Modules, tools and applications
Zünd Digital Cutter

Your first choice in digital 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

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

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

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 (16,000/12,000/9,000)
- Low-impact processing of materials with low melting points
- High throughput and clean, precise cuts
- Compatible with G3, D3

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

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

Cutting materials:
- Foamcore
- Leather
- Felt
- 3D signage
- Shoes
- Handbags
- Sandwich board
- Folding carton
- Leather
- Furniture
- 3D displays
- Shoes
- Foam
- Corrugated cardboard
- Rubber
- Foam inserts
- Containers
- Cutting dies
- Carbon fiber
- Glass fiber
- Aramid fiber
- Automotive industry
- Aerospace industry
- Defense industry
- Netting
- Acrylic
- Balloon silk
- Building wraps
- Awnings
- Air dancers
- 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.

- Very high processing speeds
- Wide range of drag knives in Zünd accessory range
- Spring-loaded glideshoe available as option
- Compatible with G3, S3, L3, D3

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

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

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
Picture frames
Archiving boxes
Picture mats
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 vinyls/films
- Clean separation of self-adhesive vinyl without damage to liner material
- Compatible with S3

**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 glide-shoe 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

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 / 0.79 in
- Compatible with G3, S3, D3

**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

**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
Routing & engraving

Universal routing tools, equipped with a powerful, high-frequency spindle.

- Actively air-cooled, highly effective dust extraction
- Designed for 24/7 operation
- 1 kW high-frequency spindle for very high processing speeds
- Wide assortment of Zünd router bits available

**RM-A**
- Routing depth up to 50 mm / 2 in
- Surface compensation for consistent cutting depths
- Router spindle optionally with manual or pneumatic collet
- Optional Minimal Quantity Lubrication - MQL for processing softer aluminum alloys
- Compatible with **G3**

**RM-S**
- Routing depth up to 25 mm / 1 in
- Surface compensation for consistent cutting depths
- Router spindle with manual collet
- Optional Minimal Quantity Lubrication - MQL for processing softer aluminum alloys
- Compatible with **S3**

**RM-120**
- Ideal module for processing foam materials up to 110 mm / 4.3 in thick
- Routing up to 50 mm / 2 in deep pockets
- Router spindle with manual collet
- Compatible with **G3** cutters with 120 mm / 4.7 in 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**

**Automatic Router Bit Changer - ARC**

Efficient, fully automated tool changing system.

- Magazine accommodates 8 bits (6 standard bits, 2 v-groove bits)
- Bits are cleaned automatically with each tool change
- Pneumatically controlled cover protects the magazine from dust and routing debris
- To maximize quality and consistency, the system records usage and application data for each bit used
- Compatible with **G3**
### Punching

#### Punch Modules

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

#### Universal carrier module

Universal carrier modules for a wide range of tools.

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

**Universal Modules**

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

#### Marking & plotting

#### Marker Modules

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

**Marker Modules**

- **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, L3)
- **MAM-SPS:** 2 drawing tools, pneumatic (S3, L3)

#### Universal Drawing Tool - UDT

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

- Drawing/drawing of assembly markers, dash symbols, lettering, etc.
- Particularly fast tool change
- Tool detection
- Two operating modes: Pressure/position

**Universal Drawing Tool - UDT**

- **UM-S:** high-speed 2-axis (S3, L3)
- **UM-ZS:** high-speed 2-axis (G3, D3)
- **UM-ZP:** high-powered 2-axis (G3, D3)
- **UM-120:** for cutters with 120 mm / 4.7 in beam height (G3)
- **UM-60L:** for accommodating large tools (G3, 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

**Raster Braille Tool - RBT**

- **Rubber**
- **Leather**
- **Paper**
- **Roofing insulation**
- **Shoes**
- **Patterns**
- **Aluminum**
- **Wood**
- **Plastic**
- **Signs for the blind or visually impaired**