

Summa Cutter D T F Series Cutting Replacement Compatibility Knife Blades Overview

Summa vinyl plotters and flatbed cutters use distinct tooling systems across their D-Series (Drag knife), T-Series (Tangential knife), and F-Series (Flatbed cutter) lines



Shenzhen, Guangdong Sep 22, 2026 ([IssueWire.com](http://www.IssueWire.com)) - [Summa engraving machines](#) (including the D, T, and F series) use different cutting processes. The D series uses a drag knife, while the T and F series flatbed cutters primarily use a tangential knife with active drive. The blades for these two processes are structurally completely different and cannot be directly mixed or interchanged.

When selecting replacement blades, they must be strictly matched according to the machine model (series) and tool holder:

Drag Knife Series (D / T / R / SummaCut)

- 391-360 (9TL89-67041)
 - Description/Specifications: [Standard Drag Knife Blade](#) (36°)
 - Compatibility/Application: Compatible with D & T & R Series Drag Cutters
- 391-358
 - Description/Specifications: Standard Drag Knife Blade (36°)
 - Compatibility/Application: For D-Series Drag Plotters / SummaCut
- 391-358C
 - Description/Specifications: Premium Coated Drag Knife Blade (36°)
 - Compatibility/Application: D-Series Drag Plotters / SummaCut
- 391-231
 - Description/Specifications: Standard Drag Cutter Blade
 - Compatibility/Application: Summa D-Series Cutters
- 391-363
 - Description/Specifications: 55° Drag Blade Holder
 - Compatibility/Application: Suitable for Thick Materials / High-Force Drag Cutting
- 391-332 (9TL89-67033)
 - Description/Specifications: Standard Drag Knife Blade Holder
 - Compatibility/Application: D-Series Drag Tool Holders

Tangential Series (T-Series / SummaSign)

- 390-534
 - Description/Specifications: 36° Tangential Cutter Knife Blade
 - Compatibility/Application: For T-Series Cutters
- 390-549
 - Description/Specifications: 36° Tangential Knife Blade
 - Compatibility/Application: T-Series, SummaCut, SummaSign / Pro T
- 390-550
 - Description/Specifications: Tangential Plotter Knife Blade Replacement
 - Compatibility/Application: T-Series Tangential Heads
- 390-551
 - Description/Specifications: 36° Tangential Plotter Knife Blade
 - Compatibility/Application: T-Series Tangential Heads
- 390-560
 - Description/Specifications: 40° / 25° Tangential / F-Series Knife Blade
 - Compatibility/Application: T-Series / F-Series Flatbed
- 391-163

- Description/Specifications: Thick Materials Tangential Cutter Blade
- Compatibility/Application: Heavy Vinyl, Sandblast, & Thick Film

[F-Series Flatbed Cutters & Oscillating Tools](#) (EOT / POT)

- 500-9800 to 500-9815 (500-0801 to 500-0815)
- Tool/Blade Type: Electronic Oscillating Tools (EOT)
- Specifications/Application: Designed for Soft/Gasket Materials, including Vinyl and Soft Material Oscillating Blades
- 500-9820 to 500-9835 (500-0820 to 500-0835)
- Tool/Blade Type: Heavy Duty Tools and Pneumatic Oscillating Tools (POT)
- Specifications/Application: Features range from titanium-coated blades for corrugated boards to V-Cut/Bevel-Cut and High-Frequency Oscillating Blades, suitable for various materials

F-Series Rotary Blades (Decagonal 10-Sided)

- 500-0860 / 500-9860 to 500-9862C
- Material/Coating: Options include Cemented Tungsten Carbide, Solid Tungsten Steel, and Titanium Nitride Coating
- Application: Fabric and textile cutting with long-life decagonal rotary cutter capabilities

This catalog organization should streamline the identification and selection of replacement blades and accessories tailored to your specific series requirements.

Pro Tips for Buying Replacements

If purchasing third-party blades (like [Shenzhen Oyea](#)), ensure they explicitly state Summa 1.5mm diameter for drag or match the exact 500-series part number for flatbeds. HP Latex Cross-Over: HP Latex branded cutters are rebranded Summa machines. Standard Summa D-Series 1.5mm drag blades are fully compatible with HP cutters

Tips for replacing with compatible blade

sVerify the insert shank and head model :

Do not force T/F series inserts into D series tool holders (or vice versa); otherwise, the cutting head will be damaged.

Reduce cutting pressure :

If using a high-sharpness third-party carbide blade such as Shenzhen Oyea, be sure to reduce the cutting pressure of the engraving machine by 30% - 50% before the first use to avoid cutting through the backing paper or breaking the blade tip

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

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