

PLASTI-WELD

Plastic Welding Technology & Hot Air Tools

a member of the *Hudaco* group



TECHNICAL TEXTILES
SOLUTIONS

CATALOGUE

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ROOFING SOLUTIONS

PRODUCTS



Industrial Fabric Welding Technology for Stronger Seams, Faster Production and Superior Product Quality

Powered by Plastiweld & Leister

Welding Instead of Stitching

Modern technical textiles have transformed industries ranging from transportation and construction to healthcare, mining, agriculture and advertising. Products manufactured from PVC, PE, PU and other coated fabrics require joints that are durable, waterproof, weather-resistant and aesthetically appealing.

Traditional stitching creates needle holes that can allow water, air and contaminants to penetrate the material. Hot air welding creates a homogeneous bond between materials, producing stronger, cleaner and more durable seams.

Leister has become the global benchmark for technical textile manufacturing by providing advanced welding solutions for:

- Truck curtains
- Tarpaulins
- Banners
- Awnings
- Tensile structures
- Inflatable products
- Protective clothing
- Flexible tanks
- Ventilation ducting
- Industrial covers
- Architectural membranes
- Agricultural fabrics

Result: Stronger seams, increased productivity, reduced labour and improved product quality.

Why Manufacturers Are Switching to Welding

✓ **Stronger Than Stitched Seams**

Heat-welded seams create a continuous bond that eliminates needle perforations.

✓ **Improved Waterproofing**

Critical for tents, tarpaulins, flexible tanks, inflatable structures and protective clothing.

✓ **Better Product Appearance**

Consistent welded seams deliver a cleaner and more professional finish.

✓ **Faster Production**

Automated welding systems dramatically increase manufacturing efficiency.

✓ **Reduced Material Failure**

No thread degradation, seam leakage or stitch-related weaknesses.

Leister Production Solutions

SEAMTEK Technology

Precision Welding for High-Value Technical Textiles

The Leister SEAMTEK range is designed for manufacturers requiring precise and repeatable welding of coated textiles and industrial fabrics.

Applications:

- Protective clothing
- Medical products
- Flexible ducts
- Inflatable products
- Technical fabric assemblies
- Automotive components
- Aerospace safety equipment

PROFESSIONAL WELDING TECHNOLOGY

SEAMTEK W-2000 AT



Key Advantages:

- ✓ High production speed
- ✓ Digitally controlled process
- ✓ Consistent seam quality
- ✓ Precise temperature control
- ✓ Reduced operator dependency
- ✓ Repeatable manufacturing quality

Typical Products:

- Protective suits
- Waterproof apparel
- Industrial filters
- Medical devices
- Technical textiles

PROFESSIONAL WELDING TECHNOLOGY

SEAMTEK W-2000 AT



Voltage	230 - 240 V
Frequency	50/60 Hz
Power	3900 W
Temperature	0 - 680 °C

PROFESSIONAL WELDING TECHNOLOGY

SEAMTEK 900 AT



Ideal For:

- Custom textile fabrication
- Inflatable structures
- Complex seam geometries
- Multi-layer textile welding

Benefits:

- Programmable welding parameters
- Precision seam control
- Enhanced production flexibility
- Reduced manufacturing costs

PROFESSIONAL WELDING TECHNOLOGY

SEAMTEK 900 AT



Voltage	230 - 240 V
Frequency	50/60 Hz
Power	4500 W
Temperature	120 - 700 °C

Automated Manufacturing Benefits

Leister SEAMTEK systems help manufacturers achieve:

- Higher throughput
- Consistent quality standards
- Reduced waste
- Lower labour costs
- Superior finished products

Industry Applications

Truck Tarpaulin Manufacturing

Truck curtains and tarpaulins must withstand years of:

- UV exposure
- Wind
- Rain
- Mechanical stress

Leister automatic welding systems produce durable seams that deliver long service life and protect valuable cargo.

Common Products

- Side curtains
- Truck covers
- Logistics covers
- Trailer curtains

Tent & Structure Manufacturing

Modern fabric structures rely on welded seams for durability and weather resistance.

Applications:



Event tents



Festival tents



Military shelters



Aircraft hangars



Emergency shelters

Leister welding equipment produces robust seams capable of handling extreme environmental conditions.

Flexible Tank Manufacturing

Flexible tanks provide portable storage solutions for:

- Drinking water
- Wastewater
- Rainwater
- Chemicals
- Fuel storage

Compared to steel storage systems, flexible tanks are lightweight, portable and cost-effective.

Specialized Roofing Solutions

Advertising & Signage

Leister welding technology is used to manufacture:



Billboards



Banners



Event signage



Building wraps



Inflatable advertising displays

The result is a professional finish and long-term outdoor durability.

PROFESSIONAL WELDING TECHNOLOGY

Featured Leister Products

SEAMTEK W-2000 AT

Best For:

- Technical textile production
- Protective clothing
- Industrial fabrics
- High-volume manufacturing

Key Benefits:

- Automated operation
- Excellent seam quality
- Low production costs
- High repeatability

SEAMTEK 900 AT

Best For:

- Precision textile fabrication
- Complex seam applications
- Specialist manufacturing

Key Benefits:

- Maximum flexibility
- Advanced welding capabilities
- Consistent production quality

PROFESSIONAL WELDING TECHNOLOGY

UNIPLAN Series

Best For:

- Tarpaulins
- Truck curtains
- Banners
- Industrial covers

Advantages:

- High-speed welding
- Consistent seam quality
- Portable operation
- Increased productivity

The UNIPLAN range is widely used by tarpaulin and banner manufacturers worldwide.

PROFESSIONAL WELDING TECHNOLOGY

HOT AIR TOOLS

TRIAC ST

The industry benchmark for professional hand welding.

TRIAC AT

Intelligent temperature-controlled hot air welding for precision work.

HOT JET

Ideal for detailed and specialist textile welding applications.

These tools are essential for repairs, detailing and custom fabrication work.

Why Leister?

Swiss Engineering Excellence

Precision-built equipment designed for industrial manufacturing environments.

Proven Global Performance

Trusted by textile manufacturers in over 100 countries.

Consistent Weld Quality

Repeatable production processes that reduce rejects and improve profitability.

Local Plastiweld Support

Plastiweld provides:

- Technical backup
- Product demonstrations
- Operator training
- Repairs and servicing
- Spare parts availability
- Application engineering support

Industries Served

- Truck Body Builders
- Tarpaulin Manufacturers
- Tent Manufacturers
- PPE Manufacturers
- Signage Companies
- Military Suppliers
- Mining Ventilation Contractors
- Medical Manufacturers
- Agricultural Fabricators
- Architectural Membrane Contractors