



COATING

CONVERTING

DISTRIBUTION



A Bond That Lasts!

Self-Adhesive Tapes
Electrical Insulation Tapes
Industrial Tapes
Packaging Tapes
Double Sided Tapes
Die Cut Solutions
Dispensers & Processing Devices

Coating | Converting | Distribution

Volz Selbstklebetechnik GmbH

YOUR EXPERT IN ADHESIVE TAPE SOLUTIONS

VOLZ® TAPES is your competent partner for all self-adhesive tape requirements. Our extensive product portfolio offers a variety of standard and specialty tape products, supporting advanced industry applications, as well as standard and complex packaging requirements. We are the industry expert in double sided tapes, electrical and industrial tapes, packaging tapes, self-adhesive die cut solutions and, of course, tape dispensers and processing devices.

VOLZ® TAPES has spent the last several decades developing its core competencies in the areas of Coating, Converting and Distribution. We produce turn-key custom tape solutions to meet our customers' most complex industry challenges. Our advanced production facility is capable of cutting any tape width or producing die-cut solutions to your exact specifications. It is our goal to develop high-end, cost effective tape solutions that meet your operational demands.

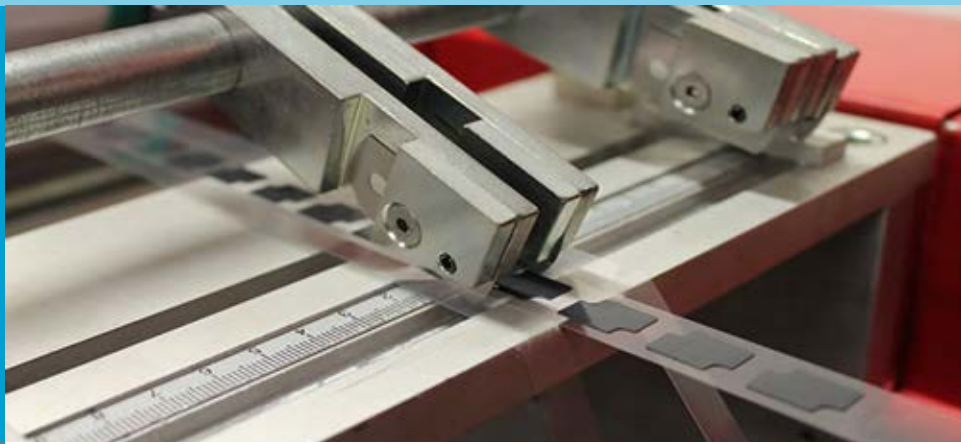
VOLZ® TAPES is a trusted and valued member of AFERA, the European Adhesive Tape Association. AFERA membership provides a front row seat to market developments and valuable exposure to other key adhesive tape associations such as PSTC (USA), CATIA (China), TAAT (Taiwan) and JATMA (Japan).



COATING: CUSTOMIZED ADHESIVE SOLUTIONS

VOLZ® TAPES develops and manufactures high-end electrical and double-sided adhesive tapes. We coat customer specific, carrier materials with high-end adhesives to create innovative tape solutions. Our customers benefit from an extensive array of advanced custom tape products based on different carrier and adhesive combinations. VOLZ® TAPES is proud to serve a very prominent and reputable customer base across many different industries on a global scale.

- Coating of diverse carrier materials such as Fabric, PP, PE, PET, PVC, Fleece and Foam
- Available adhesives are
 - ◇ synthetic rubber (hotmelt)
 - ◇ natural rubber
 - ◇ solvent- and water-based acrylic
 - ◇ Silicon
- Adhesive Transfer Tapes with and without glass fibers



CONVERTING: CUSTOM MANUFACTURING

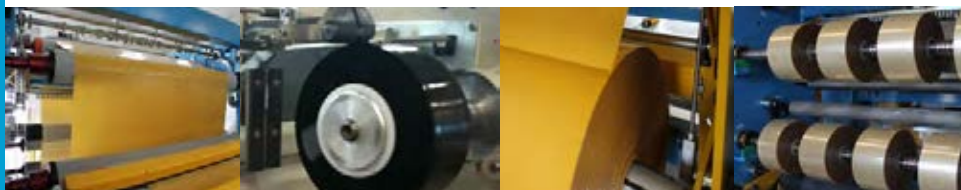
Certain standard industry tapes may not be qualified for complex applications. VOLZ® TAPES offers custom designed adhesive solutions to meet exact customer specifications.

Custom tape solutions may include multiple materials laminated together, coated with specific adhesives and equipped with specific liners and/or carrier materials. All custom and standard tape solutions are available in single rolls, log rolls or Jumbos, in custom widths and lengths. Cross wound spools are also available with or without finger lift.

Production lines can significantly benefit from custom designed, form fitting parts, operating more effectively and cost efficient. VOLZ® TAPES' customers greatly benefit from our capability to produce high quality, die-cut solutions for highly complex processes.



- Logging, Semi and Fully Automatic
- Cross Wound Spools
- Coating and Laminating
- Rewind Slitting
- Single & Double Lathe Slitting
- Flatbed Die-Cutting/Kiss-Cutting
- Rotary Die-Cutting/Kiss-Cutting
- Plotter & Laser cutting
- Printing
- Automated Packaging Solutions
- Core Branding



CONVERTING: REWINDING

VOLZ® TAPES produces different length log rolls for large scale production purposes or for further conversion to smaller rolls. Electronic management systems keep track of desired length and tension control, which is crucial for further converting.

Semi-automatic rewinding:

Cutting while rewinding into log rolls or master rolls.

- Up to 1000m per master roll
- Up to 300m per log roll
- Possible razor or scissor cut
- On 3" and 6" core
- Up to 1550mm width
- Differential and pneumatic core shafts

Custom cutting:

Manufacturing rolls with a possible tolerance range of +/- 0,1mm*

- Up to 1000m length
- 4 to 300mm width
- Possible on 3" core

Fully-automatic rewinding:

Turning Jumbos into log rolls in large quantities.

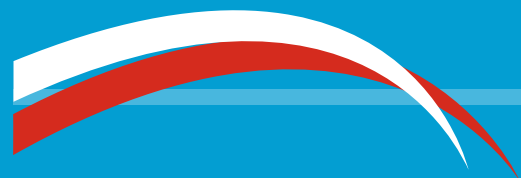
- Production of up to 100 log rolls / h
- Up to 1550mm width
- Up to 100m in length
- On 3" cores

Cross wound spools:

Production of rolls with extensive length.

- 180 to 300mm width
- With or without liner
- On 3" and 6" core
- Possible tolerance range of +/- 0,1mm*

*) Tolerance range may differ based on material used





CONVERTING: COATING & LAMINATING

VOLZ® TAPES' advanced coating and laminating operation can mix and match different carrier materials with appropriate adhesives to create exceptional tape solutions.

- Adhesive coating of materials such as rubber, fabric, foam, cloth, foil, metal
- Single- and double-sided adhesive tape
- Up to 1700mm in width
- Processing up to four different materials in one operational step
- Production onto 3", 4", and 6" roll core
- Coating to exact customer specification
- Liner changes
- Coating of customer provided material

CONVERTING: CUTTING (SLITTING)

Cutting/Slitting is the conversion process in which we cut logs or wide rolls into thinner slices to meet customer specifications. Depending on the different materials involved, we choose to slit on our lathe slitters or cut while rewinding Jumbos or log rolls. VOLZ® TAPES can offer almost

Rewind Slitting:

Individual razor blades are positioned at stationary intervals across the machine. By rewinding the material and pulling it through the blades, slitting is achieved at the precise intervals of the pre-determined blade positions.

- On 3" and 6" core
- Up to 600mm diameter (outside)
- 4 to 1550mm width
- Tolerance range +/- 0,1mm possible*
- Raser Blade, Lathe, Crush Cut Blade

Lathe Slitting:

A log roll of pressure sensitive tape is spun at high speed while a circular blade cuts the material to the desired width.

- On 1", 1,3", 1,5" or 3" roll core
- Up to 350mm diameter (outside)
- 1 to 1500mm width

*) Tolerance range may differ based on material, length and width

CONVERTING: DIE CUTTING / KISS CUTTING

Custom designed, form-fitting parts optimize production cycles. VOLZ® TAPES offers die-cut and kiss-cut adhesive solutions to exact measure. Our modern production plant operates on standard flatbed and rotary die-cut presses. VOLZ® TAPES' die-cut solutions are delivered loose, on rolls or on sheets. They can be printed or neutral, and with or without finger lift.

Die Cut Press Key Capabilities

- Hydraulic Flatbed Press – up to 600mm
- Rotary Press – up to 350mm
- Die-cutting or Kiss-cutting
- Tolerance +/- 0,1mm possible*
- Unlimited quantities
- Printed or plane
- Multiple presses in-line possible
- Fully automated process

Waterjet cutting, Laser- and PC controlled plotter cutting:

VOLZ® TAPES offers these cutting options as an alternative to standard die-cutting for special requirements and production series.

*) Tolerance range may differ based on form and material





CONVERTING: INDIVIDUAL PACKAGING OPTIONS

VOLZ® TAPES invests great effort in packaging, labeling and tracking for all its products. Proper packaging is a key component to our ultimate goal of complete customer satisfaction. Our options include packaging and labeling of individual rolls, as well as accordion- or tower shrink wrapped solutions. All our standard palletized shipments have re-enforced corner protection and protective lids.

Packaging:

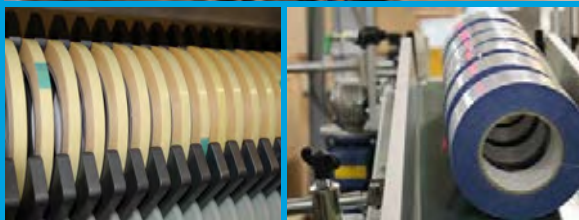
- Single roll
- Accordion shrink wrap
- Industrial packaging / tower shrink
- With logo or neutral

Labeling

- Front face
- Side label
- Per individual request
- Barcode

Custom Drop-Ship Capabilities:

Upon request, VOLZ® TAPES can drop ship directly to end users without any identifying manufacturer information



CONVERTING: CAD – TECHNOLOGY



In our state-of-the-art facility, VOLZ® TAPES utilizes Computer Aided Design (CAD) technology to design and develop new products. As a reliable partner to an array of customers with highly sensitive and complex production methods, VOLZ® TAPES assures the highest quality standards and continuous product reliability.

- Design of prototypes and production drawings
- Development of custom tools
- Creation of samples and mass production methods
- Planning and development of new, individual adhesive tape solutions

DISTRIBUTION: NAME BRAND ADHESIVE SOLUTIONS

VOLZ® TAPES offers exceptional adhesive tape solutions by leading manufacturers such as tesa®, Intertape polymer group® (IPG), 3M, Scapa, Nitto, and more. We have spent years cultivating strong business relationships with leading industry manufacturers to provide turnkey solutions to our customers' adhesive requirements.



Conversion Solutions

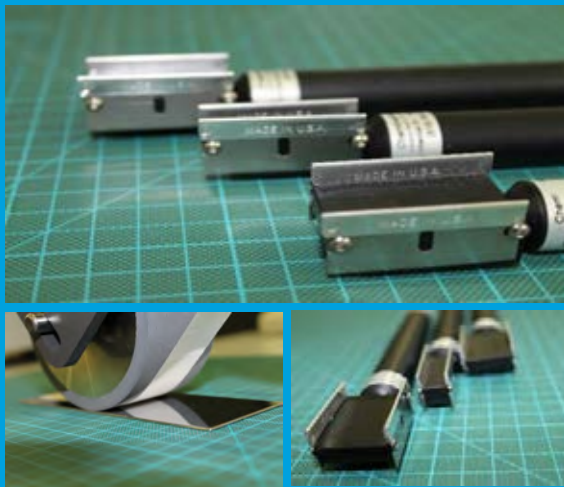
In addition to standard sizes available from the manufacturer, VOLZ® TAPES also offers these products as converting solutions to custom fit specific needs.

Extensive Storage Capacity

Our modern logistics center has been designed with significant storage capacity to assure sufficient stock for quick delivery times. It's advanced operations and tracking system provides key functionality to our production facilities as well as on-time delivery assurance to our global customer base.



- We test to AFERA standards. Per request, we can test to other specifications and standards required for our customers.
- Quality assurance for our die-cut products is achieved by advanced optical measuring technology in comparison to each customer specification.
- All test procedures and respective results are documented for transparency and future reference.



QUALITY MANAGEMENT: CERTIFIED QUALITY ASSURANCE

To assure our high standard of quality, VOLZ® TAPES has invested in a state-of-the-art research and development laboratory with the latest technology testing equipment. Here, we precisely test and evaluate our products to guarantee that the specified values are being met continuously. Our quality management system is **DIN ISO 9001:2015** certified and many of our Electrical Insulation Tapes and our Double-Sided Adhesive Tapes carry **UL – Certification**. VOLZ® TAPES is also **AEO** certified and participates in the global GS1 – System and fulfills GS1 standards.

We are a trusted and valued member of **AFERA**, the European Adhesive Tape Association and test our products according to **AFERA, FINAT, PSTC, CATIA, TAAT** und **JATMA** standards.



VOLZ® TAPES LABORATORY



Adhesive Strength
Test 180°
according to AFERA 5001



Tensile Strength
according to AFERA 5004



Loop Tack Test
according to Finat Nr.9



Thickness
according to AFERA 5006



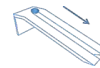
Width
According to AFERA 4027



Cross Section



Adhesion Strength
Test 90°
according to AFERA 5001



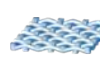
Rolling Ball Tack Test
according to PSTC – 6



Static Shear Adhesion Test
according to AFERA 5012



Weight



Material Structure



Barcode Reading



Climate and Environmental Test

INDIVIDUAL SELF-ADHESIVE SOLUTIONS FOR A MULTITUDE OF INDUSTRIES

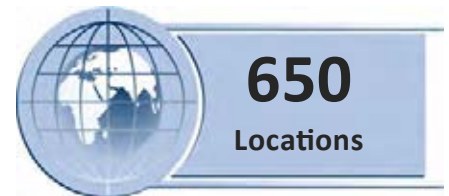
VOLZ® TAPES is dedicated to producing solutions of the highest standard. Through our expertise, hard work and commitment to customer satisfaction, we have earned the trust and respect of renowned companies, institutions, associations and organizations across various industries.

Our high-quality adhesive tape products support complex applications in various industry sectors, such as **metal processing, machine engineering, medical technology, automotive industry, building and trade, appliances and HVAC.**

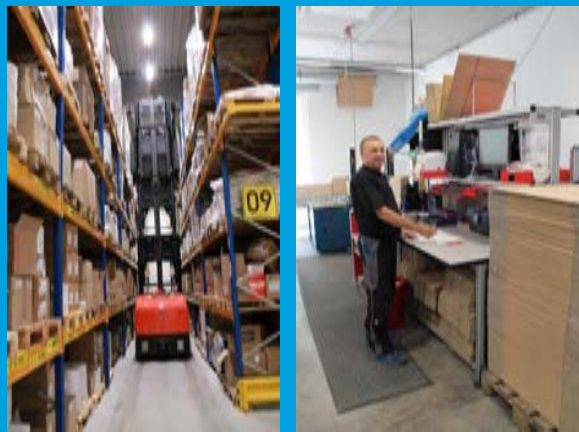
Since 2011, VOLZ® TAPES is the **sole provider of all self-adhesive tapes to the German Armed Forces (Bundeswehr)**. In addition, we have an exclusive delivery contract with the Federal Government of Germany to provide product also to the German Police, Emergency Services and other Federal Entities.



SERVING CUSTOMERS WORLDWIDE



We currently supply over 650 locations worldwide with over 130 different articles.





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