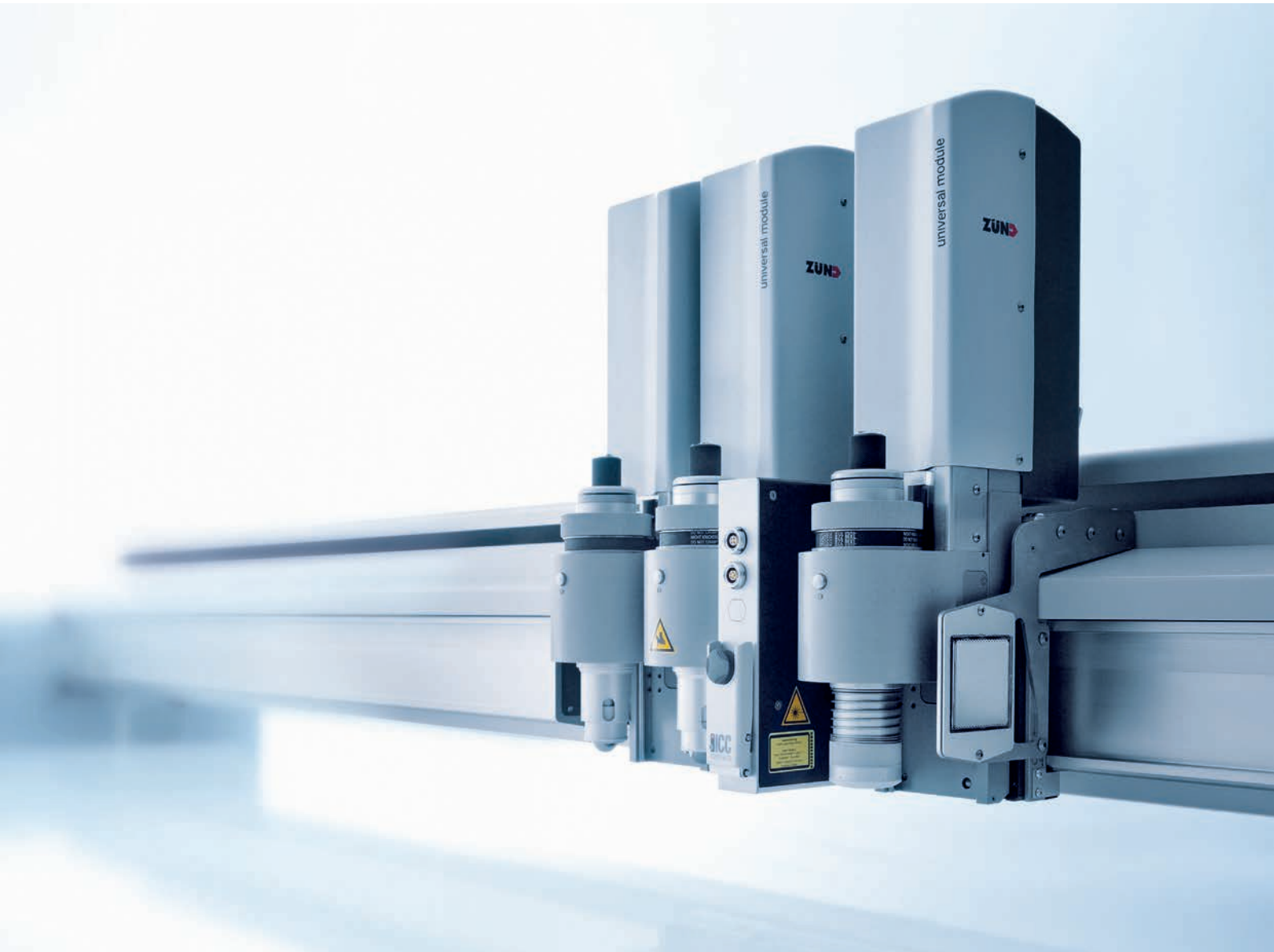


# Modules, tools and applications Zünd Digital Cutters



Your first choice in digital cutting.

# Cutting

## Universal Cutting Tool - UCT



Universal cutting tool for materials up to 5 mm/0.2" thick.

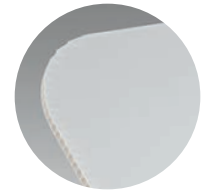
- Wide assortment of drag knives available
- Very high cutting speeds
- Compatible with **G3**, **S3**, **L3**



Magnetic materials



Carton



Honeycomb



Custom magnets



Packaging



Honeycomb box

## Electric Oscillating Tool - EOT



High-frequency oscillating tool for soft and medium-density, multi-layered materials.

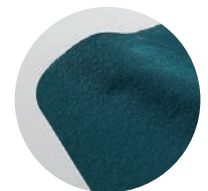
- Depending on application available with 0.5 mm or 1.0 mm stroke
- Perfect for cutting detailed contours
- Very high stroke frequency
- High cutting speeds
- Compatible with **G3**, **S3**, **L3**



Foam core



Leather



Felt



3D signs



Shoes



Handbags

## Pneumatic Oscillating Tool - POT



Powerful oscillating tool with extended stroke for cutting tough, dense materials up to 50 mm/2" thick.

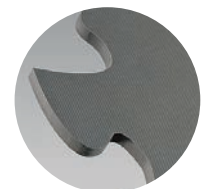
- Powerful oscillation with 8 mm stroke
- Robust, maintenance-free pneumatic drive
- Available in two versions for 0.6 mm or 1.5 mm blade thicknesses
- Compatible with **G3**, **S3**, **L3**



Foam



Corrugated cardboard



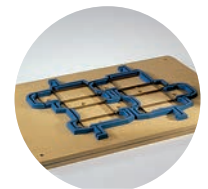
Rubber



Foam packaging



Packaging



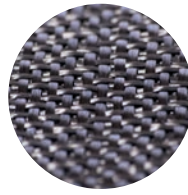
Cutting dies

## Power Rotary Tool - PRT

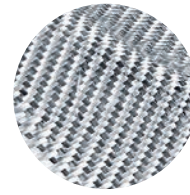


Robust, high-performance tool for technical textiles, carbon fiber and fiberglass.

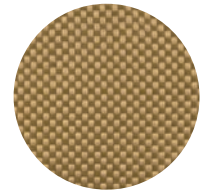
- Use of rotary blades reduces drag force exerted on material
- Choice of 3 RPM settings (16.000/12.000/8.000)
- Low-impact processing method for materials with low melting points
- High productivity, clean & accurate cuts
- Compatible with **G3**



Carbon fiber



Fiberglass



Aramid fiber



Automotive



Aerospace



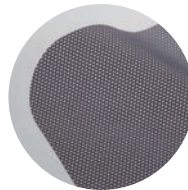
Defense

## Driven Rotary Tool - DRT



Cutting tool for fabrics and technical textiles. The driven rotary blade permits high processing speeds.

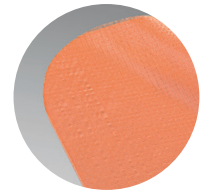
- Use of rotary blades reduces drag force exerted on material
- Two choices of RPM settings (20.000/12.000 RPM)
- Clean, complete separation of every cut fiber
- Compatible with **G3, S3, L3**



Mesh



Acrylic-coated polyester



Balloon silk



Building wraps



Awnings



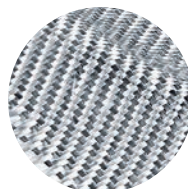
Air dancers

## Wheel Knife Tool - WKT



Low-maintenance tool for processing single-ply carbon fiber, fiberglass and technical textiles.

- High processing speeds
- Uses rotary HSS blades
- Requires no vacuum hold-down
- Clean, efficient cutting process
- Special PU cutting underlay
- Compatible with **G3**



Fiberglass



Sail cloth



PVC



Windmill blades



Sails



Sun sails

## Scoring Cutting Tool - SCT



Combination tool for scoring and cutting cardboard and printing blankets up to 5 mm thick.

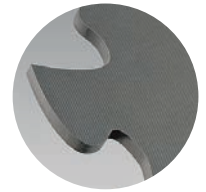
- Very high processing speed
- Air-driven blade
- Accommodates all flat-stock blades Zünd offers
- Spring-loaded glideshoe available as option
- Compatible with **G3**, **S3**



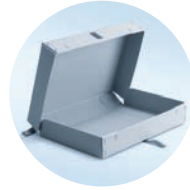
Cardboard



Coating blankets



Rubber



Archival boxes



Coating blankets



Cutting dies

## V-Cut Tool - VCT

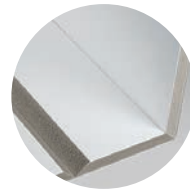


Tool with 5 cutting angles. Creates complex 3D structural designs from foamcore and sandwich board.

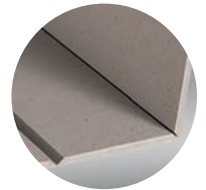
- Simple, precise angle adjustment
- Cuts at 5 different angles (0°, 15°, 22.5°, 30°, 45°)
- Quick blade changes
- Compatible with **G3**, **S3**



Sandwich board



Foam-core materials



Carton



Furniture



Exhibits



Standees

## Passepartout Tool - PPT

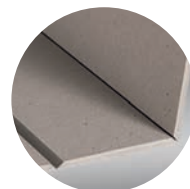


45° high-quality angle cuts.

- Precise depth control
- Adjustment guide included
- Cuts cardboard and polymers up to 5 mm thick
- Compatible with **G3**, **S3**



Carton



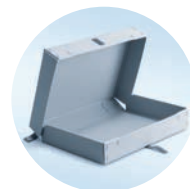
Gray board



Cardboard



Framing



Archival boxes



Mats

# Kiss-Cutting

## Kiss-Cut Module - KCM-S

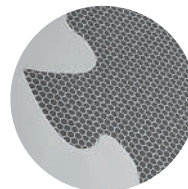


High-precision kiss-cutting with precise pressure control.

- Kiss-cutting and through-cutting of all common pressure-sensitive films, vinyls, etc.
- Clean, precise separation of pressure-sensitive materials without damage to liner
- Compatible with **S3**



Adhesive foil



Reflective vinyl



Pressure-sensitive vinyl

## Kiss-Cut Tool - KCT



Kiss-cutting tool with adjustable cutting pressure for various vinyls & films.

- Two processing methods: kiss-cut + through-cut
- Max. material thickness: 3 mm
- Precise depth control
- Perfect separation of film and liner material
- Special glideshoe for processing Diamond Grade vinyl
- Compatible with **G3, S3**



Vinyl graphics



Traffic signs



Vehicle graphics

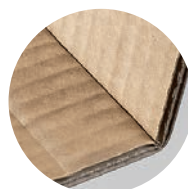
# Creasing

## Creasing Tools - CTT1/2/3

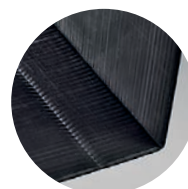


Creates a variety of materials. Separate pressure adjustments for creasing with or against corrugation.

- Clean creases without tearing
- Compatible with **G3, S3**



Corrugated board



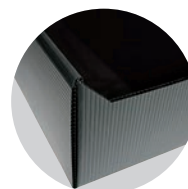
Corrugated plastic



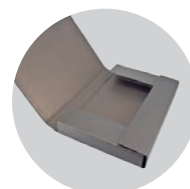
Carton



Corrugated packaging



Twin-wall box



Folders

# Routing & engraving

## Router Module - RM-A



Universal routing module equipped with powerful, high-frequency spindle.

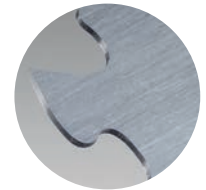
- Active air cooling, efficient dust extraction
- Surface compensation for consistent cutting depth
- Optional MQL Minimal Quantity Lubrication for processing softer aluminum alloys
- Designed for 24/7 production
- 1 kW high-frequency spindle for high processing speeds
- Compatible with **G3**



Acrylics



Rigid foamcore



Aluminum

## Universal Routing Tool - URT



Cost-effective routing/engraving tool.

- Routing and engraving with one tool
- Consistent, precise control of routing depth
- 300 watt router spindle with up to 80.000 RPM
- Stepless adjustable speeds
- Wide assortment of Zünd router bits available
- Compatible with **G3, S3, L3**



Acrylic furniture



3D displays



Engraved signs

# Punching & perforating

## Punch Modules - PUM



High-performance tool for perforating leather, rubber and textile materials at speeds up to 8 holes per sec.

- Depending on module version, available with marking or pricking options
- Excellent, consistent hole quality
- Numerous Zünd punch inserts available
- Punch diameters from 0.5 - 5.5 mm  $\varnothing$

**PUM:** 2 punch tools, 1 marking unit **G3**

**PMM-S:** 2 punch tools, 1 marking unit **S3, L3**

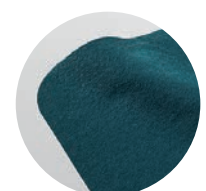
**PPM-S:** 2 punch tools, 1 pricking needle **S3, L3**



Textiles



Leather



Felt

# Marking & plotting

## Marker Modules - MAM



Marking and labelling of various materials with widely available pen inserts.

- Simple handling
- Plotting of dielines, seams, patterns, guidelines
- Numerous inexpensive drawing tools available from Zünd

**MAM-S:** 1 marking tool, pneumatic **G3**

**MAM-D:** 2 marking tools, pneumatic **G3**

**MAM-SE:** 1 marking tool, electric **S3**

**MAM-SP:** 1 marking tool, pneumatic **S3**

**MAM-SPS:** 1 marking tool, pneumatic **S3, L3**

**MAM-SPD:** 2 marking tools, pneumatic **S3, L3**



Rubber



Leather



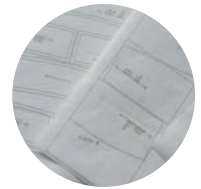
Paper



Roof gasket



Shoes



Pattern

## Universal Drawing Tool - UDT



Drawing/plotting tool with use of widely available inserts in various line widths.

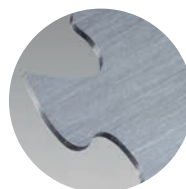
- Drawing/plotting of guidelines, line symbols, text, etc.
- Compatible with **G3, S3**

## Raster Braille Tool - RBT



Efficient processing method for creating tactile signage (Braille).

- Secure fit of spheres in substrates
- Compatible with **G3, S3**



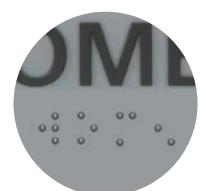
Aluminum



Wood



Plastics



Signage for the blind and visually impaired.

# Universal Modules

## Universal Modules - UM

Universal modules for wide range of tools.

- Exceptionally quick tool changes
- Tool recognition
- Two processing modes: pressure/position

**UM-S:** Standard Universal Module **S3, L3**

**UM-ZS:** High-speed Z-axis **G3**

**UM-ZP:** High-powered Z-axis **G3**

**UM-60L:** Especially for use with large-diameter tools **G3**



10/2013

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