

Power Rotary Tool - PRT

The robust and powerful Zünd "Power Rotary Tool" (PRT) is designed for cutting challenging fibrous materials inexpensively and reliably.

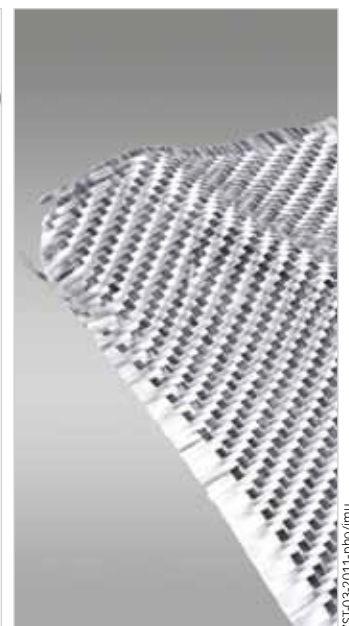
Suitable for cutting with the PRT is a range of materials, including fiberglass and aramid. The tool can be set at 3 different rpm levels, i.e. at 100%, 75%, or 50% of the maximum. This allows for cleanly cutting tough materials as well as those with lower melting points.

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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Specifications

Available only for G3.

8,000 – 16,000 RPMs, selectable at 100%, 75%, and 50% of max.

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

Max. material thickness with Z52 blade (Ø 32 mm):

- Beam clearance 30mm / 1": 19 mm / 3/4"
- Beam clearance 60 mm/2": 49 mm / 1.9"

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

Compressed air requirements: approx. 17 NI/min.

Compatible with all Zünd rotary blades:

- 3910335, Z50 (Ø 25 mm)
- 3910336, Z51 (Ø 28 mm)
- 3910337, Z52 (Ø 32 mm)

PRT supported by cutter firmware from rel. V1.47.

PRT supported by ZCC from rel. V1.3.

Benefits

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

Robust, durable construction designed for industrial applications.

Higher capacity, greater torque than DRT (driven rotary tool).

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

Compatible with Zünd DRT blades.

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

Optional vacuum extraction system available for removing cutting debris.

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