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Wire Saw WS-25

WS-25 is the newest high precision wire saw in our product line. It is the first wire saw that can cut using the free abrasive method, as well as cut using diamond dotted wire. A digitally controlled vertical axis is responsible for feeding the specimen during the cutting process. Vertical movement of the sample is 0.3 micron per step of motor. This solution keeps the frame with wire at the same level throughout the cutting process. The WS-25 wire saw has been developed to meet two important requirements: cutting should not introduce deformations or defects, and losses of material should be minimized.

ADVANTAGES

- * Semi-automatic, requires no supervision
- * Can cut semiconductors, ferrites, metals, glasses, and other hard or brittle solids
- * Minimizes material losses (> 30 micron)
- * Slices samples perfectly parallel
- * No additional lapping required
- * Can be used with accessories to extend the saw's application in precision cutting

TECHNICAL DATA

- * Sample max dimensions: 40x40 mm
- * Power Supply: 220-250 V/50 Hz or 110 V/60- Hz
- * Tungsten wire diameter: 20-60 micron
- * Diamond dotted wire: 100-300 micron
- * Wire oscillation frequency: 150-200/min
- * Weight: 48 kg
- * Dimensions: 600x500x250mm