

Atom Digital Cutting Systems Tungsten Carbide Cutting Knives And Replacement Knife Blades Overview

Atom cutting knives and replacement blades are precision tungsten carbide cutting tools designed for Atom CNC digital cutting systems (such as the Atom Flashcut series, Flashcut FLEX, and Flashcut HV)



Shenzhen, Guangdong Sep 23, 2026 ([IssueWire.com](http://www.IssueWire.com)) - Atom CNC digital cutting systems utilize specialized micro-grain tungsten carbide knives engineered for high wear resistance and structural stability across complex cutting paths. Below is a structured cross-reference catalog breakdown of the specified Atom part numbers, categorized by cutting module type and functional application.

This part catalog overview focuses specifically on the part numbers and exact specifications for Atom Digital Cutting Systems' tungsten carbide knives, flat oscillating blades, and motorized rotary wheels. These items are manufactured from industrial sub-micron tungsten carbide to fit specific Atom cutting tool heads, notably the HV1400 (generally 0.63 mm or legacy systems) and the HV1600 / FlashCut Flex series (heavy-duty 1.0 mm to 1.5 mm setups)

1. [Flat & Oscillating Knife Blades](#)

These blades are crafted for high-frequency electric and pneumatic oscillating tool heads (EOT/PNE). They excel in cutting through dense, layered, or elastic materials such as genuine leather, gasket stock, felt, and rubber.

- Part Number: 01030728

Description: Flat Blade Oscillating

Application: Precision cutting of leather uppers and medium-density gaskets

- Part Number: 01030729

Description: Flat Blade Oscillating

Application: Standard oscillating blade suitable for general cutting tasks

- Part Number: 01030730

Description: Flat Blade Oscillating

Application: Heavy-duty profile designed for thick gaskets and synthetic rubber

- Part Number: 01030731

Description: Flat Blade Oscillating

Application: Fine-tip profile ideal for tight radii and complex shapes

- Part Number: 01030773

Description: Flat Blade Oscillating

Application: High-frequency blade for shoe soles and thick leather materials

- Part Number: 01030774

Description: Flat Blade Oscillating

Application: Extended cutting depth suitable for foam and thick flexible substrates

- Part Number: 01030782

Description: Flat Blade Oscillating

Application: Flat shank blade for general digital cutting

- Part Number: 01030793

Description: Flat Blade Oscillating

Application: Precision blade for technical textiles and automotive trims

- Part Number: 01030910

Description: Flat Blade Oscillating
Application: Multi-purpose flat shank knife

- Part Number: 01033840

Description: Flat Blade Oscillating
Application: High-durability profile for composite materials and gasket seals

- Part Number: 01033841

Description: Flat Blade Oscillating
Application: Precision blade suitable for leathercrafting and gasket production

2. [Rotary and Decagonal Blades](#) are designed for continuous and high-speed cutting with driven rotary tool modules (DRT). They efficiently process woven fabrics, fiberglass, carbon fiber, and non-wovens without causing fraying or pulling of fibers.

- Part Number: 01033310

- Description/Style: Blade Wheel (28mm)
- Application Profile: 28mm round rotary knife wheel for continuous fabric slitting

- Part Number: 01045231

- Description/Style: Atom Rotary Blade
- Application Profile: Standard circular/decagonal rotary blade for single and multi-ply textiles

- Part Number: 01060214

- Description/Style: Atom Rotary Blade
- Application Profile: High-durability tungsten carbide rotary blade for technical textiles

- Part Number: 01060215

- Description/Style: Atom Rotary Blade
- Application Profile: Precision rotary knife for synthetic films, mesh, and woven materials

- Part Number: 01060216

- Description/Style: Atom Rotary Blade
- Application Profile: Standard rotary tool blade for cutting carbon and glass fibers

- Part Number: 01060217

- Description/Style: Atom Rotary Blade
- Application Profile: High-precision rotary wheel blade

- Part Number: 01060218

- Description/Style: Atom Rotary Blade
- Application Profile: Wear-resistant rotary cutter blade for abrasive fabrics

- Part Number: 01060219

- Description/Style: Atom Rotary Blade
- Application Profile: Rotary blade for multi-ply textile and fabric cutting

- Part Number: 01060220

- Description/Style: Atom Rotary Blade
- Application Profile: Heavy-duty rotary blade wheel

- Part Number: 01060465
- Description/Style: Atom Rotary Blade
- Application Profile: Specialized rotary knife for technical textiles

- Part Number: 01060676
- Description/Style: Atom Rotary Blade
- Application Profile: High-speed rotary wheel blade

- Part Number: 01606750
- Description/Style: Atom Rotary Blade
- Application Profile: Standard circular/decagonal replacement wheel

3. [Standard Drag, Static, and Specialized Blades](#)

These blades are designed for efficient linear cutting of materials such as paperboard, corrugated sheets, thin synthetics, and vinyl substrates, where high-speed, non-oscillating performance is essential.

Here is a list of part numbers and descriptions for various blades:

- 01030911: Standard Drag Blade
- 01039999: [Standard Utility Knife Blade](#)
- 01033858: Heavy-Duty Drag Knife
- 01040073: Standard Drag Knife Blade
- 01033875: Precision Static Blade
- 01040074: Heavy-Duty Static Blade
- 01039892: Standard Knife Blade
- 01040075: Drag Blade
- 01039893: Fine-Detail Drag Blade
- 01040356: Heavy-Duty Drag Blade
- 01039896: High-Wear Carbide Blade
- 01040357: Precision Knife Blade
- 01039907: Specialized Static Blade
- 01045556: Standard Knife Blade
- 01033925: Standard Knife Blade
- 01046251: Standard Cut Blade
- 0103A858: Modified Shank Drag Blade
- 01R43856: Reinforced Heavy-Duty Blade
- 0103B858: Alternate Geometry Drag Blade
- R/9999-0911: Combination / Specialized Blade

Technical Specification Overview

- **Material Composition:** Micro-grain / Sub-micron Tungsten Carbide (\$WC + Co\$) with high hard-phase content (\$>92\%\$) to withstand abrasive wear from composite materials and fibrous leather.
- **Surface Treatments & Coatings:** Select series are available with TiN (Titanium Nitride) or DLC (Diamond-Like Carbon) physical vapor deposition (PVD) coatings to minimize edge friction and heat buildup when processing sticky or resinous substrates.

- Compatibility: Fully compatible with Atom Flashcut, Flashcut FLEX, Flashcut HV, and combined knife-head tooling systems.

For more information about Shenzhen Oyea Machinery, please visit the company's official website: [[link here](#)].

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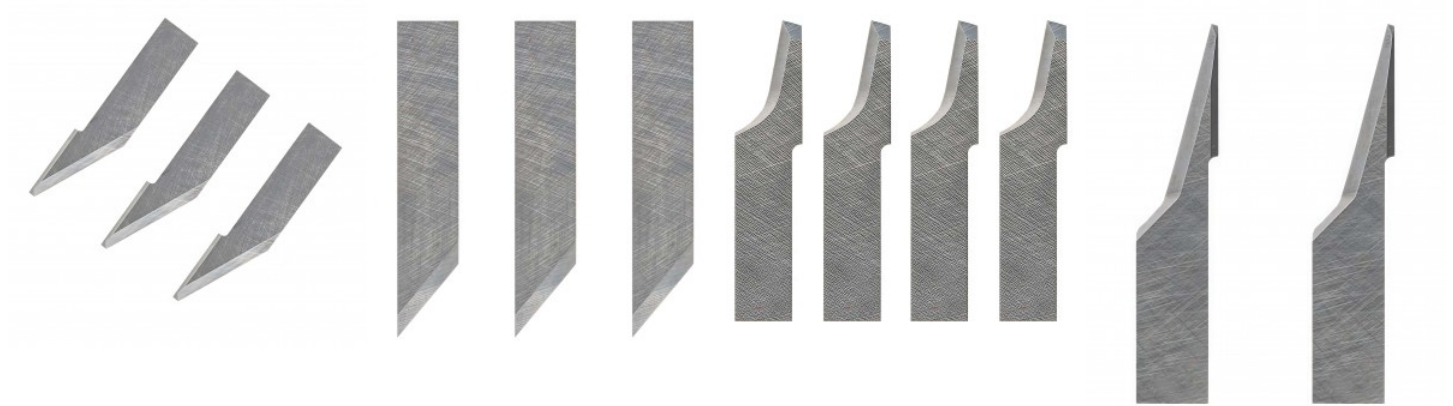
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