

Power Rotary Tool – PRT

The robust and powerful Power Rotary Tool - PRT is designed for cutting challenging fibrous materials inexpensively and reliably.

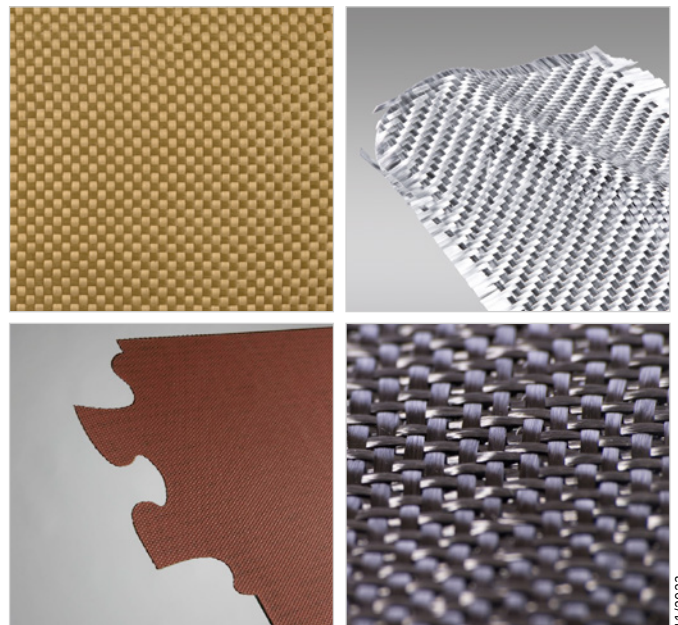
Suitable for cutting with the PRT is a range of materials, including fiberglass and aramid. The tool can be set at 3 different rpm levels, i.e. at 100%, 75%, or 50% of the maximum. This allows for cleanly cutting tough materials as well as those with lower melting points. The PRT consists of a cutting assembly and a connector unit; it inserts into the Universal Module UM-60.

Pressurized air keeps the cutting assembly free of residual fibers and other debris and also cools the motor. Tooth-belt driven, segmented rotary blades serve as cutting tools and are user-exchangeable. To guard against overheating, the temperature of the tool is monitored continually. The cutter displays an error message if temperature levels exceed safe limits. This makes

the PRT ideal for industrial applications that may require prolonged usage in multiple shifts.

Recommended applications for the PRT are:

- Various textiles
- Woven/non-woven composites (aramid, fiberglass, carbon fiber)



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Details

Choice of three rotation speeds:

- 100 %: 16000 RPM
- 75 %: 12000 RPM
- 50 %: 8000 RPM

Max. cutting speed: 1000 mm/s / 40 in/s.

Max. material thickness with Z52 blade (Ø 32 mm):
Material clearance 30 mm: 19 mm / 3/4"
Material clearance 60 mm: 49 mm / 1.9"

Max. Thickness for multi-ply cutting with Z52 blade (Ø 32 mm): 7/32"

Compressed air requirements: approx. 17 Nl/min.

Compatible with all Zünd rotary blades:
3910335, Z50 (Ø 25 mm)
3910336, Z51 (Ø 28 mm)
3910337, Z52 (Ø 32 mm)

Not suitable for the use with a glide disc. The curved bottom of the cutting unit serves as a glide disc.

Compatible with **G3**, **D3**.

Advantages at a glance

Ability to process a wide range of difficult-to-cut materials, including those with low melting points.

Robust, durable construction designed for industrial applications.

Higher capacity and greater torque than DRT.

Multi-ply cutting possible up to a total thickness of 5.5mm / 7/32in.

Use of multiple cutting assemblies possible for greater flexibility and reduced idle time.

Optional vacuum extraction system available for removing cutting debris directly at the blade.

Fully supported in Zünd Cut Center Software.