

DIAMOND WIRE SAWS

Saws with wire on spool TWO-WAY-CUT

Our two-way diamond wire saws work with a spool wire, which is wound onto the wire drum nearly fully automatically. During the separating cut, the diamond wire moves alternately forwards and backwards over the entire length of the wire. This enables a small machine design despite an occupancy of 20 or 30 meters of diamond wire.

- Use of spool wires
- Automatic wire spooling
- Small, compact saw design
- Long wire lengths (20 - 30m)
- Thinnest cut-offs (from 0.08 mm)

DWS.100

The diamond wire saw type DWS.100 is a table saw in horizontal design so that the smallest cut-offs can be observed with the naked eye or also by means of an attached microscope. The maximum workpiece cutting area is 90 x 90 mm and the recommended diamond wire thickness is 0.08 to 0.35 mm.



DWS.175 & DWS.250

The diamond wire saw type DWS.175 is a table saw in vertical design. The maximum workpiece cutting area is 175 x 175 mm and the recommended diamond wire thickness is 0.15 to 0.50 mm.

The DWS.250 type diamond wire saw is a large two-way vertical table saw. The maximum workpiece cutting area is 250x250 mm and the recommended diamond wire thickness is 0.20 to 0.50 mm.



Saws for wire loops ONE-WAY-CUT

Our one-way diamond wire saws work with endless wire loops. Since these only cut in one direction and the motor is not alternately braked and accelerated again, it is possible to cut at correspondingly higher speeds. Depending on the type of saw, a wire loop 2 to 3 meters in length is used.

- Use of diamond wire loops
- Easy and fast application of these loops
- Higher cutting speeds - up to 12 m/s
- Clean cut surfaces - cut in one direction
- Thin cuts - from 0.35 to 0.80 mm

DWS.250E

The diamond wire saw DWS.250E (endless) is a one-way table saw in vertical design. The maximum workpiece cutting area is 250x250 mm. Diamond wire loops with a length of 2000 mm and thicknesses from 0.35 to 0.60 mm are used.



DWS.375E

The diamond wire saw DWS.375E (endless) is currently our largest one-way saw in vertical design. The maximum workpiece cutting area is 375x375 mm. Diamond wire loops with a length of 3000 mm and thicknesses from 0.35 to 0.80 mm are used.

The continuously adjustable wire speed goes from 0 to 4 m/s. To ensure a constant cutting pressure, the feed is done by gravity. Workpieces can be cut both wet and dry.

The continuously adjustable wire speed goes from 4 to 12 m/s. To ensure a constant cutting pressure, the feed is done by gravity. Workpieces can be cut both wet and dry.

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