

# Tools, materials, applications.

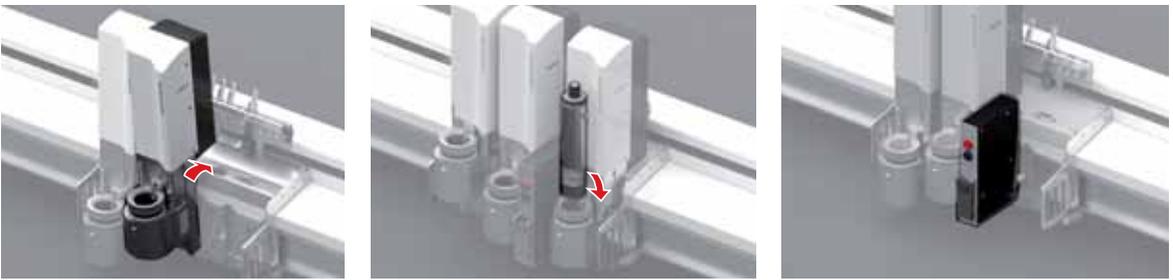
## G3 Digital Cutter

Advanced flatbed cutter/router for maximum productivity.



### One module, many tools, dozens of materials, hundreds of applications.

The Universal Module is at the very heart of Zund's modular cutting system, offering ultimate flexibility by accommodating a complete range of tooling options. It allows for just about any type of material to be processed with ease and precision. And to further expand on the Universal Module's many capabilities, a router module (e.g. for routing dense, rigid substrates), a punch module (e.g. for punching holes in leather materials), or a marking module (for part marking/identification) can be added to the G3 cutting system at any time



All cutting, creasing/scoring, drawing, and Braille fabrication tools shown below are inserts available for the Universal Module. The G3 cutting system can accommodate up to 3 Universal Modules at a time. With the revolutionary "twin-cut" system, it is even possible to have two modules cut simultaneously. An optional ICC camera can be added for vision registration capabilities and is freely combinable with all modules and all tools. The materials and applications shown below are merely a selection of the nearly endless possibilities the Universal Module has to offer.

### Universal Cutting Tool



For through-cutting materials up to a thickness of approx. 3mm/1/8". A spring-loaded glide shoe permits cutting very fine details. Optionally, a fixed glide shoe can be used for cutting at set depths, e.g. when cutting printing or coating blankets. With certain blade types maximum cutting speeds can be attained even when cutting rigid materials.



**Magnetic materials**



**Polypropylene**  
Thick plastic films, PE, PET, etc.



**Cardboard**  
Paperboard, chipboard, posterboard, matboard, paperstock, etc.



**Corrugated/honeycomb**  
Coroplast, Akyprint, etc.



**Custom magnets**



**Clear packaging**



**Shipping boxes**



**Light-weight boxes**

### Kiss-cutting Tool



With variable knife pressure, this tool is ideally suited for kiss-cutting thin materials to a liner. Materials up to 3mm/1/8" can be cut - most at maximum speeds. With the fixed glide shoe the correct cutting depth can be guaranteed even for reflective vinyl, etc.



**Decorative vinyl**  
Self-adhesive vinyl, window film, static cling, overlays, etc.



**Masking materials**  
Masking tape, masking film, sandblast stencil, airbrush film, etc.



**Reflective materials**  
Reflective vinyls, engineer-grade, high-intensity, diamondgrade, etc.



**Translucent materials**  
Perforated and translucent vinyls for vehicle wraps, window graphics, etc.



**Wrapped spherical sign**



**Sandblast stencil**



**Traffic signs**



**Vehicle wrap**

### Oscillating Cutting Tool (electric)



Ideal for cutting soft and medium-density materials up to 28mm/1" thick. Available with 0.5mm or 1mm stroke. The former (0.5mm stroke) is recommended for cutting materials up to 3mm/1/8" thickness at maximum speed. The tool with 1mm stroke is recommended for thicker materials.



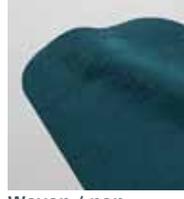
**Foam materials**  
Foamcore, foam composites, and similar materials, such as rubber, felt, etc.



**Corrugated cardboard**  
Single-wall corrugated board, carton, paperboard, etc.



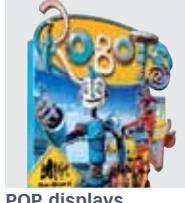
**Leather**  
Top-grain, shoe leather, sole materials, man-made leather, etc.



**Woven / non-woven materials**  
Felt, composites, prepreg, textiles, etc.



**3D Lettering**



**POP displays**



**Shoes**



**Felt tote bag**

### Oscillating Cutting Tool (pneumatic)



In comparison to the electric oscillating tool, the pneumatic (air-driven) oscillating tool is more powerful and therefore designed for cutting denser, tougher, and thicker materials up to 50mm/2".



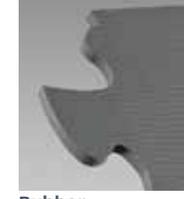
**Sandwich board**  
X-Board, Re-board, honeycomb, etc.



**Foam**  
Polystyrene and polyurethane foams, EPS, and similar materials



**Corrugated cardboard**  
Triple wall corrugated board, thick carton, etc.



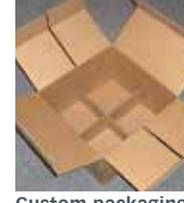
**Rubber**  
Natural rubber, silicone, latex, EVA foam, sponge rubber, etc.



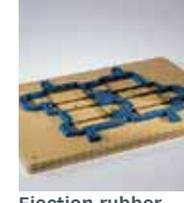
**Exhibits**



**Cushioning materials**



**Custom packaging**



**Ejection rubber**

### Driven Rotary Tool



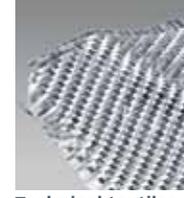
This tool is designed for cutting fibrous, porous materials, including fabrics, technical textiles, and composites. This driven rotary tool produces a clean cut at maximum speeds.



**Mesh**  
Translucent textiles, fabric banners, polyester, knits, etc.



**Textiles**  
PVC scrimmed banner materials, rubberized fabrics, Lycra, Spandex, etc.



**Technical textiles**  
Uni- and bidirectional carbon fiber, Kevlar, dry weaves, prepreg, etc.



**Balloon materials**  
PVC fabrics, rubberized and waterproof materials, synthetics, etc.



**Building wraps**



**Feather flags**



**Aircraft construction**



**Air dancers**

## V-cut Tool



The seemingly impossible made nearly commonplace: 3D structural designs with the V-cut tool. This unique tool is ideal for cutting extremely rigid sandwich board materials. Five different angles (0°, 15°, 22.5°, 30°, 45°) are possible. Depending on material density, thicknesses of up to 16mm/5/8" can be processed.



**Sandwich board**  
X-board, Re-board, dense honey-comb, and similar materials



**Foam composites**  
Foamboards, Kapaplast, Kapamount, Foam-X, Egafix, etc.



**Structural design**



**Brochure holder**

## 45-degree Bevel-Cutting Tool



Precision at a 45-degree angle - this tool can cut it! Especially for mat-cutting applications, clean, precise 45-degree bevel cuts are essential. Relative cutting mode (to the surface of the material) guarantees a high degree of depth control. The maximum material thickness for this tool is 5mm (3/16").



**Paperboard**



**Gray board**



**Matboard**



**Archival storage boxes**

## Creasing Tool Type 1



The crease tool type 1 is designed specifically for creasing multiple-wall corrugated cardboard and plastic materials up to thicknesses of 7mm/1/4". The large diameter of this type of crease wheel permits creasing of thicker materials cleanly and with considerable down pressure, without breaking or tearing the top sheet.



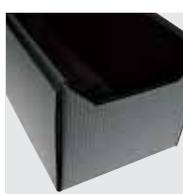
**Corrugated cardboard**  
Double-wall corrugated board, medium-weight packaging



**Honeycomb materials**  
Coroplast, Akypriest, etc.



**Corrugated box**



**Coroplast box**

## Creasing Tool Type 2



Several creasing wheels in different widths and radii are required for creasing/scoring paper, carton, polypropylene, and PVC materials. A complete set of tools is available for Type 2, ensuring perfect creases in a wide range of commonly used materials.



**Polypropylene**  
Softer, flexible plastics, thermoplastics, and similar materials



**Folding carton**  
Thick paper/card stock, folding carton, posterboard, etc.



**Packaging**



**Dispenser**

## Drawing Tool



The UDT (Universal Drawing Tool) can be used to draw or plot simple text, lines, and marks with a pen or marker. Drawing can occur in any direction/at any angle, in a variety of thicknesses. A variety of tools such as ballpoint, felt tip, and ink pens are available.



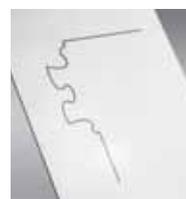
**Leather**  
Natural leather, synthetic leather, sole materials



**Paper, cardboard**



**Rubber**  
Gasket materials



**Teflon film**



**Shoes**



**Patterns, stencils, markers**



**Insulation**



**Building wraps**

## Raster™ Braille Tool



The raster method has emerged as the preferred method for producing tactile Braille signage for the blind and visually impaired. The Braille tool is fully compatible with both the G3 Universal Module and the PN-series TZ-modules. The process is quite simple: a router module routes the holes, and the Braille tool inserts balls to create raised dots.



**Wood**



**Aluminum**



**Acrylics**



**Plastics**



**Signage for the blind and visually impaired.**