

YOUR PARTNER FOR THE CONVERTING OF TECHNICAL TEXTILES AND NONWOVENS

Technologies



One Partner, Unlimited Possibilities

WITH EXPERTISE BY YOUR SIDE

3

Locations across Europe

IATF 16949

& ISO 9001 certified

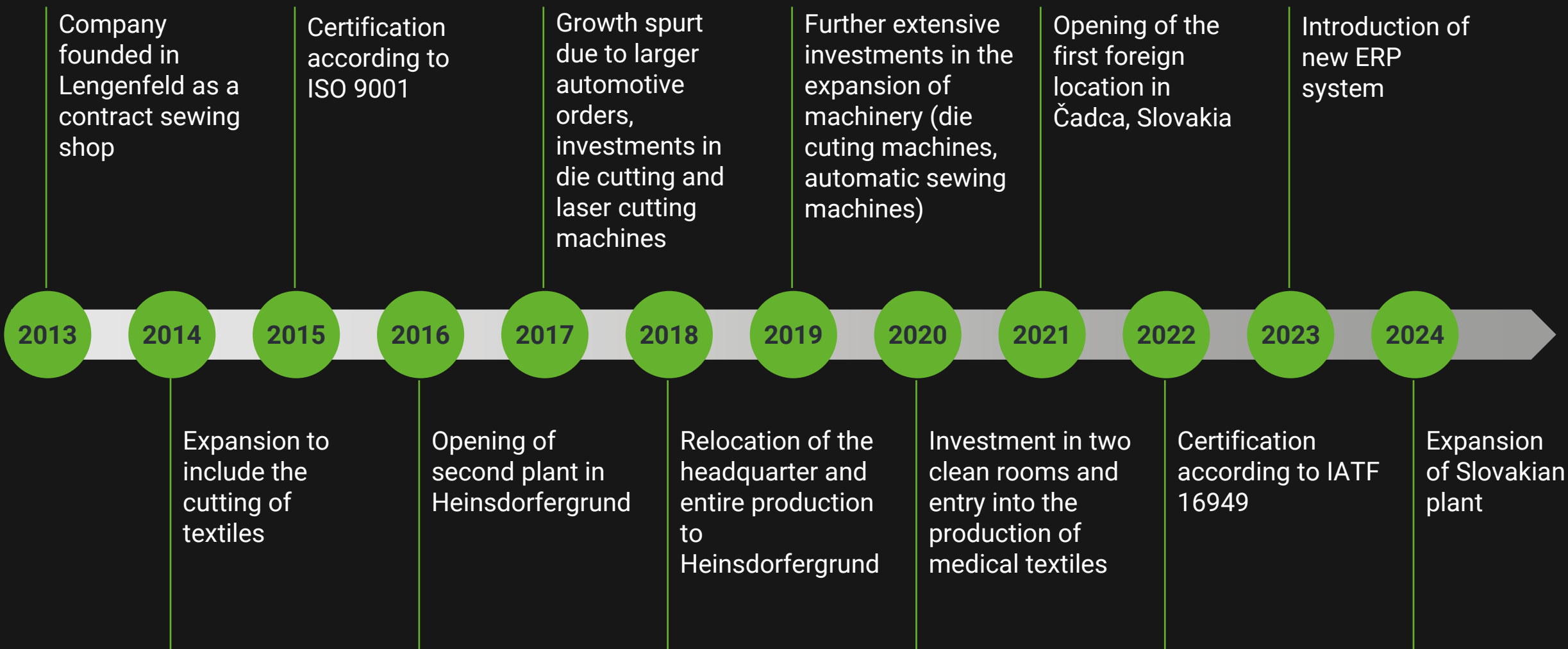
25

Mio. parts and components annually

90

Employees

OUR HISTORY



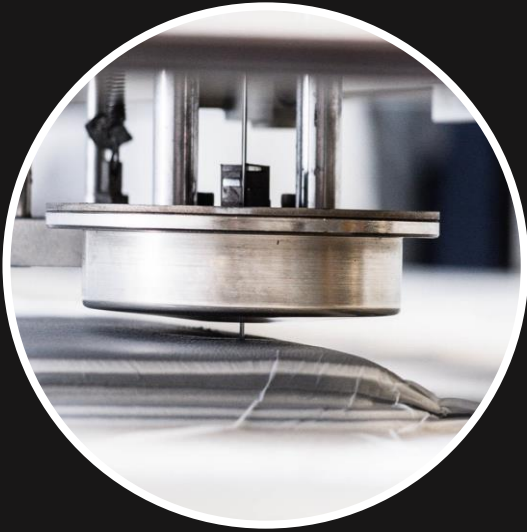
YOUR CHALLENGES

- **Diverse** requirements for the end product and its production
- Ensuring high **quality** standards
- **Coordination** of multiple subcontractors
- Cost-intensive and **complex** in-house production
- **Short-term** change requests
- Lack of production capacity due to a **shortage of skilled workers**

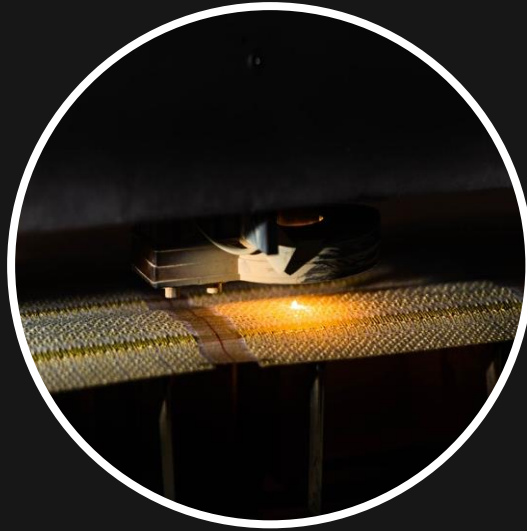
OUR SOLUTIONS FOR YOU

- All production steps **from a single source**
- **Certification** according to IATF 16949 and ISO 9001
- **Customized** manufacturing
- **Efficient** document management
- Flexible **call-offs** through high machine capacity
- **White-label** productions
- **Quick and flexible** implementation of requirements

CUTS / PUNCHES



CNC multilayer
cutting



CNC laser cutting



Die cutting



Kiss-cutting

CNC MULTILAYER CUTTING

- Cutting area of 2 x 3 meters
- Cutting height up to 5 cm
- Suitable for cutting of almost all textiles

CNC LASER CUTTING

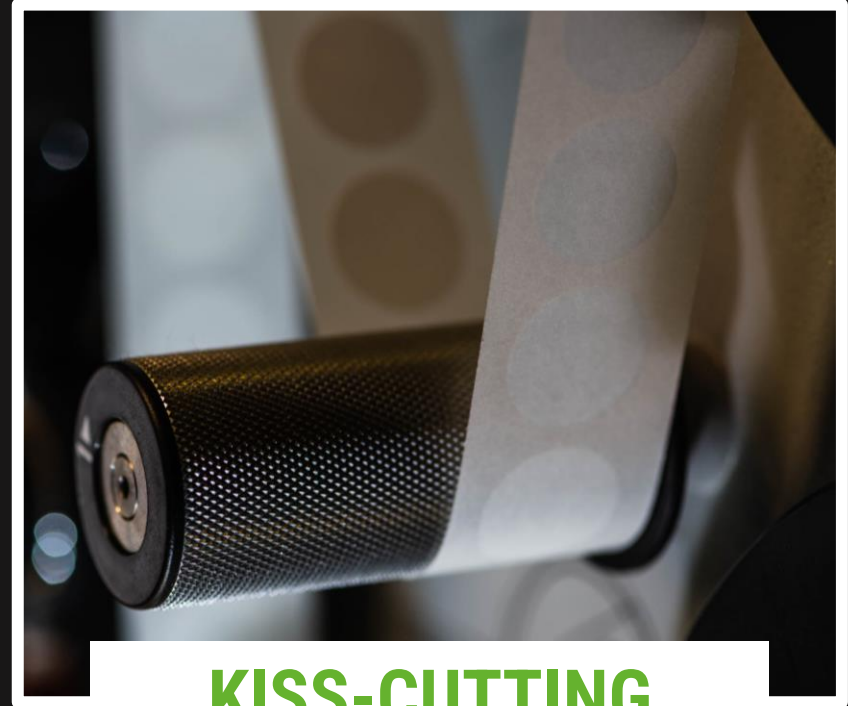
- Material width up to 3,2 m
- Welded edge
- No fraying of the material
- Contactless cutting
- Smallest tolerances





DIE CUTTING

- Fully automated cutting for large series
- Max. die cut part size 2000 x 1600 mm
- Manual die cutting for samples/ small sizes



KISS-CUTTING

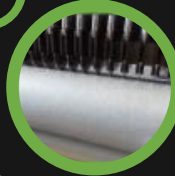
- Max. part size 750 x 700 mm
- Also suitable for large quantities
- Parts supplied on rolls, sheets or as single parts

ROLL PROCESSING

Cutting to length of tapes

- Cold cutting
- Hot cutting
- Laser cutting
- Inner holes/ cut-outs

Short roll winding



Log slitting of rolls



Spooling of tapes

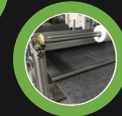


Roll printing

Sheet/ Rectangle cutting



Self-adhesive lamination



ROLL SLITTING / LONGITUDINAL CUT

- Roll-to-roll cutting method
- Total cutting width up to 3200 mm
- From 15 mm cutting width
- Cutting process:
 - Crush cut
 - Shear cutting with driven knives
 - Hot cutting



LOG SLITTING OF ROLLS

- From 5 mm to 1600 mm width
- Various blade geometries



SPOOLING OF TAPES

- Rewinding of tapes onto large spools/ cross wound spools

CUTTING TO LENGTH OF NARROW TEXTILES, BELTS AND TAPES

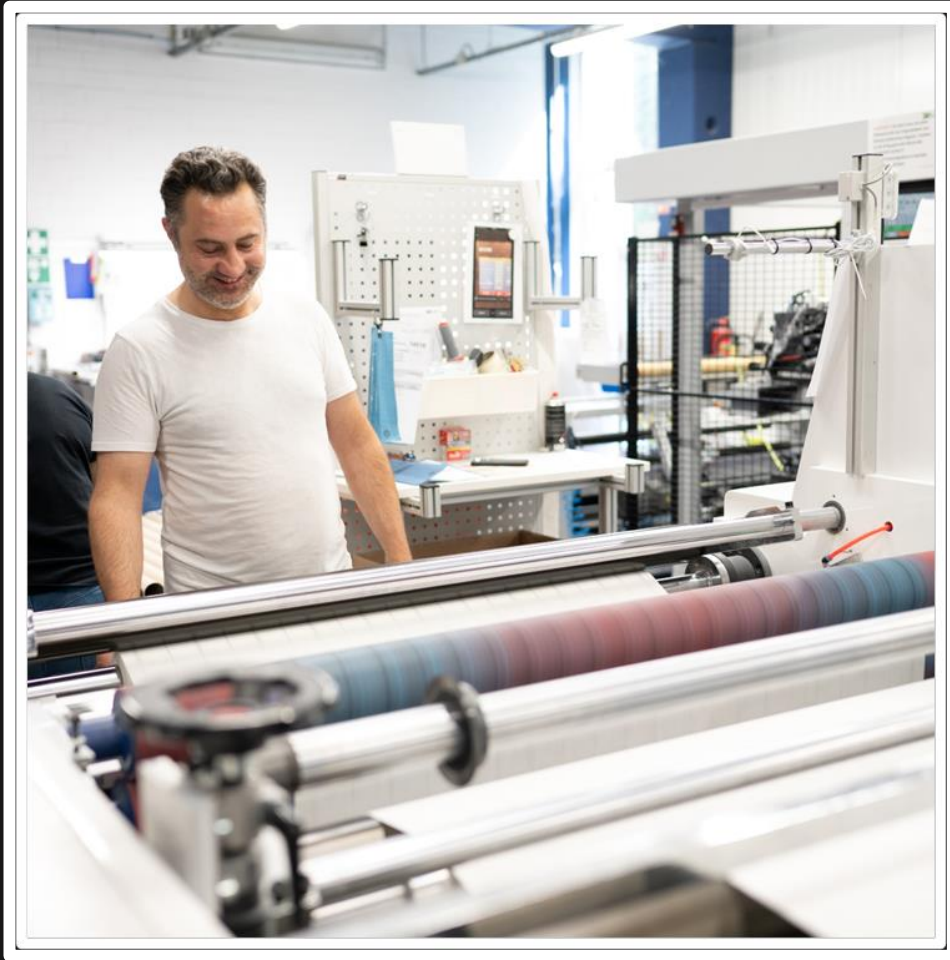
- Cold/ knife cutting
- Hot cutting
- Laser cutting for any interior cut-outs

Further Services:

- Applying additional markings to the belts
- Insertion of holes, interior cut-outs, etc.

SELF-ADHESIVE LAMINATION

- Lamination of textiles and nonwovens
- Up to 2 m working width
- Further processing as wide fabric, narrow strip cuts, die-cut parts/ blanks or kiss-cut parts



SHORT ROLL WINDING

- Run lengths 1 to 1000 m
- Core diameter 50 or 76 mm
- Raw material width up to 1200 mm

SHEET/ RECTANGLE CUTTING

- Raw material width up to 2000 mm
- Up to two layers simultaneously
- Max. cutting size 2000 x 3200 mm





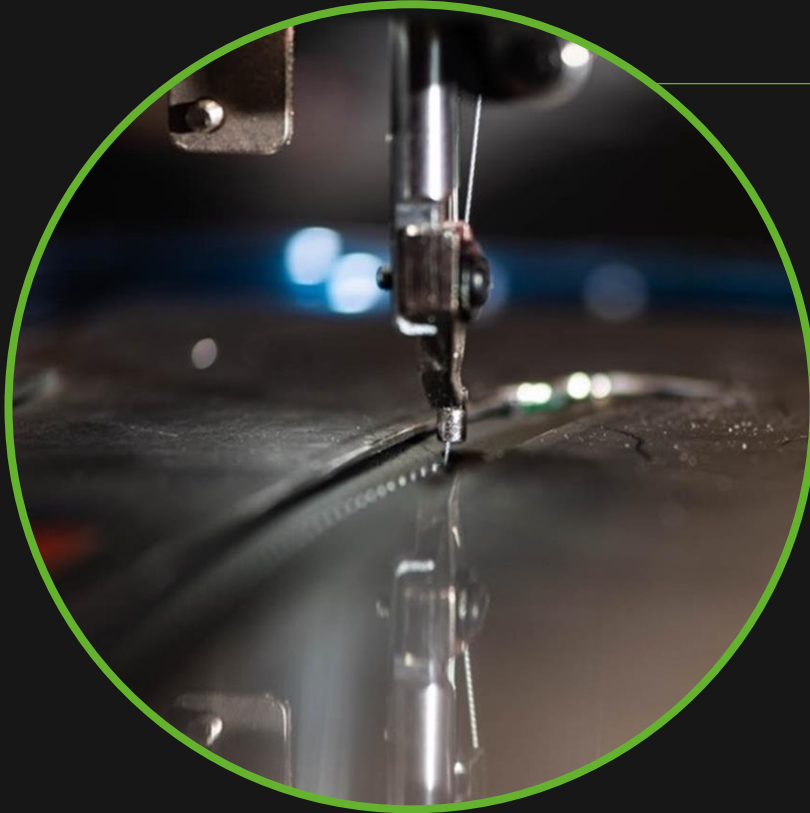
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FLEXOGRAPHIC PRINTING

- Fast printing process
- Up to 1200 mm printing width
- Max. 2 colors

Rotary head sewing machines

SEWING & WELDING



Automatic CNC sewing



Manual sewing





AUTOMATIC CNC SEWING

- Sewing area up to 1000 x 1000 mm
- Quick and flexible changes
- Rotary head sewing machines for high quality interior seams

COMPLEX SEWING PROCESSES

- Triple feed sewing machines for sewing of heavy technical textiles
- Zig-zag sewing machines for joining parts
- Overlock sewing machines for securing edges
- Sewing machines with edge trimming device
- Special sewing machines for sewing of tubes
- And more

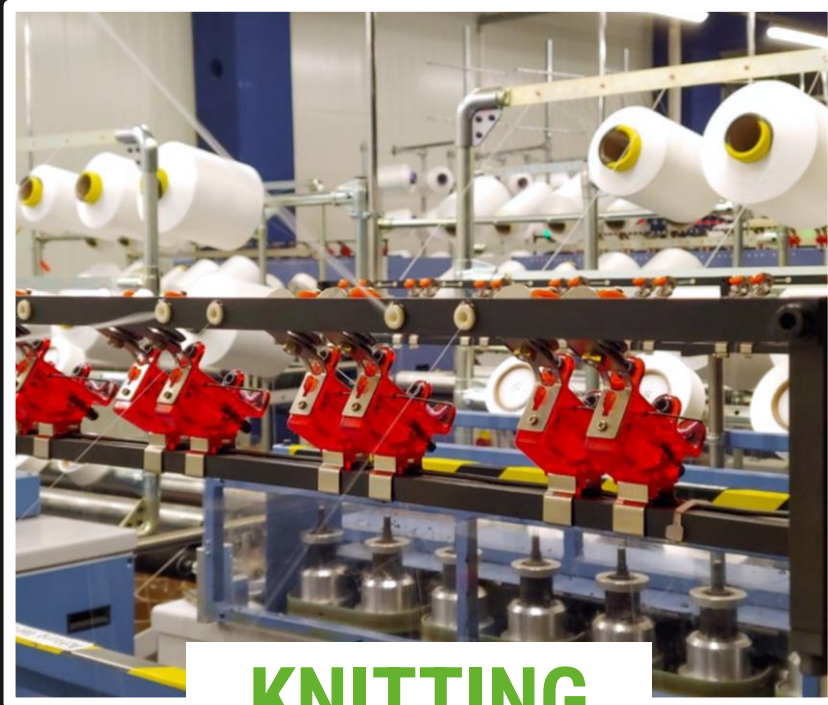




WELDING

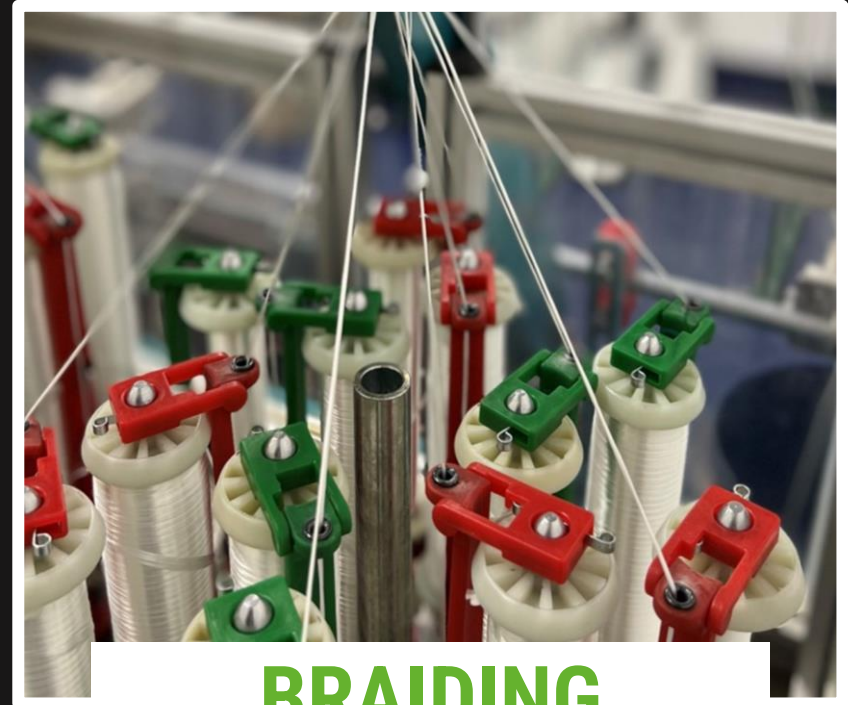
- Nonwoven and synthetic textiles
- Possible contours:
 - Cylinder
 - Bags / pouches
 - Flat parts
- Hot and ultrasonic welding processes

TEXTILE MANUFACTURING



KNITTING

- Round cords and tubes
- Earloop for surgical or FFP2 masks



BRAIDING

- Fiberglass and other technical cords
- Diameter 1-10 mm
- Spool, small spool oder bag / box

MOLECULAR AIR FILTRATION

- Filter media (nonwovens, foams, filter fabrics, etc.)
- Fabricated gaskets, coarse dust filters, and pre-filter mats
- Side tapes / frame material for pleated filters in various widths
- Welded and sewn filter bags, cylinders, pockets, hoods, and other three-dimensional filter components
- Inserts for fluid and gas filters
- Activated carbon-coated filter media

ACTIVATED CARBON COATING

- 1600 mm maximum coating width
- 4 Mio. m² annual production capacity
- Innovative adhesive spray process with thermostable glue

PROCESSING OF PRODUCTS IN THE CLEANROOM

- 350 qm cleanroom area
- Cleanroom Class 8
- Production of surgical and FFP2 masks
- Capacity: approx. 30 million masks / a



PROCESSED MATERIALS

- Synthetic leather
 - Dinamica
 - PVC
 - TPO
- Woven fabrics
- Warp-knitted fabrics
- Knitted fabrics
- Films
- Extruded webs
- Nonwovens
 - Highloft
 - Needle-punched
 - Thermally bonded
 - Chemically bonded
 - Spunbond
 - Meltblown

SERVICE

- Assembly
 - Manually or automatically
- Sorting
- Packing
- Logistics
 - Interim storage
 - Outline orders
- Shipping
 - Also White-Label shipping possible





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