's legendary manufacturing heritage.
- **Community Uplift:** To support the Free Life Welfare Foundation by ensuring our business growth directly contributes to healthcare and social support in our community.
- **Skill Development:** To bridge the gap between traditional labor and modern technology by integrating graduates of The Smart Project into our specialized IT and design workflows.

## Future Goals (Global Impact & Innovation)

- **International Leadership:** To establish TW2 Industries as a top-tier global brand known for technical superiority and ethical manufacturing standards.
- **Digital Transformation:** To revolutionize the sportswear industry by using advanced IT solutions for supply chain transparency and product customization.
- **Sustainable Legacy:** To create a sustainable business model where every product sold contributes to free IT education and social welfare, ensuring that the victory of an athlete is also a victory for the community.

# T2W Boxing Equipment: Technical Precision for Peak Performance



**TW2 INDUSTRIES**  
SIALKOT • PAKISTAN



Boxing Gloves



Bag Gloves / Mitts



Thai Shorts



Boxing Trousers



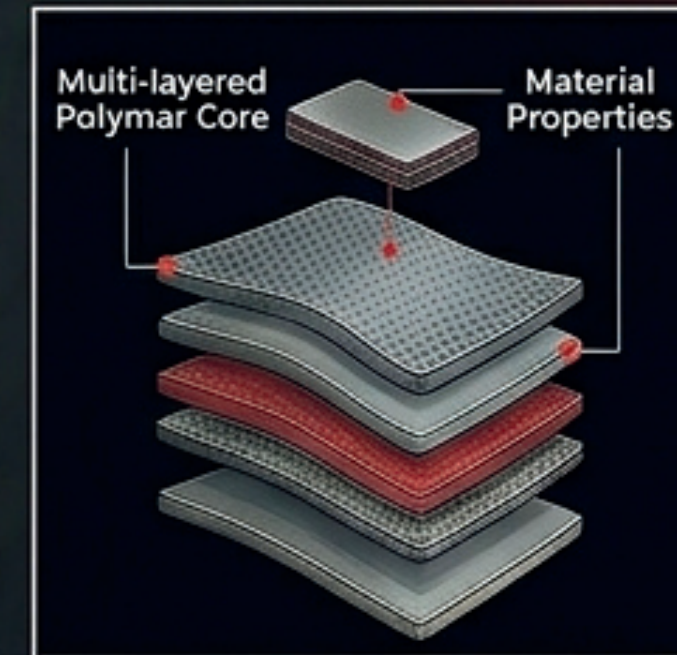
Boxing Gowns



Force Dispersion System



Aesthetic-Tech Palm



Multi-layered Polymer Core



FEA Modeling Glove

From elite Boxing Gloves and precision Bag Mitts to professional Thai Shorts and Trousers, our gear is engineered for peak performance. Our specialized Boxing Gowns and protective Rib guards combine Sialkot's traditional craftsmanship with advanced technical safety since 2016. Every piece is designed with high-quality materials to empower athletes globally with uncompromising durability and elite-level comfort."

# T2W Protection Equipment: Technical Precision for Peak Performance



**TW2 INDUSTRIES**  
SIALKOT • PAKISTAN

## CHEST PROTECTION



**Chest Protection**

## HEAD GUARD



**Head Guard**

## SHIN-IN-STEPS & PADS

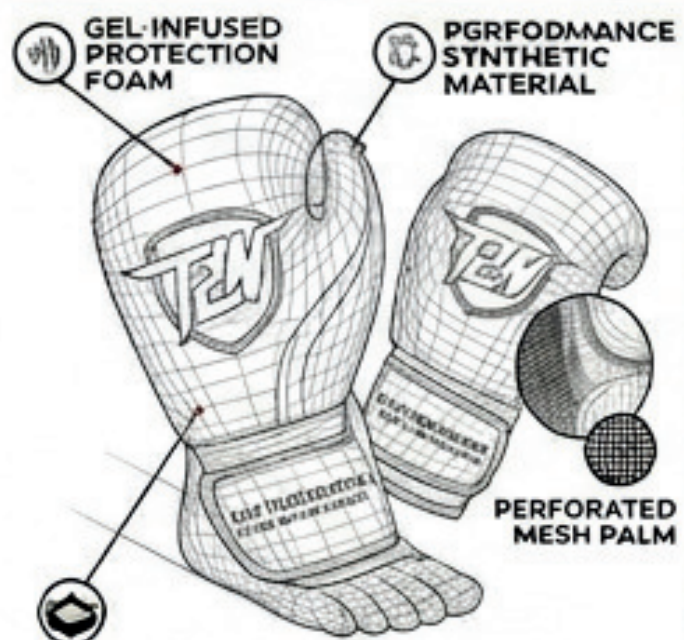


**Shin-in-Steps & Pads**

## KARATE SHOES



**Karate Shoes**



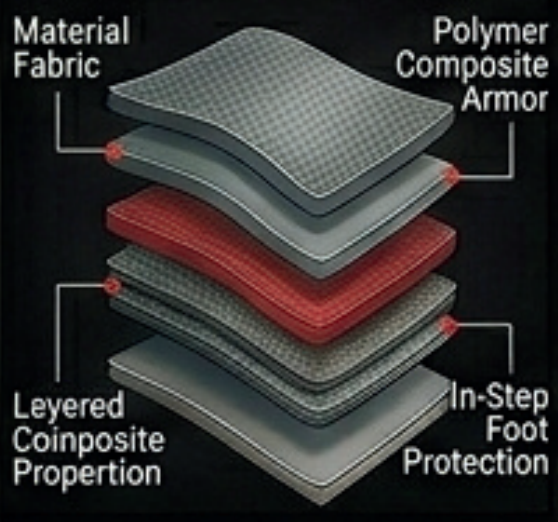
**FUTURE ADVANCED FOOT PROTECTION Blueprints**

## IMPACT DISPERSION SCHEMATIC



**IMPACT DISPERSION SCHEMATIC (CHEST GUARD)**

## MATERIALS SCIENCE ANALYSIS (SHIN GUARD PADDING)



**MATERIALS SCIENCE ANALYSIS (SHIN GUARD PADDING)**

## ERGO-VENTILATION SCHEMATIC



**ERGO-VENTILATION SCHEMATIC (HEAD GUARD)**

## T2W MATERIAL SCIENCE LAB DATA



**SOLE GRIP & FLEX SCHEMATIC (KARATE SHOE)**



**FEA Modeling Glove**

T2W Protection Equipment is engineered for uncompromising safety and peak athletic performance, integrating Sialkot's legacy of craftsmanship with data-driven finite element analysis (FEA) and computational engineering. Designed for Chest, Head, Shin, and Foot protection, our technical composites and multi-layered polymer cores prioritize dynamic impact reduction, ergonomic comfort, and ethical material sourcing for the professional athlete. Since 2016, our mission has been to provide technically safe, durable, and innovative protection, empowering victory on the international stage with elite confidence.

# T2W Martial Arts Equipment: Technical Precision for Peak Performance



Jiu Jitsu Uniform



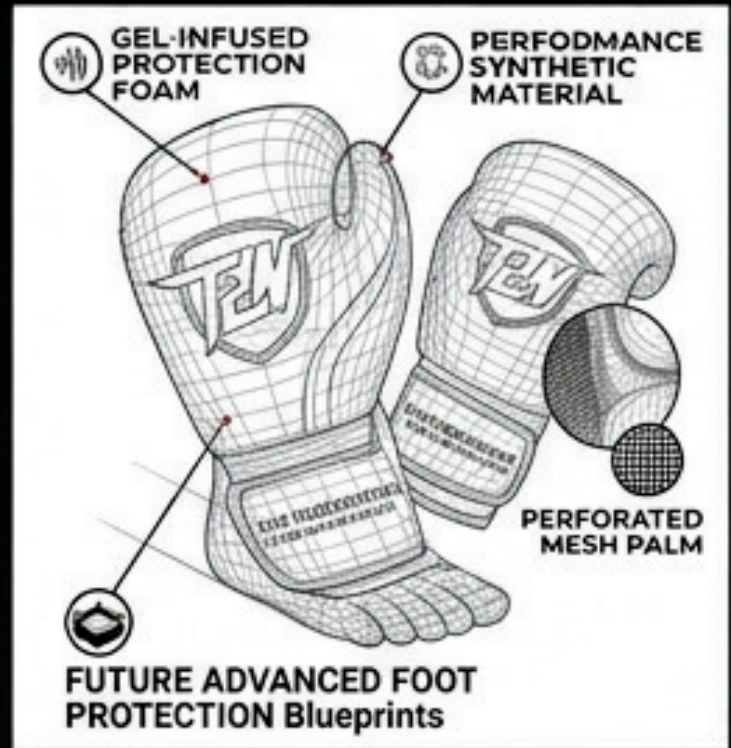
Judo Uniform



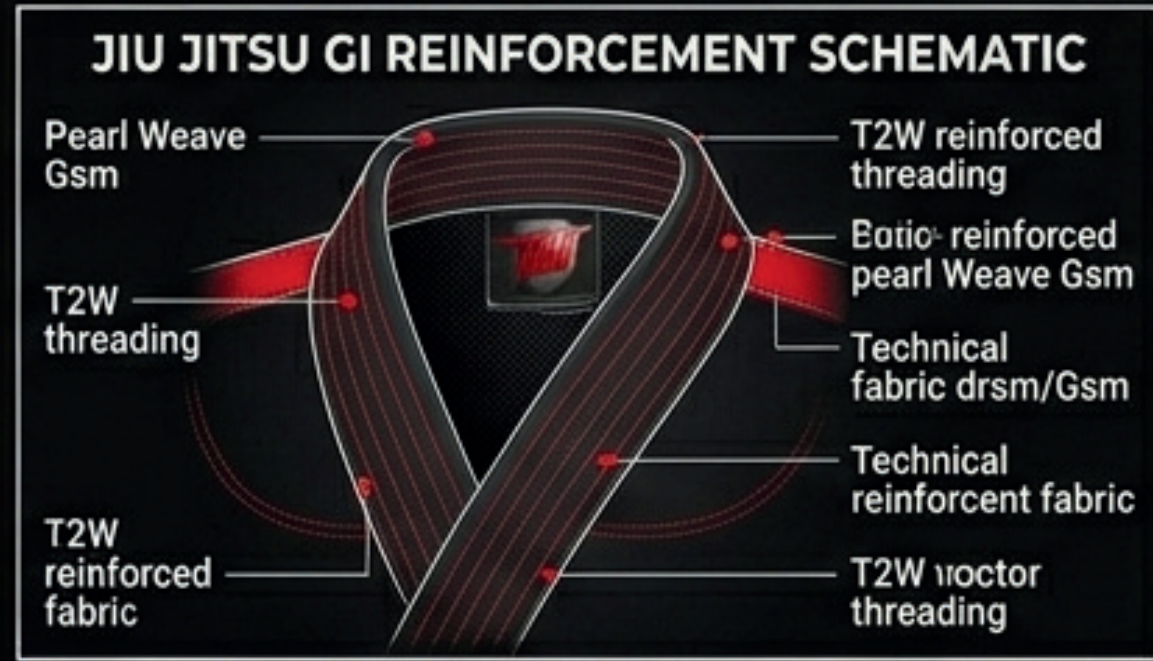
Karate Uniform



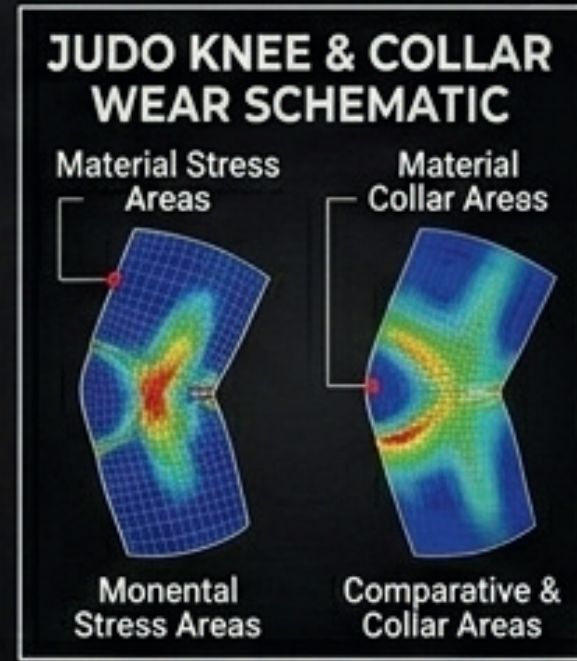
Kungfu Uniform



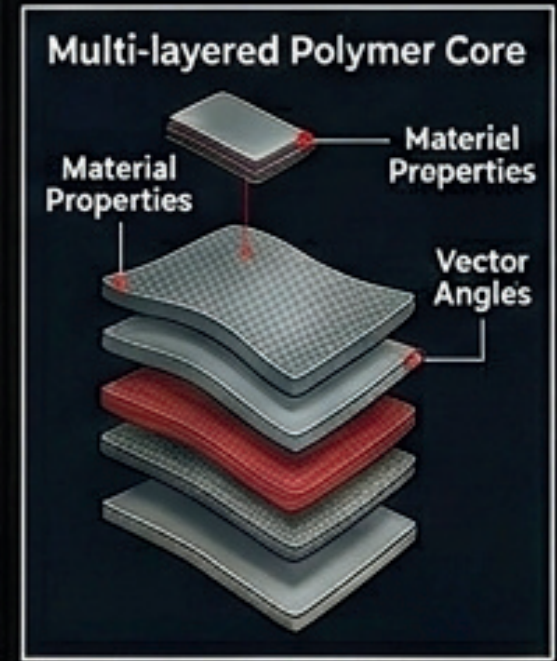
FUTURE ADVANCED FOOT PROTECTION Blueprints



JIU JITSU GI REINFORCEMENT SCHEMATIC



JUDO KNEE & COLLAR WEAR SCHEMATIC



Multi-layered Polymer Core



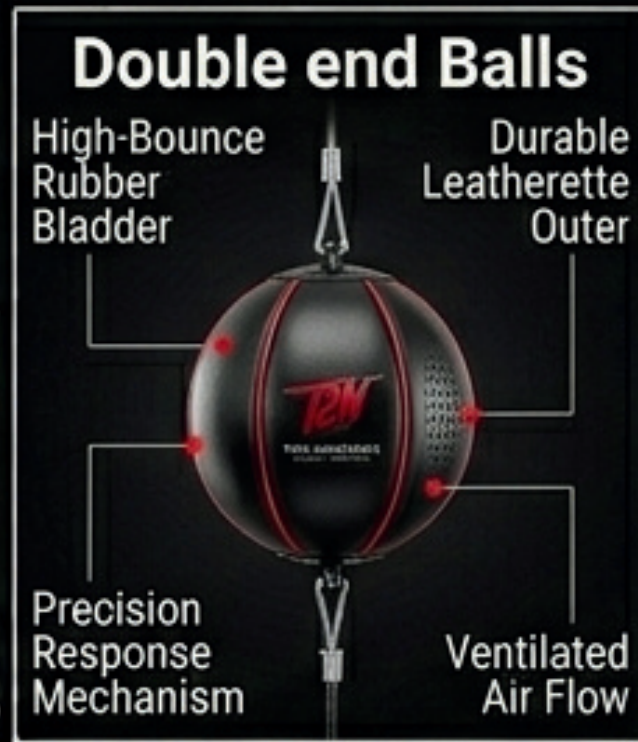
FEA Modeling Glove

Our Martial Arts and Boxing equipment, engineered with computational precision and sustainable technology since 2016, prioritizes technical peak performance and technical safety. By combining traditional craftsmanship from Sialkot with data-driven material innovation, including finite element analysis (FEA), we provide athletes globally with the most technically safe, durable, and innovative equipment to maximize victory

# T2W Boxing and Training Equipment: Technical Precision for Peak Performance



**TW2 INDUSTRIES**  
SIALKOT • PAKISTAN



**Double End Ball**



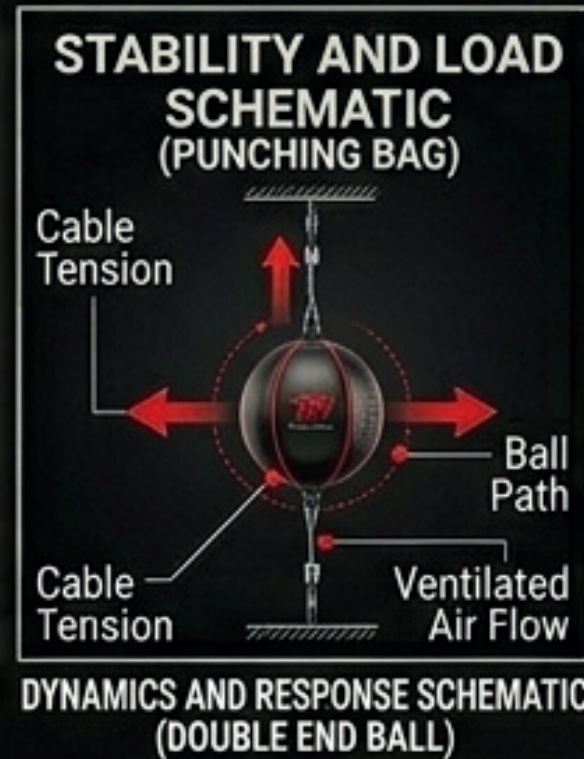
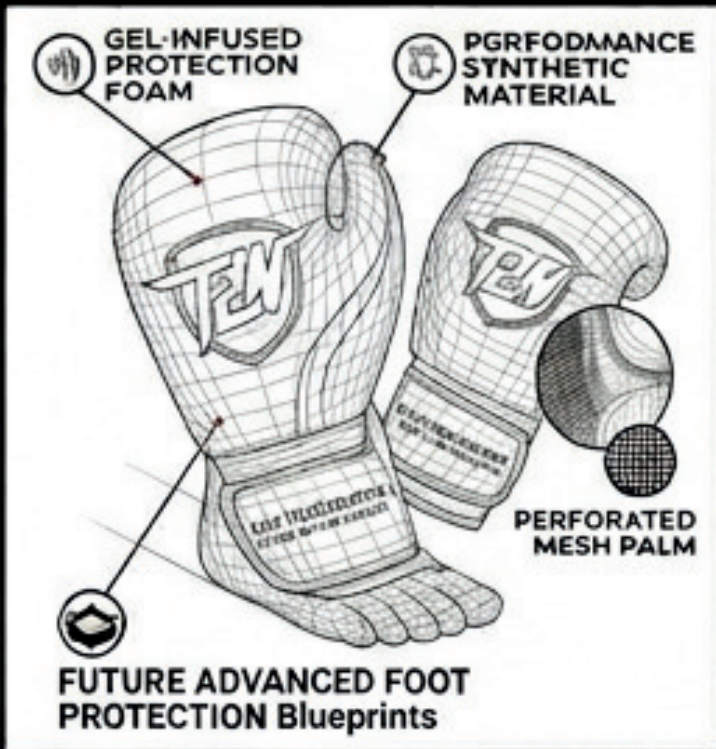
**Punching Bag**



**Kicking Shield**



**Focus Pads / Mitts**



T2W Boxing and Training Equipment is engineered for uncompromising safety and peak athletic performance, integrating Sialkot's legacy of craftsmanship with data-driven finite element analysis (FEA) and computational reaction kinetics. Designed for Focus Pads, Kicking Shields, Punching Bags, Groin Guards, and Double End Balls, our technical composites and multi-layered polymer cores prioritize dynamic impact reduction, ergonomic comfort, and ethical material sourcing for the professional athlete. Since 2016, our mission has been to provide technically safe, durable, and innovative training solutions, empowering victory on the international stage with elite confidence and precise skill development.

# T2W MMA Equipment: Technical Precision for Hybrid Performance



**TW2 INDUSTRIES**  
SIALKOT • PAKISTAN



**Grappling Gloves**



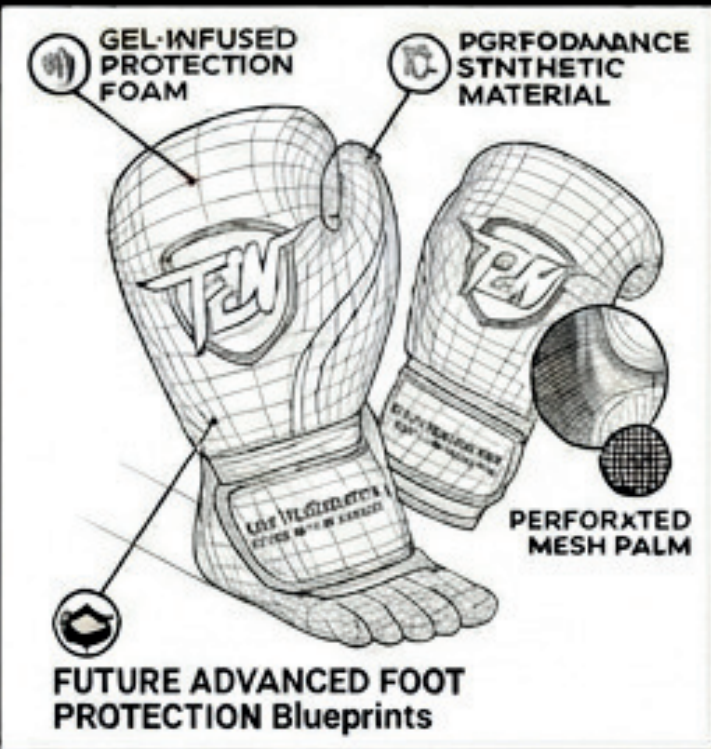
**MMA Shorts**



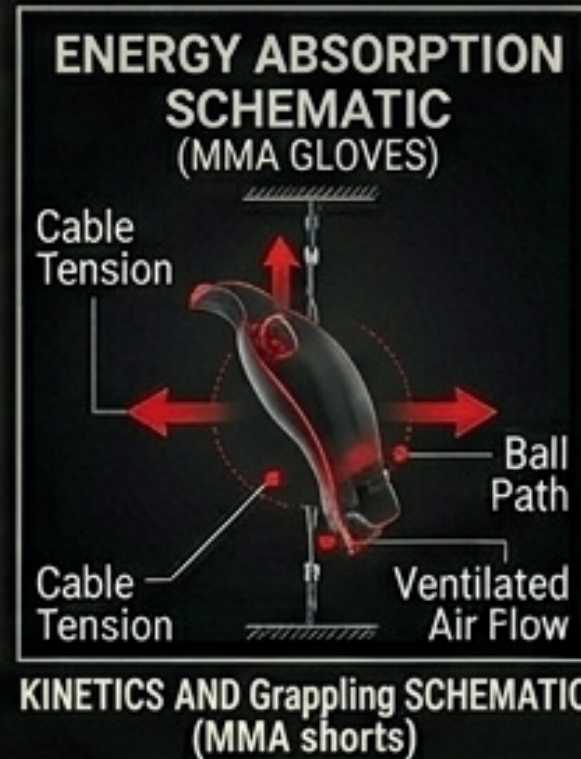
**MMA Leggings**



**Rash Guard**



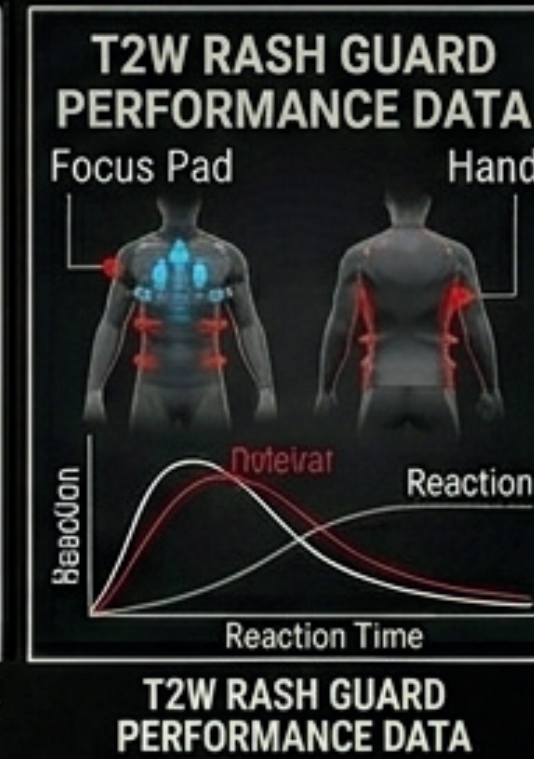
**KINETICS AND Grappling SCHEMATIC (MMA shorts)**



**KINETICS AND Grappling SCHEMATIC (MMA shorts)**



**ENERGY ABSORPTION SCHEMATIC (MMA GLOVES)**



**T2W RASH GUARD PERFORMANCE DATA**



**FEA Modeling Glove**

T2W MMA Equipment is engineered for uncompromising performance and hybrid grappling safety, integrating Sialkot's legacy of craftsmanship with data-driven finite element analysis (FEA) and computational multi-planar movement kinetics. Designed for Grappling Gloves, Shorts, Leggings, and Rash Guards, our technical fabrics and segmented protective foam cores prioritize dynamic impact reduction, ergonomic comfort, muscle compression, and ethical material sourcing for the professional athlete. Since 2016, our mission has been to provide technically safe, durable, and innovative MMA solutions, empowering hybrid victory on the international stage with elite confidence and technical mastery.

# T2W APPAREL: TECHNICAL ENGINEERING FOR PERFORMANCE & STYLE



**TW2 INDUSTRIES**  
SIALKOT • PAKISTAN

**MEN'S HOODIES**

PREMIUM BRUSHED FLEECE      ADJUSTABLE DRAWSTRING HOOD

KANGAROO POCKET      TECHNICAL PRINTING

**MEN'S HOODIES**

**TRACK SUITS**

STRETCH TECHNICAL FABRIC      AESTHETIC-TECH LOGO

REINFORCED SEAMS      SECURE ZIP POCKETS

AEST-TECH LOGO

**TRACK SUITS**

**POLO SHIRTS**

MOISTURE-WICKING PIQUE      TECHNICAL COLLAR & PLACKET

T2N INITIAL EMBROIDERED

VENTILATED DESIGN      PERRINICAL FABRIC

**MEN'S TANK TOPS**

**T-SHIRTS**

PERFORMANCE SYNTHETIC BLEND      TECHNICAL PRINTING

ERGO-VENT MESH ZONES      REFLECTIVE ACCENTS

**WOMEN'S TANK TOP / SLEEVELESS TOPS**

**HEAVYWEIGHT COTTON BLEND**      **SCHEMATIC (APPAREL)**

Material Properties      Breathable technical fabric

Energy Dispersal      T2N INITIAL GROMMET

**SWEAT SHIRTS**

**FITNESS BRA**

HIGH-SUPPORT COMPRESSION      INTEGRATED PADDING

MOISTURE-WICKING ZONES      ERGO-VENT MESH

**FABRIC & WEAVE SCHEMATIC (APPAREL)**

**MOISTURE-WICKING SCHEMATIC**

Ventilation Mesh

Wicking Rate      Wicking Rate

Ventilation Mesh

**MOISTURE-WICKING DATA & ERGO-VENT SCHEMATIC**

**KINETICS & Grappling SCHEMATIC (REPURPOSED)**

Elasticated waistband      Reinforced stitching

Ergonomic seam lines

**KINETICS & Grappling SCHEMATIC (REPURPOSED)**

**T2W RASH GUARD PERFORMANCE DATA**

Focus Pad      Hand

Reaction Time      Reaction

**T2W RASH GUARD PERFORMANCE DATA**

**FEA MODELING APPAREL CONCEPT**

Technical Woiermore      Advanced Foot Protection

**FEA MODELING APPAREL CONCEPT**

T2W Apparel is engineered for uncompromising performance and dynamic style, integrating Sialkot's legacy of craftsmanship with data-driven finite element analysis (FEA) and computational kinetic modeling. Designed for Hoodies, Tracksuits, Sweatshirts, Polo Shirts, T-shirts, Fitness Bras, and Tank Tops, our technical fabrics prioritize breathability, moisture management, muscle support, and ethical material sourcing for the professional athlete. Since 2016, our mission has been to provide technically safe, durable, and innovative apparel solutions, empowering victory on the international stage with elite confidence and precise skill development.

# T2W OUTERWEAR: TECHNICAL ENGINEERING FOR PERFORMANCE & STYLE



**TW2 INDUSTRIES**  
SIALKOT • PAKISTAN

**CASUAL JACKET**

PREMIUM COTTON-POLY BLEND      WATERPROOF MEMBRANE (10,000mm)

SECURE ZIP POCKETS      SECURE CUFF CLOSURES

**CASUAL JACKET**

**SKI JACKET**

SYNTHETIC INSULATION      HELMET-COMPATIBLE HOOD

SNOW SKIRT INTEGRATED      SKIPASS POCKET

**SKI JACKET**

**BUBBLE JACKET**

INSULATED PADDING CORE      RIPSTOP NYLON SHELL

PACKABLE DESIGN      TECHNICAL QUILTING

**BUBBLE JACKET**

**MEN'S HOODED RAINCOAT**

DURABLE WATER REPELLENT (DWR)      ADJUSTABLE HOOD & HEM

VENTILATED DESIGN      REFLECTIVE ACCENTS

**MEN'S HOODED RAINCOAT**

**FABRIC LAYER SCHEMATIC (OUTERWEAR)**

Technical fabric Layer (Waterproof)      Insulation Core

Energy Dispersal      T2N INITIAL GROMMET

**FABRIC LAYER SCHEMATIC (OUTERWEAR)**

**MOISTURE-WICKING DATA & RERF WERNING BYTH ERGO VENT SCHEMATIC**

Ventilation Mesh      Wicking Rate      Ventilation Mesh

Ventilation Mesh      Wicking Rate      Ventilation Mesh

**MOISTURE-WICKING DATA & ERGO-VENT SCHEMATIC**

**KINETICS & MOVEMENT SCHEMATIC (adapted from grappling kinetics)**

Ergonomic seam lines      Reinforced stitching

Elasticated waistband      Reinforced stitching

**KINETICS & MOVEMENT SCHEMATIC**

**OUTERWEAR PERFORMANCE DATA**

Focus Pad      Hand

Reaction Time      Reaction

**OUTERWEAR PERFORMANCE DATA**

**FEA MODELING APPAREL CONCEPT**

FEA modeling      Advanced Foot Protection

**FEA MODELING APPAREL CONCEPT**

T2W Outerwear is engineered for uncompromising performance and dynamic style, integrating Sialkot's legacy of craftsmanship with data-driven finite element analysis (FEA) and computational multi-planar movement kinetics. Designed for Casual, Waterproof, Ski, Bubble Jackets, and Men's Hooded Raincoats, our technical fabrics prioritize weather resistance, insulation, breathability, and ethical material sourcing for the professional athlete. Since 2016, our mission has been to provide technically safe, durable, and innovative wear solutions, empowering victory on the international stage with elite confidence and precise skill development.

# T2W MASONIC REGALIA: TECHNICAL ENGINEERING FOR PEAK DISCRETION & CEREMONIAL EXCELLENCE



**TW2 INDUSTRIES**  
SIALKOT • PAKISTAN

### Masonic Chain

DENTAL COMPOSITE CEREMONIAL MATERIAL

DYNAMIC IMPACT DISPERSAL (Linked)

CUSTOM MOLD Ceremonial FIT

LINKED MOBILITY (Segmented)

Masonic Chain

### Masonic Colors

RIPSTOP technical fabric WEAVE

PRECISE MASONIC COLOR GRADIENTS

MATERIAL Properties (Woven)

AESTHETIC-TECH layer

Masonic Colors

### Masonic Badges

DENTAL COMPOSITE CEREMONIAL EMBLEMS

DYNAMIC IMPACT DISPERSAL (Badge array)

TECHNICAL FABRIC DRUM BACKING

ERGO-VENT mesh integration

Masonic Badges

### Masonic Chain (Detail)

Linked Mobility (Detail)

Segmented Mobility (Detail)

Aesthetic-Tech Medallion

T2N INITIAL GROMMET

Masonic Chain (Detail)

### FABRIC & EMBLEM COMPOSITE SCHEMATIC (APRON)

Ceremonial Composite Layer

Emblem Stitching (T2W thread)

Elasticated Waistband (Composite)

Material Properties (Woven)

FABRIC & EMBLEM COMPOSITE SCHEMATIC (APRON)

### KINETICS & MOVEMENT SCHEMATIC (Masonic Chain)

Linked Mobility (Segmented)

Ergonomic seam lines

WAIUGH HIP Strap

Elasticated waistband (Chain anchor)

KINETICS & MOVEMENT SCHEMATIC (Masonic Chain)

### IMPACT DISPERSION SCHEMATIC (Badge array)

Material Stress

Material Stress areas

Technical fabric drum

IMPACT DISPERSION SCHEMATIC (Badge array)

### T2N CEREMONIAL PERFORMANCE DATA

Mouth guard data

Human body

Reaction Time

Reaction

T2N CEREMONIAL PERFORMANCE DATA

### FEA MODELING APPAREL CONCEPT

FEA modeling

Advanced Foot Protection

FEA MODELING APPAREL CONCEPT


T2W Masonic Regalia is engineered for uncompromising discretion and dynamic ceremonial style, integrating Sialkot's legacy of craftsmanship with data-driven finite element analysis (FEA) and computational kinetic modeling. Designed for Masonic Aprons, Chains, Colors, and Badges, our technical fabrics and linked composites prioritize mobility, ergonomic comfort, material longevity, and ethical material sourcing for the professional practitioner. Since 2016, our mission has been to provide technically safe, durable, and innovative regalia solutions, empowering excellence on the ceremonial stage with elite confidence and precise skill development.




# CONTACT US




**HEADQUARTERS &  
MANUFACTURING**


 **SIALKOT, PAKISTAN**

## TECHNICAL SUPPORT & INQUIRIES FOR PORTUURIES


 **FEA CONSULTATION SUPPORT**

 **ADDRESS:** Pull Aik Zafarwall Road Neka Pura  
Shuja Abad Sialkot 51310 Pakistan

## TW2 INDUSTRIES (T2W)

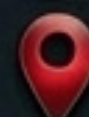
 **PHONE:** +92 304 557 2555

 **EMAIL:** INFO@TW2INDUSTRIES.BIZ  
EMAIL: TW2INDUSTRIES02@GMAIL.COM


 **WEB:** WWW.TW2INDUSTRIES.BIZ





 **FEA CONSULTATION SUPPORT**

 **SIALKOT, PAKISTAN**

## HEADQUARTERS & MANUFACTURING

 **PHONE:** +92 304 557 2555

 **EMAIL:** INFO@TW2INDUSTRIES.BIZ

 **WEB:** WWW.TW2INDUSTRIES.BIZ



# THANK YOU FOR EXPLORING OUR CATALOGUE

TW2 Industries (TW2) is honored to have presented our technical precision range. We unite traditional craftsmanship from Sialkot, Pakistan, with computational engineering and finite element analysis (FEA) to redefine performance.

From competition-grade weaves to advanced impact composites, every product empowers athletes. Master your craft with confidence. Connect with us for future innovations.

*TW2 Industries Team*

TW2 INDUSTRIES: TECHNICAL PRECISION FOR PEAK PERFORMANCE | MASTER YOUR CRAFT

