Application Overview
Composite and TechTex

Your first choice in digital cutting.

ZÜND
swiss cutting systems

Dynamic markets demand
ultimate flexibility

| 1 | 2 | 3 | 4 | 5 | 6 |

Where strict quality requirements meet challenging materials

You conduct ground-breaking research in composites, develop products and the perfect methods for manufacturing them… You build prototypes or produce highly specialized components in short series for customers with the most stringent quality requirements… You are confronted with the challenges of producing light-weight building products in large quantities…

Zünd can offer you a modular, flexible, cost-effective expandable cutting system for processing various materials with impeccable precision.

1 Carbonfiber
Woven, knitted or uni-directional textile structure. Single and multi-ply.

2 Honeycomb
Boards from paper, cardboard, plastics or aluminum.

3 Structural foam
Core-, sandwich-materials.

4 Prepreg
Pre-impregnated fiber. Semi-finished product of carbon or glass fibers and a non-hardened duro- or thermoplastic matrix.

5 Aramidfiber
Kevlar™ woven, knitted, or uni-directional textile structure. Single and multi-ply.
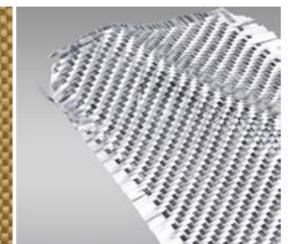
6 Glassfibers
Woven, knitted or uni-directional textile structure. Single and multi-ply.

A wide range of applications
demand maximum adaptability

| 1 | 2 | 3 | 4 | 5 | 6 |

Where the need for productivity meets a vast variety of materials

Zünd cutting systems are high-precision machines that are exceptionally reliable and require very little maintenance. They combine the latest in cutting technology with the powerful Zund Cut Center software to deliver remarkable productivity. To accommodate diverse applications and guarantee maximum flexibility at all times, tool changes can be performed in a few quick and easy steps.

Zünd cutters come in working widths up to 3.2 m/125". Automatic material-handling options, such as a range of roll-feed devices, facilitate processing of unwieldy and large-format rolls, e.g. PVC-film for truck tarps. Digitally cutting these flexible materials is significantly faster, more reliable, and reproducible than cutting them by hand. This results in maximum productivity.

1 PVC film
Printed or unprinted.

2 Garment fabrics
Cotton, polyester, velour, net, toweling materials, spacer- or micro fabrics.

3 Rip-Stop
Reinforced nylon fabrics.
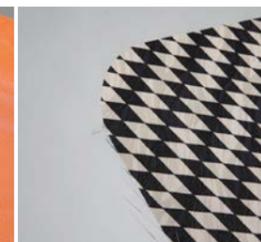
4 Balloon materials
Silk, polyester, polyamides.
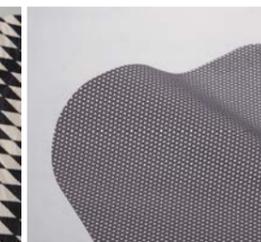
5 Awning materials
Coated polyester, cotton.

6 Felt materials
Non-woven cotton or synthetics.

Individual requirements
demand tailor-made solutions

1   2   3   4   5   6
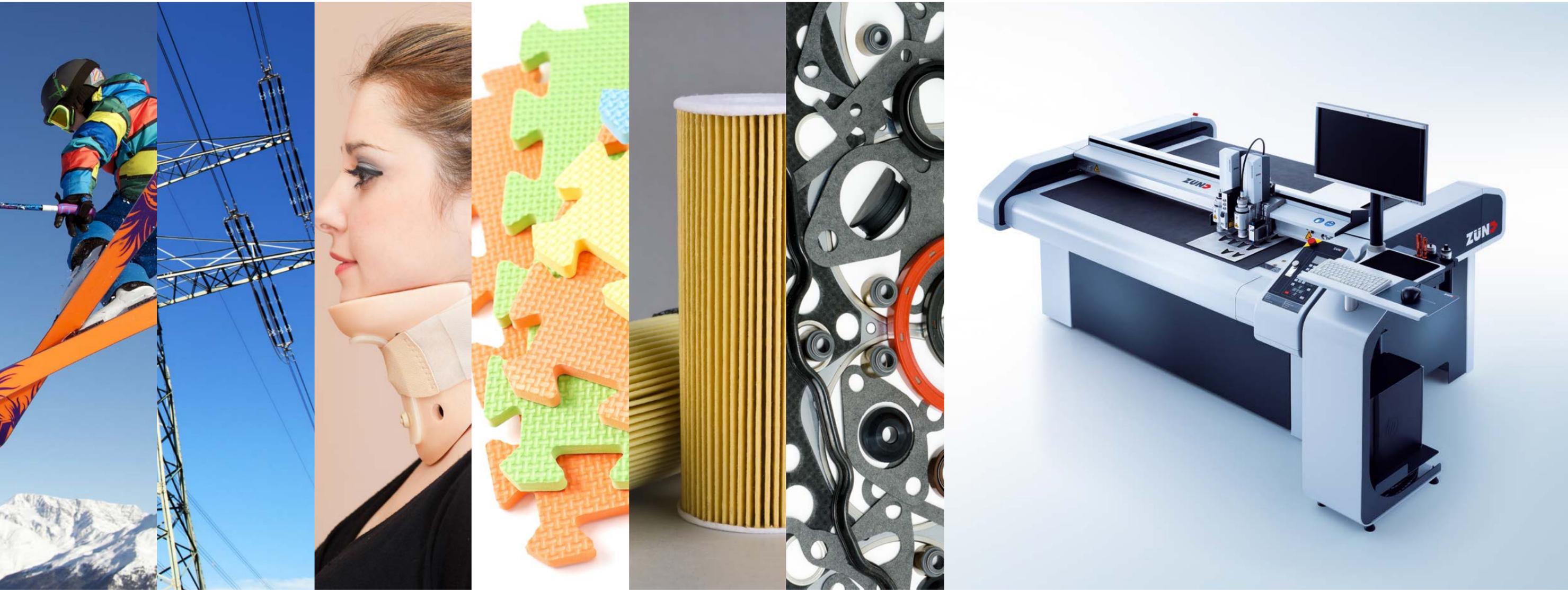
Where special project requirements meet extraordinary materials

Zünd cutters are modular by design. With their built-in flexibility, they can be configured to meet an exceptionally wide range of cutting requirements. G3 and S3 cutters comply with the highest safety standards and are UL-certified. Standardized and open interfaces allow for integration in any production workflow. Zünd Cut Center software is compatible with a broad range of file formats and can be integrated with other software platforms. Zünd offers robust, proven and thousand times installed cutting technology for industrial applications.

1 Synthetic materials
PE, PP, PUR, PVC.

2 Metal foils
Aluminum, copper foil.

3 Stretch fabrics
Elastane, spandex, spacer fabrics.

4 Foam material
Polystyrene, polyurethane, polypropylene.

5 Filter materials
Felt, synthetics, carbon, paper.

6 Gasket materials
Paper, graphite, rubber, silicone, cork.

A simple fact:
The cutter that keeps adapting to your needs

Are you ready for the future, ready to meet the challenges of ever-changing demand? Your Zünd cutter is. Zünd is the most modular, adaptable, easily upgradable cutting system on the market. This exceptional modularity permits easy, cost-effective changes and upgrades for whatever applications may arise and helps guarantee the longevity and security of your investment.

01/2018

ZÜND
swiss cutting systems