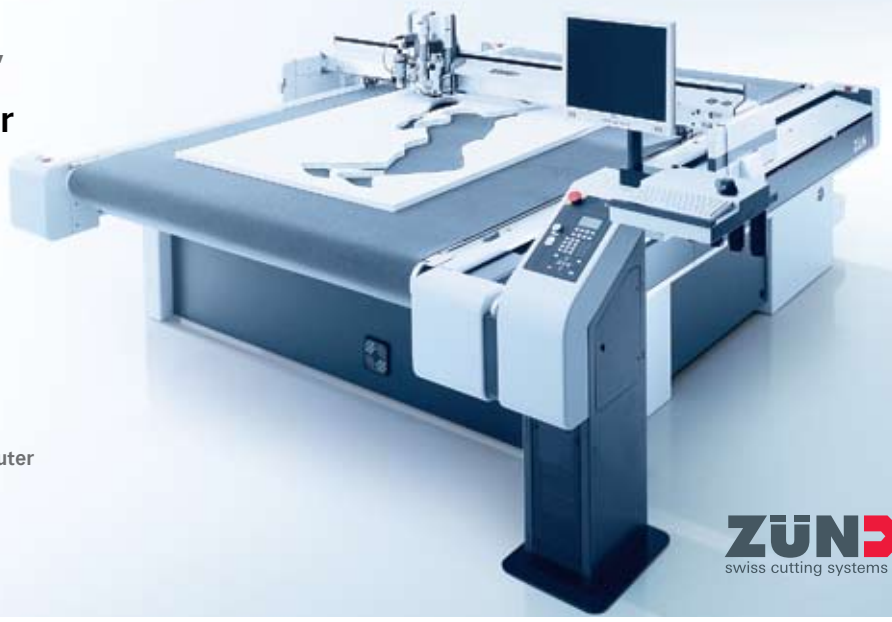


Tools, materials, applications.
G3 Digital Cutter

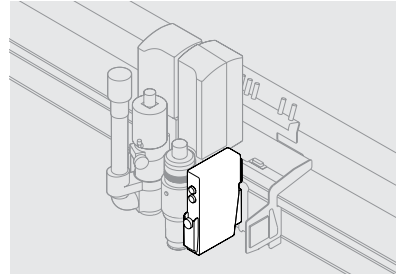
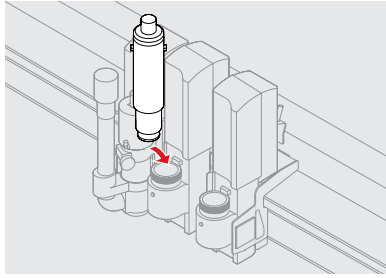
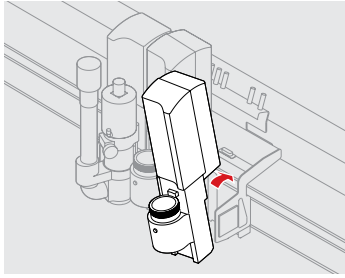


Advanced flatbed cutter/router for maximum productivity.



One cutter, several tools, dozens of materials, hundreds of applications.

No other machine can match the versatility and adaptability of the G3 modular cutter concept. Zünd G3 cutting/routing systems are optimally designed for 24/7 operation. They offer a combination of heavy-duty construction and superior accuracy that is completely unique in the marketplace. Unrestricted access from all sides maximizes efficiency of operation. All operator safety features are standard equipment with G3.



The cutting and creasing/scoring tools shown here can all be inserted into the Universal Module. The optional Zünd ICC camera can be freely combined with all tools, all modules. It is possible to use up to 3 Universal Modules simultaneously. The materials and applications listed here represent merely a selection of the most common ones – the possibilities provided by Zünd G3 are, of course, almost unlimited.

Universal cutting tool



For through-cutting materials up to a thickness of approx. 3 mm / 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.



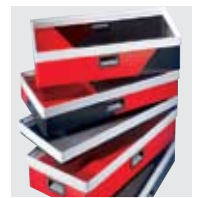
Custom magnets



Clear packaging



Shipping boxes



Light-weight boxes

Kiss-cutting tool



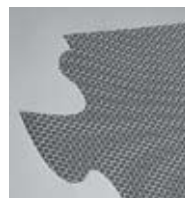
With variable knife pressure, this tool is ideally suited for kiss-cutting thin materials to a liner. Materials up to 3 mm / 1/8" can be cut – most at maximum speeds. An optional fixed glide shoe is available for cutting materials at set depths, e.g. reflective vinyls.



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 28 mm / 1" thick. Available with 0.5 mm or 1 mm stroke. The former (0.5 mm stroke) is recommended for cutting materials up to 3 mm / 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

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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 50 mm / 2".



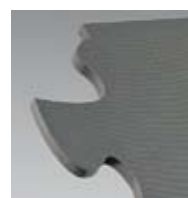
Sandwich board
X-Board, Re-board, honey-comb, etc.



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.



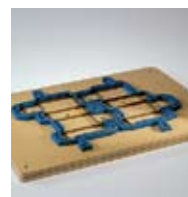
Exhibits



Cushioning materials



Custom packaging



Ejection rubber

Driven rotary tool



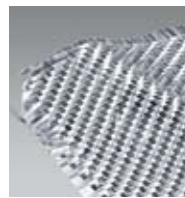
This tool is designed for cutting fibrous, porous materials, including fabrics, technical textiles, and composites. The driven rotary tool produces a clean cut at maximum speeds.



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

1 kW router



Exceptional speed, productivity, and versatility distinguish the Zünd router. The 1 kW spindle inserts into the routing module and is designed for routing hard, dense materials up to a max. thickness of 26 mm / 1", softer materials up to 50 mm / 2" thick. Thinner rigid materials (up to 5 mm / 3/16") can be routed considerably faster than with conventional CNC routers.



Rigid foam core
Gator foam, Forex board, expanded PVC, styrene, etc.



Acrylics
Plexiglas, PMMA, Lexan, polycarbonates, etc.



Aluminum composites
Di-bond, Alupalite, Alucore, Reynobond, rightBOND, and many others



Wood
MDF, MDO, pressboard, plywood, fiberboard, veneer, and other wood products



3D Displays



Acrylic furniture



Exhibits & kiosks



Table plate

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 at 15°, 22.5°, 30°, and 45° angles. Depending on material density, thicknesses of up to 16 mm / 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.



X-board



Brochure holder

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 7 mm / 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, Akyprint, 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