

Driven Rotary Tool - DRT

The „Driven Rotary Tool“ (DRT) provides an economical and reliable single-ply cutting method for textiles and industrial fabrics.

Materials suitable for processing with the DRT include woven and non-woven fabrics made from natural or synthetic fiber; coated, printed, or otherwise enhanced or decorated (e.g. embroidered) textiles.

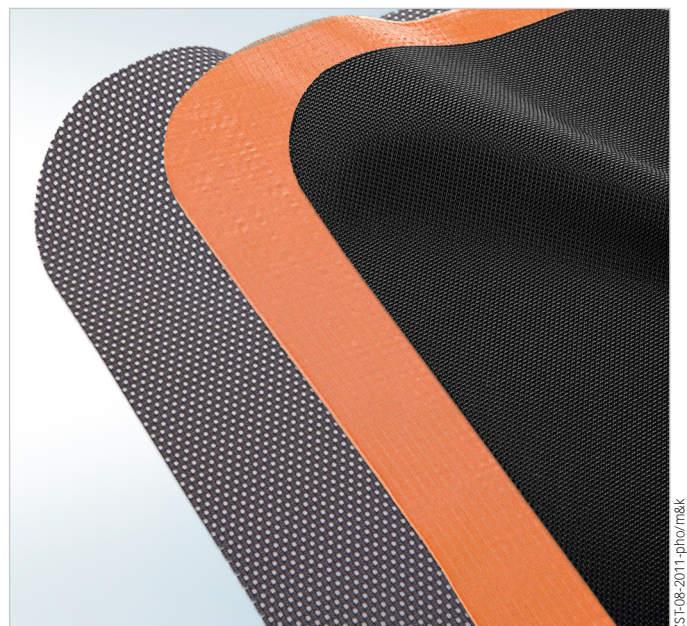
The tool uses a decagonal blade to cut the material. The user can choose between a “low” and “high” RPM setting; the former facilitates cutting of materials with lower melting points.

Cutting textiles with a rotary blade offers advantages over other cutting methods such as oscillating cutting and cutting with a drag knife. First and foremost, the rotary blade produces considerably less drag force on the material, resulting in a clean cut of each individual fiber. Particularly with coarsely woven materials, this is the only way to achieve a precise cut at high cutting speeds.

Zünd recommends the following materials for cutting with the DRT:

- Clothing fabrics
- Home textiles (upholstery, bedding, curtains, lampshades, etc.)
- Industrial fabrics (banners, awnings, tarps)

Note: For cutting tougher technical textiles and composites with carbon, glass, or Aramid fiber content, we recommend using the more heavy-duty PRT “Power Rotary Tool” instead of the DRT.



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Specifications

Cutting speeds up to 1000 mm/40" per sec.
Choice of rotation settings: 20,000 RPM (high), 12,000 RPM (low)
Accommodates all Zünd rotary blades: <ul style="list-style-type: none"> • 3910335, Z50 (Ø 25 mm) • 3910336, Z51 (Ø 28 mm) • 3910337, Z52 (Ø 32 mm)
DRT supported by cutter firmware from rel. V1.42.
DRT supported by ZCC from rel. V1.3.

Customer benefits

High productivity with cutting speeds up to 1000 mm/40" per sec.
High cut quality and precision even with coarsely woven materials (tool prevents moving/skipping of individual fibers).
Ability to process wide range of textiles.
Suitable for single-ply cutting.

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