CANOPY DESIGN GROUP

Innovation with Precision

SOFT PUNCH

Manually Actuated Cutting Tools for Applications Requiring High Precision, Enhanced Safety, & Zero Particle Generation

Safety & Accuracy by Design

The Soft Punch™ tool was designed as a convenient, highly accurate and safer alternative to standard hammer-driven impact punches.

The extremely sharp cutting edge stays resident inside each Soft Punch tool until the user manually deploys the blade by applying pressure against the spring loaded actuator.

Non-Particle Generating

Unlike hammer-driven impact punches, the blade is "contactless" with respect to cutting surfaces. Each Soft Punch tool uses linear motion components to precisely guide the blade along the vertical axis, through the target media and into the narrow channels of the lower guide plate. The film is held securely between the upper tool and lower tool body. The tool faces are accurately aligned using magnets located on the tool surfaces.

The scrap generated by the cutting process is held inside the circular blade for removal at a later time. For larger tools or more rigid material, an ejector pin can be installed to release the scrap after each cut.

The Soft Punch approach simplifies and enhances hole cutting operations. "Contactless" cutting also results in longer blade life - since the blade never touches an opposing surface in the cutting process.

Soft Punch Tools & Blade Systems

Each Soft Punch Tool is designed to accommodate a range of hole sizes. Standard blades are available in 1/4" (6mm) increments up to 5" (127mm) diameter.

For more information visit our website at:

www.canopydg.com/contact

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Ordering Information

How to Order

Soft Punch Tools & Blades can be ordered as an assembly (Tool + Blade combo) or individually (just the punch or blade). To order, start with your required hole diameter and then identify the part numbers for your Soft Punch Assembly (or just the Tool or Blade) from the table below.

Hole Diameter (in/mm)	Soft Punch Assembly (Tool + Blade)	Soft Punch (Tool Only)	Soft Punch (Blade Only)
0.25 (6.4)	CDG-CMB-0424-004	CDG-CNC-0424	CDG-PL1-004
0.50 (12.7)	CDG-CMB-0424-008	CDG-CNC-0424	CDG-PL1-008
0.75 (19.1)	CDG-CMB-0424-012	CDG-CNC-0424	CDG-BL1-012
1.00 (25.4)	CDG-CMB-0424-016	CDG-CNC-0424	CDG-BL1-016
1.25 (31.8)	CDG-CMB-0424-020	CDG-CNC-0424	CDG-BL1-020
1.5 (38.1)	CDG-CMB-0424-024	CDG-CNC-0424	CDG-BL1-024

Custom Size & Shapes:

Canopy can design a custom blade (special shape or diameter) to meet your requirements. All custom blades will function in existing Soft Punch Tools.

Technical Data & Accessories:

Soft Punch products are built from a combination of plastic and stainless components. We use both additive and subtractive manufacturing methods to produce each Soft Punch Tool.

Materials of Construction:

Housing: Delrin
Handle: Aluminum
Soft Punch Blade: Stainless Steel
Linear Shaft: Stainless Steel
Internal Bearings: Stainless Steel
Positioning Rod: Aluminum, Rubber Grip
Assorted Screws & Hardware: Stainless Steel

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