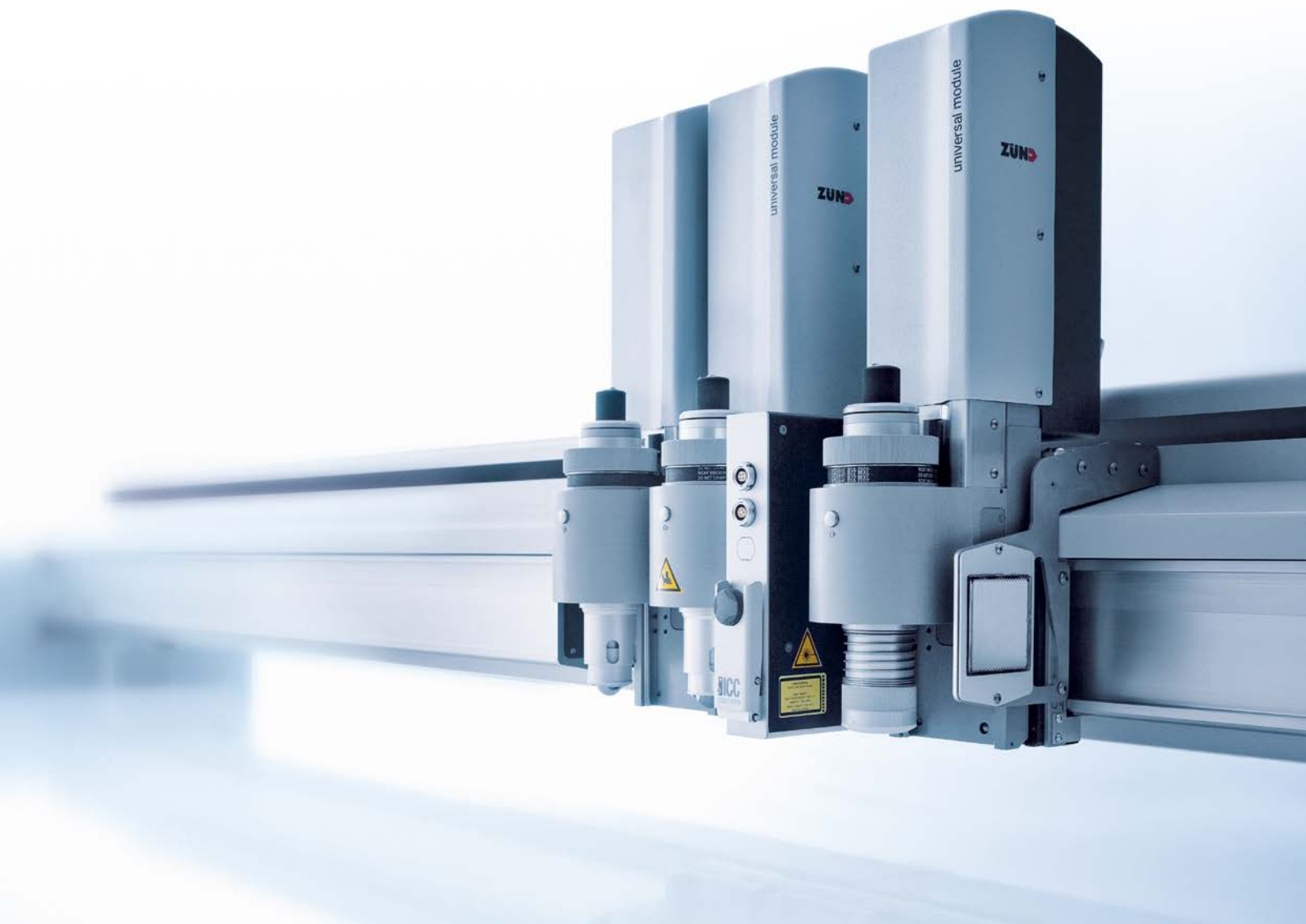


Modules, tools, and applications

Zünd Digital Cutter



Your first choice in digital cutting.

Cutting

Electric Oscillating Tool – EOT



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

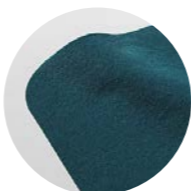
- Depending on application, available with 0.5 mm or 1.0 mm stroke
- Perfect for cutting detailed contours
- Very high stroke frequency
- High processing speeds
- Compatible with **G3**, **S3**, **L3**, **D3**



Foamcore



Leather



Felt



3D signage



Shoes



Handbags

Electric Oscillating Tool – EOT-250



Powerful tool with high-performance electric drive for processing thick cardboard and leather materials.

- 2.5 mm stroke
- Very high processing speeds
- Wide range of Zünd oscillating blades available
- Compatible with **G3**, **S3**, **L3**, **D3**



Sandwich board



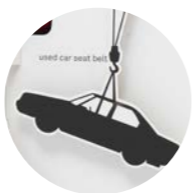
Folding carton



Leather



Furniture



3D displays



Shoes

Pneumatic Oscillating Tool – POT



Powerful oscillating tool with extended stroke for cutting tough, dense materials up to 50 mm / 4.3 in thick.

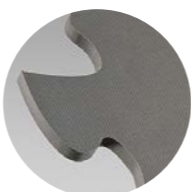
- Powerful oscillation with 8 mm stroke
- Robust, maintenance-free pneumatic drive
- Two versions available for 0.6 mm or 1.5 mm blade thicknesses
- Compatible with **G3**, **S3**, **L3**, **D3**



Foam



Corrugated cardboard



Rubber



Foam inserts



Containers



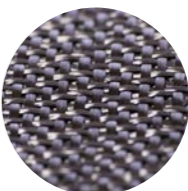
Cutting dies

Power Rotary Tool – PRT

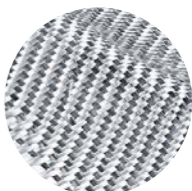


Robust, powerful tool for technically demanding textiles, carbon and glass fiber materials.

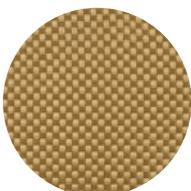
- Use of rotary blades reduces drag force
- Choice of 3 RPM levels (16.000/12.000/8.000)
- Low-impact processing of materials with low melting points
- High throughput and clean, precise cuts
- Compatible with **G3**, **D3**



Carbon fiber



Glass fiber



Aramid fiber



Automotive industry



Aerospace industry



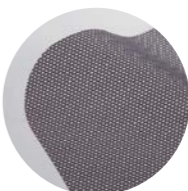
Defense industry

Driven Rotary Tool – DRT



Tool for processing technical textiles and fabrics. The motor-driven rotary blade allows for very high processing speeds.

- Use of rotary blades reduces drag force
- Choice of 2 RPM levels (20.000/12.000)
- Clean separation of each individual fiber
- Compatible with **G3**, **S3**, **L3**, **D3**



Netting



Acrylic



Balloon silk



Building wraps



Awnings



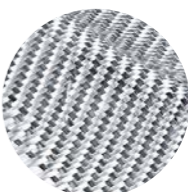
Air dancers

Wheel Knife Tool – WKT



Low-maintenance tool for processing single-ply glass and carbon fiber as well as technically demanding textiles.

- High cutting speeds
- Uses rotary, high-speed steel blades (HSS)
- Processing possible without vacuum hold-down
- Clean and efficient processing method
- Special polyurethane (PU) cutting underlay
- Compatible with **G3**, **D3**



Glass fiber



Sail cloth



PVC



Wind turbine blades



Sails



Shade sails

Universal Cutting Tool – UCT



Universal cutting tool for materials up to 5 mm thick.

- Wide range of drag knives in Zünd accessory range
- Very high processing speeds
- Compatible with **G3**, **S3**, **L3**, **D3**



Magnetic materials



Folding carton



Honeycomb



Magnets



Packaging



Corrugated box

Scoring Cutting Tool – SCT



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

- Very high processing speeds
- The blade is extended/retracted pneumatically
- Can be used with all flat-stock drag knives Zünd offers
- Spring-loaded glideshoe available as option
- Compatible with **G3**, **S3**, **D3**



Folding carton



Printing blankets



Rubber



Archiving boxes



Printing blankets



Cutting dies

V-Cut Tool – VCT



Tool with 5 different cutting angles. Capable of producing complex structural designs from foamcore or honeycomb display board materials.

- Simple, precise angle settings
- Cuts materials up to 16 mm / .63 in thick at five different angles (0°, 15°, 22.5°, 30°, 45°)
- Very quick blade changes
- Compatible with **G3**, **S3**, **D3**



Sandwich board



Foamcoreboards



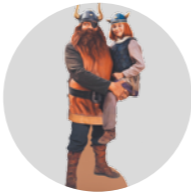
Folding carton



Furniture



Trade-show booth



POP displays

Passepartout Tool – PPT



Precise, consistently high-quality 45° angle cuts.

- Precise control of cutting depth
- Adjustment gauge included
- Processes cardboard and polymer materials up to 5 mm / .19 in thick
- Compatible with **G3**, **S3**, **D3**



Cardboard



Gray board



Folding carton



Picture frames



Archiving boxes



Picture mats

Laser Module – LM 100W



Laser module for cutting polyester fabrics and simultaneously sealing edges (Cut & Seal).

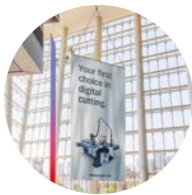
- CO₂ 100 W laser
- For polyestertextiles, thicknesses up to 2 mm
- Sealed edges prevent fraying
- Class 1 laser (safe under all conditions of normal use)
- Compatible with **G3**



Polyester textiles



Roll-ups



Flags, banners



Exhibits, displays

Kiss-Cutting

Kiss-Cut Module – KCM-S

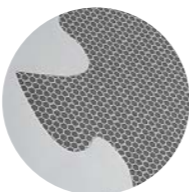


Accurate kiss-cutting through precise, electronically controlled cutting pressure.

- Kiss-cutting and through-cutting of all commonly used vinyl/films
- Clean separation of self-adhesive vinyl without damage to liner material
- Compatible with **S3**



Decorative films



Reflective films



Self-adhesive vinyls



Vinyl graphics



Traffic signs



Vehicle graphics

Kiss-Cut Tool – KCT



Kiss-cutting tool with adjustable pressure for processing many different types of vinyl.

- Two processing methods:
Kiss-Cut + Through-cut
- Max. material thickness: 3 mm
- Precise control of cutting depth
- Clean separation of vinyl from liner material
- Special glideshoe available for processing Diamondgrade vinyl
- Compatible with **G3, S3, D3**

Perforating

Perforating Tool Type 1 – PTT1



Ideal tool for creating precise perforations.

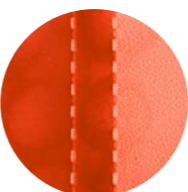
- Suitable for e.g. wallpaper, folding carton, polypropylene, films
- High-quality perforating
- High processing speed
- Wide range of perforating knives available from Zünd
- Compatible with **G3, S3, D3**



Corrugated cardboard



Folding carton



Polypropylene



Folded box



Tissue box



Business card wallet

Creasing

Creasing Tool Type 1 – CTT1



The CTT1 is the optimal tool for processing single-wall corrugated board.

- Creases without tearing
- Pressure settings are individually controllable, with or against the corrugation
- Crease wheels simply snap in place in the tool holder
- Crease wheel diameter: 61 mm / 2.4 in
- Crease wheel width: 20 mm / .79 in
- Compatible with **G3, S3, D3**



Corrugated cardboard, single-wall



Containers, boxes, packaging



Creasing Tool Type 2 – CTT2

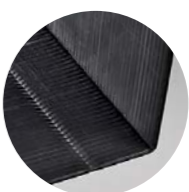


Universal creasing tool for carton, polypropylene, or honeycomb materials

- Creases without tearing
- Individually controllable pressure settings
- Compatible with **G3, S3, D3**



Folding carton



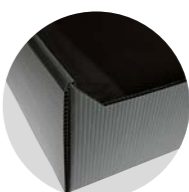
Corrugated plastic



Polypropylene



Folders



Corrugated box



Document wallet

Creasing Tool Type 3 – CTT3



The CTT3 is the optimal tool for processing double-wall corrugated board.

- Creases without tearing
- Individually controllable pressure, with or against corrugation
- Crease wheels simply snap in place in the tool holder
- Crease wheel diameter: 90 mm / 3.5 in
- Crease wheel width: 28 mm / 1.1 in
- Optional with extended insert sleeve for cutters with 120 mm / 4.7 in beam height
- Compatible with **G3, D3**



Corrugated cardboard, double-wall



Containers, boxes, POS displays



Routing & engraving

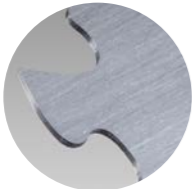
Router Modules – RM

The centerpiece of all Zünd router modules is a high-performance, high-frequency spindle. Depending on applications and requirements, versions from 1 to 3.6 kW are available.

- Routing, engraving, polishing with one and the same module
- Capable of processing a wide range of materials
- Active cooling for reliable heat dissipation
- Efficient dust extraction for clean operation
- Designed for 24/7 operation
- Wide assortment of Zünd router bits available



Wood



Aluminium



Foam



Composites



Acrylic



Hard foam



MDF-board



Plastic



Soft foam



Router Module – RM-L

- 3.6 kW router spindle with pneumatic clamping system
- Routing depth up to 50 mm
- Collet holders HSK-E25 for bits with shaft Ø up to 10 mm
- Integrated Minimal Quantity Lubrication - MQL for processing aluminium/ACM
- Surface compensation for precise routing despite variances in material thickness
- Compatible with Automatic Router bit Changer – ARC HSK
- Compatible with **G3**, **D3**



Router Module – RM-A / RM-A QC

- 1 kW router spindle, optionally with manual or pneumatic collet
- Routing depth up to 50 mm
- Optional Minimal Quantity Lubrication - MQL for processing aluminium/ACM
- Surface compensation for precise routing despite variances in material thickness
- For bits with shaft Ø up to 6 mm (RM-A) or 6 mm with stop ring (RM-A QC)
- With pneumatic collet, compatible with Automatic Router bit Changer – ARC
- Compatible with **G3**, **D3**



Router module – RM-S

- 1 kW router spindle with manual collet
- Routing depth up to 25 mm
- Optional Minimal Quantity Lubrication - MQL for processing aluminium/ACM
- Surface compensation for precise routing despite variances in material thickness
- For bits with shaft Ø up to 6 mm
- Compatible with **S3**



Router module – RM-120

- 1 kW router spindle with manual collet
- Ideal module for processing foam materials up to 110 mm / 4.3 in thick
- Routing up to 50 mm / 2 in deep pockets
- For bits with shaft Ø up to 6 mm
- Compatible with **G3** cutters with 120 mm beam height

Universal Routing Tool – URT



Cost-effective routing and engraving tool.

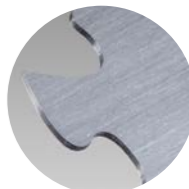
- Routing and engraving with a single tool
- Consistent, precise control of routing depth
- 300 Watt router spindle with up to 80.000 rpm
- Continuously adjustable speed
- Wide assortment of Zünd router bits available
- Compatible with **G3**, **S3**, **L3**, **D3**



Acrylic



Hard foam



Aluminium



Acrylic furniture



3D displays



Engraved signage

Automatic Router Bit Changer – ARC



Efficient system for automating router bit changes – from selecting the right bit to clamping, initializing and bit cleaning.

- Dramatic reduction in time spent changing bits
- Maximum routing efficiency and profitability
- Automatic cleaning with every bit change
- Pneumatically controlled cover protects magazine from routing dust and debris
- In conjunction with ZCC software, automatic records of usage and application data for each bit provide superior quality control
- Compatible with **G3**

ARC

- Magazine accommodates 8 bits (6 standard bits, 2 v-groove bits)
- Compatible with RM-A QC

ARC HSK

- Magazine accommodates 8 bits with HSK collet holders
- Compatible with RM-L

Punching

Punch Modules – PUM



High-performance tools for perforating leather materials, rubber, and textiles, capable of punching up to 8 holes per second.

- Depending on module, either with marking unit or with pricking needle
- Produces consistently high-quality holes
- Wide range of punch inserts available from Zünd
- Punch tools with diameters 0.5 - 5.5 mm Ø

PUM: 2 punch tools, 1 marking tool (G3, D3)
PM-S: 2 punch tools, 1 marking tool (S3, L3)
PPM-S: 2 punch tools, 1 pricking needle (S3, L3)



Textiles



Leather



Felt

Universal carrier module

Universal Modules – UM



Universal carrier modules for a wide range of tools.

- Particularly fast tool change
- Tool detection
- Two operating modes: Pressure/position

UM-S: high-speed Z-axis (S3, L3)
UM-ZS: high-speed Z-axis (G3, D3)
UM-ZP: high-powered Z-axis (G3, D3)
UM-120: for cutters with 120 mm / 4.7 in beam height (G3)
UM-60L: for accommodating large tools (G3, D3)



Marking & plotting

Marker Modules – MAM



Marking and labeling of wide range of materials with commonly available pen inserts.

- Simple handling
- Plotting/drawing of die-lines, seams, patterns, guidelines
- Wide assortment of cost-effective drawing tools available from Zünd

MAM-S: 1 drawing tool, pneumatic (G3, D3)
MAM-D: 2 drawing tools, pneumatic (G3, D3)
MAM-SE: 1 drawing tool, electric (S3)
MAM-SP: 1 drawing tool, pneumatic (S3)
MAM-SPS: 1 drawing tool, pneumatic (S3, L3)
MAM-SPD: 2 drawing tools, pneumatic (S3, L3)



Rubber



Leather



Paper



Roofing insulation



Shoes



Patterns

Universal Drawing Tool – UDT



Drawing tool for use with widely available, standard pen inserts in various line thicknesses.

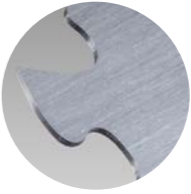
- Drawing/plotting of assembly markers, dash symbols, lettering, etc.
- Compatible with G3, S3, D3

Raster Braille Tool – RBT



Efficient method for producing Braille (raised marking system for the blind).

- Secure fit of spheres in the substrate
- Compatible with G3, S3, D3



Aluminum



Wood



Plastic



Signs for the blind or visually impaired

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