

KASON-XZY-25D Double Notch Cutter for Pipes and Plastics**Product Overview**

This sample preparation machine uses a single-edged blade with a thickness of 0.23 ± 0.03 mm and a cutting angle of $14^\circ \pm 2^\circ$ to notch the specimen on both sides, creating standard notched specimens. It is suitable for preparing double-notched specimens of high-molecular-weight polyethylene (PE-UHMW) molding materials and thermoplastic pipes. It facilitates the determination of double-notched impact strength using Charpy beams. It can also be used for notching FNCT and PENT specimens, making it an essential instrument for preparing double-notched specimens in various testing institutions and polymer research centers.

Compliant Standards:

ISO 16770: Plastics—Determination of Environmental Stress Crack (ESC) of Polyethylene

ASTM F 1473: Standard Test Method for Notched Tensile Test for Determination of Slow Crack Growth Resistance of Polyethylene Pipe and Resins

GB/T 21461.2-2008: Plastics—Ultra-High Molecular-Weight Polyethylene Molding and Extrusion Materials—Part 2 Technical

Parameters:

| | |
|------------------|----------------------|
| Model | KASON-XZY-25D |
| Cutter thickness | 0.23mm±0.03mm |

| | |
|---------------------------------|-------------------|
| Cutter cutting angle | 14°±2° |
| Remaining specimen thickness | Adjustable |
| Clamping width adjustment range | 1mm-25mm |
| Cutting accuracy | ±0.05mm |
| External dimensions | 480mm×230mm×250mm |

Standard configuration:

| | |
|---------------------------|--------------------------|
| Main unit | 1 unit |
| Blade | 2 installed, 2 as spares |
| Electronic dial indicator | 1 piece |
| 3mm hexagonal wrench | 1 |

FOCUS IN MATERIAL TEST

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