EMBRACE THE OUTDOORS

MDT - THE COMPANY

MDT-tex®
Membranes & Structures
ABOUT MDT

IN SHORT:
MDT DESIGNS, MANUFACTURES AND SUPPLIES INNOVATIVE, HIGH-QUALITY SUN PROTECTION SYSTEMS, MEMBRANE CONSTRUCTIONS, AND CUSTOM-MADE PRODUCTS FOR TEXTILE OUTDOOR ARCHITECTURE TO CUSTOMERS ALL OVER THE WORLD

THE COMPANY CARRIES OUT THE ENTIRE PRODUCTION PROCESS IN ITS OWN MODERNIZED FACTORIES AT INTERNATIONAL LOCATIONS. THIS GUARANTEES HIGHEST QUALITY FOR INNOVATIVE PRODUCTS AND ENSURES ABSOLUTE SUPPLY SECURITY
OUR LOCATIONS

Germany, Switzerland, Latvia, USA, Australia

MDT-TEX BRAND

GERMANY
HARDHEIM
- Headquarter
- Aluminum, steel and textile
- Storage
- General and Static engineering
- National and International Sales
- Key Account Management
- Research & Development

SWITZERLAND
TÄGERWILEN
- Design and Development
- 3D individuell textile formfinding software
- Architecture and innovations
- International Sales
- Key Account Management

LATVIA
RIGA
- Aluminum, textile production
- Product design
- Prototyping / 3d printing
- Powder coating

USA
TYRONE, GA
- International Sales
- Key Account Management
- Supply chain mangagement
- Storage

AUSTRALIA
FREMANTLE
- International Sales
- Key Account Management
- Storage
Expertise in PRODUCTION

MDT-TEX BRAND

ALL PRODUCTION STEPS ARE CARRIED OUT IN OUR IN-HOUSE FACILITY, FOR OPTIMUM QUALITY, INDEPENDENCE AND AVAILABILITY.

CONSTRUCTION & ENGINEERING

METALWORKS

CUTTING AND PREFABRICATING

Autodesk Inventor

CNC Metalworking

Textile layer machines

3D printer

Aluminum welding robot

Automated sewing machine

Rapid Prototyping / 3D printer

Extrusions

CNC textile cutter

FROM MANUFACTURE TO SYSTEM PROVIDER
Expertise in PRODUCTION

FROM MANUFACTURE TO SYSTEM PROVIDER

SEWING AND WELDING
- Sewing center
- Special sewing machine
- Ultrasonic textile welder

TEXTILE PRODUCTION, WEAVING
- PTFE loom
- Coloured PTFE fabric
- Textile diversity

PRINTING AND COATING
- Digital printing machine
- Water resistant coating
- Flame-retardant coating

LOGISTICS AND ASSEMBLING
- 2 x 25 to overhead cranes
- Final assembly with 30m span Wire
- Wireless Warehouse-Concept
Expertise in COMPLETION

THE STEPS TO YOUR SUCCESS

THE MDT-TEX DESIGN DEVELOPMENT

MDT-TEX BRAND
Business SEGMENTS

**RESTAURANTS**

MDT-tex umbrellas create an atmospheric outdoor environment for Bars, Restaurants and Hotels and suit ambitious and individual design solutions.

**OUTDOOR GASTRONOMY**

For gastronomic licensees we can offer attractive solutions for the extension of their outdoor space and revenue-driven hospitality areas.

**URBAN DESIGN SOLUTIONS**

Community and urban solution may have a great impact on marketing oriented events as well as on social interaction for public.

**PUBLIC PLACES**

The extension of usable space to the outdoors creates new possibilities of interaction, independent of the weather – people meeting people.

**ARCHITECTURAL PROJECTS**

As we plan and deliver ready-for-use textile outdoor architecture we serve as an efficient and competent partner for architects, which enables them to focus on their core business.

**TEMPORARY EVENTS**

High-quality tulip and double-membrane umbrellas are available for temporary events exclusively at MDT-tex. They serve as a highlight for a series of events, such as the Expo Milano.
MDT-TEX HAS BECOME THE IDEAL PARTNER FOR THE CONVERSION FROM INDIVIDUAL, TAILOR-MADE AND VISIONARIES ARCHITECTURE AND SCENERY PROJECTS

INTERNATIONAL ARCHITECT’S OFFICES LIKE
GRIMSHAW (UK), UNSTUDIO (NL), MAX DUDLER (CH, D) OR ATELIER OÏ (CH) PROVE THE SUCCESSFUL COOPERATION THROUGH THE TOGETHER REALIZED PROJECTS.
MDT PRODUCTS

TYPE EV
TENSILATION
This new, strong and extra-lightweight canopy system covers an indefinite amount of space with flexible configurations. Available in three shapes and equipped with a modular flooring, it is extremely fast to erect.

TYPE TS, TH, THK & E
USE OF ENERGY
Both Type E and T umbrellas may be equipped with solar cells, which make mobile charging of smart-phones and other functions possible. Further developments include water storage and cooling systems.

TYPE H
WOODEN UMBRELLA
Wooden umbrellas are still considered as being one of the most elegant umbrellas with a nostalgic flair. Every single piece is handcrafted from high-quality, sustainable eucalyptus wood.

TYPE S7/16, EH, AVH & SAH
M-HOME
The home collection is the one to be used for private clients. Basically the sizes of the standard umbrellas have been reduced.

TYPE G, S & T
ALUMINIUM UMBRELLAS
Our telescopic umbrellas, which are available in either square, rectangular or round configurations, offer safe sun and rain protection for both single events and permanent installations.

TYPE E
TULIP UMBRELLAS
By their elegant and textile design tulip umbrellas transform each occasion into a special one. Extendable by free choice of color, lighting and even scent.

TYPE SA
SIDEARM UMBRELLAS
This model perfectly suits the needs of modern exteriors. Due to its space-saving design, open space is created by subtracting the mast from the covered area. Ideal for terraces and balconies for example.

TYPE AV
DOUBLE MEMBRANE UMBRELLAS
Double-membrane umbrellas combine high-tech with stylistic elements. Internal lighting and clad bonded system allows the customer to connect multiple umbrellas to form a closed roof.
MDT PRODUCTS

MDT-TEX BRAND

**TYPE SHT**
SHADE STRUCTURES- TULIP
A permanent sun protection, which places the emphasis on an extraordinary design. Perfectly suitable for permanent use due to high wind stability.

**TYPE SHP**
SHADE STRUCTURES- PAGODE
The pagoda configuration is something special. It is wind stable and recommended to be used permanently. This model is also available as a double-skinned shade structure.

**TYPE SP**
DOUBLE MEMBRANE CONSTRUCTION
This model has a surrounding rain gutter as well as an integrated drain. It is perfectly suitable as a permanent installation.

**TYPE ET**
DESIGN UMBRELLAS
This elliptical 'goblet' shade structure is tensioned by cables. It is designed for permanent use and additionally has an opening for cleaning of the drainage.

**TYPE GC**
UMBRELLA BAR
Known as Apres-Ski-Bars in many winter-sport areas, these bars suit catering for many patrons. Also the gastro concept is suitable within smaller dimensions.

**TYPE SE**
SAIL CONSTRUCTIONS
Two standard configurations include: a 4-point sail and an arch. Both can be used for indoor and outdoor events such as tradeshows, exhibitions and concerts.

**TYPE TENT**
TENT
The tent is designed for large events, access from all sides. The base has a modular structure and serves as sub-construction.

**TYPE SEA**
RETRACTABLE SAILS
This sail is suitable for roofing of terraces, playgrounds and public places, cafes, as access from either side is open.

FROM STANDARD TO LARGE SCALE & CUSTOM PRODUCTS
PRODUCTS

STANDARD PRODUCTS
UP TO 6 M
TYPE S16
Home range
2.5 m up to 4 m
TYPE S16
Home range
2.5 m up to 4 m
TYPE EV
Tensilation
4 x 4 m

TENSILATION
TYPE EV

MDT-TEX and
GRIMSHAW ARCHITECTS
TYPE E
Tulip
TEXTILE ARCHITECTURE

LARGE SCALE AND CUSTOM PROJECTS
AMSTERDAM LIGHT FESTIVAL

EYE BEACON 2016

THE NETHERLANDS

TYPE EB
Cirrus System

MDT-TEX and UNSTUDIO
TYPE PA
Cirrus System

TECHTEXTIL LIVING IN SPACE

PROTOTYPE II 2017
FRANKFURT AM MAIN

MDT-TEX and UNSTUDIO
TYPE E
XXL Tulip
Ø 10 m

KING ABDULAZIZ CENTER 2016
SAUDI ARABIA

MDT-TEX and SNOHETTA
MEETING HOUSE SQUARE 2012
DUBLIN
TYPE E
XXL Tulip
11 x 14 m
MDT-TEX and SEÁN HARRINGTON ARCHITECTS
TYPE EI
5.1 - 5.7 m

LE SHOP
STUDEN 2012
SWITZERLAND

MDT-TEX and
ATELIER 01 ARCHITECTS
SUSTAINABILITY

SOLAR ENERGY AND WATER HARVESTING
TYPE SCP
Solar Carport
5.3 x 5.3 m
Symmetric SOLAR CARPORT

TULIP-SHAPED SHADE STRUCTURE

In a new development the tulip-shaped shade structures are transformed into solar ports capable of harvesting solar-energy and rainwater.

The 5.3 x 5.3 m square structure having central mast can serve as shelter for two cars. Given its modular design, several structures can be placed next to each other in a linear or group configuration.

DIMENSIONS

<table>
<thead>
<tr>
<th>STRUCTURE</th>
<th>Fixed, steel construction with asymmetric mast and photovoltaic modules above the membrane</th>
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<td>MEMBRANE</td>
<td>PVC 650 g/sq.m</td>
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<td>1.8 x 1.8 x 1.8 m Reinforced concrete</td>
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DIMENSIONS ARE IN MILLIMETERS

*All measurements are rounded*
Asymmetric SOLAR CARPORT

DIMENSIONS

STRUCTURE
- Fixed, steel construction with asymmetric mast and photovoltaic modules above the membrane

MEMBRANE
- PVC 650 g/sq.m

FOUNDATION
- Reinforced concrete, 1.8 x 1.8 x 1.8 m

DIMENSIONS ARE IN MILLIMETERS
*All measurements are rounded
Water HARVESTING

- PV PANELS RAINS
- CABLING (inner mast - water tight)
- WATER FILTRATION SYSTEM
- WATER USE:
  - Car wash
  - Watering
  - Mist system
- WATER DRainerage OUTlet
- WATER TANK
- Sealed Water drainage pipes
- Water harvesting
- Dry outer mast area
- Wet outer mast area
- Drinking Water
TYPE E
Solar Umbrella
3 m and 4 m
SOLAR UMBRELLA

OPEN AND CLOSED VIEW

FOLDABLE Structure
SOLAR UMBRELLA

FOLDABLE Structure
For more information see

www.mdt-tex.com