

CARTON CONVERTERS

THERMOFORM TRIM TOOLS

SPECIALTY TOOLS



**CREATIVE.
INTRICATE.
EXCEPTIONAL.**

LEADING LASER DIE MANUFACTURER SINCE 1967

SHARPLES

SHARPLESDIE.COM

BENDING ALL THE RULES

When it comes to steel rule dies, Sharples has you covered. With over a half a century of experience in diemaking, Sharples is your supplier for all your cutting needs. Our capabilities serve multiple industries with a deep concentration in all aspects of packaging as well as multiple areas of industrial manufacturing. We cover the array of steel rule die solutions in all industries. We know steel rule dies and will continue to meld the traditions of craftsmanship with the technology of the future.

Sharples goes the extra mile to ensure quality is adhered to – as steel rule diemakers we take pride in the tools that we build. Sharples has a proven track record of exceptional service, technical support, and commitment to quality. We have so many clients worldwide who rely on us. Our philosophy is and always will be to invest in the best.

Let us be your trimming and finishing partner.

For more about Sharples, visit us online at:

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CARTON CONVERTERS

Carton manufacturers have come to rely on Sharples' innovative press ready Bobst tooling which saves valuable press time. Since 1967, Sharples has been providing exceptional quality and service by implementing customized solutions for their clients' unique needs. Many of our accounts have been with us for decades because we have a reputation for quality and working with our customers to find the BEST solution for their converting needs.

Sharples invests in exceptional people and equipment, and we are continually committed to high levels of service and quality – this commitment is what so many clients rely on. We understand carton design and all the converting challenges our customers face. Our slogan “Bending All the Rules” not only applies to our capabilities, it also applies to our unique and vast experience with steel rule die manufacturing. Our track record has brought forth growth through numerous recommendations within the industry.

We look at your process from ordering tooling, file translation, tooling prepress areas, and tooling specifications (whether industry standards or unique customer requirements). Our experience in sheet feed tooling includes for all aspects of diecutting, creasing, dynamic stripping, and high-speed blanking. Sharples' tooling saves press time.

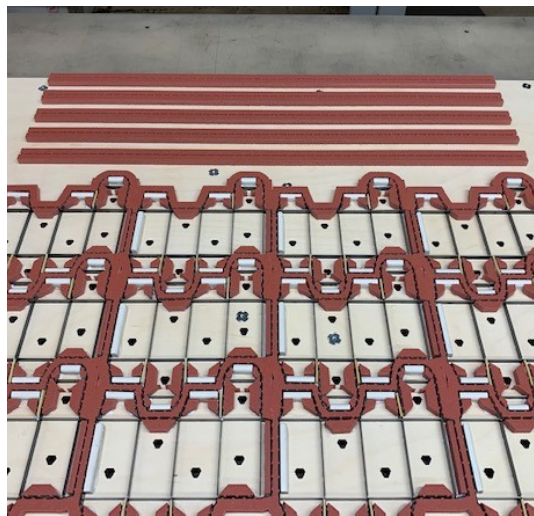
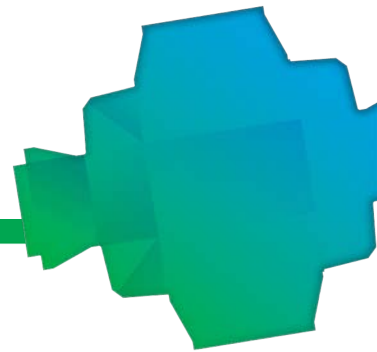
Let Sharples be your
primary die vendor and
work with your team



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Press Ready Dies

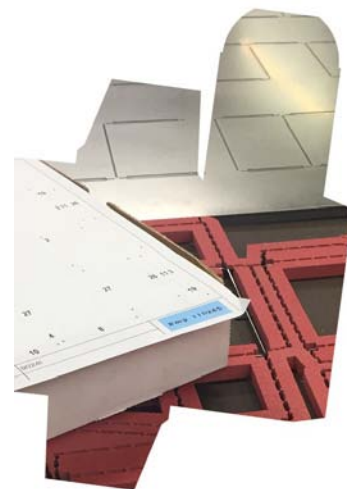
Creative.
Intricate.
Exceptional.



Carton converters rely on our well-designed press ready dies. Our skilled CAD designers utilize software enhanced by Bobst power pack to design the best steel rule die to work in your press. Sharples designs the optimum pre-nicked and rubbered dies while keeping sheet progression in mind from tool to tool.

At Sharples, we understand the importance of stripping knife placement, balance knives, gripper finger location,

and scribed text. We do utilize preset design features in our software in conjunction with our own customized settings per customer, allowing us to deliver tooling built to industry standards with our customers' personal preferences in mind. Our equipment is the best in the industry to provide dependable and consistent tooling to our customers. Sharples has the latest laser technology in the industry and well-trained operators that produce consistent kerf. We have the largest array of automated rule processors in the industry, allowing us to supply our customers the best in repeatability and accuracy from position to position. Our leading die makers have experience with carton design to use knifing techniques that help avoid natural nicks which can cause problems in stripping and blanking.



Let Sharples be you're primary die vendor and work with your team.



Nicked dies -Press Ready



CNC Bending



Debossing

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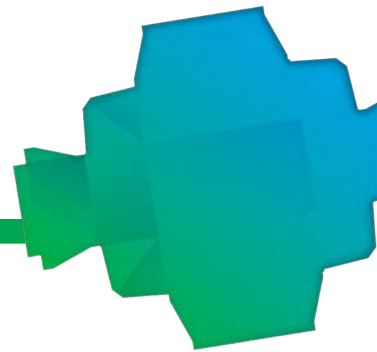
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Counters-Creasing

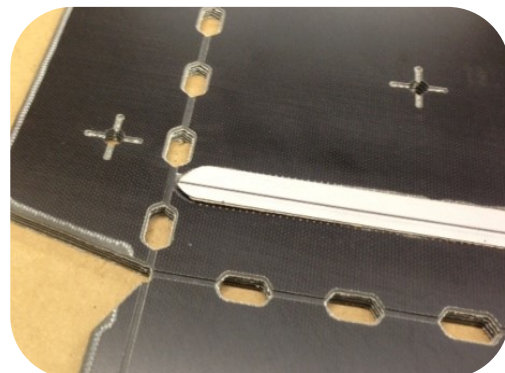
Creative.
Intricate.
Exceptional.



Phenolic Counters:

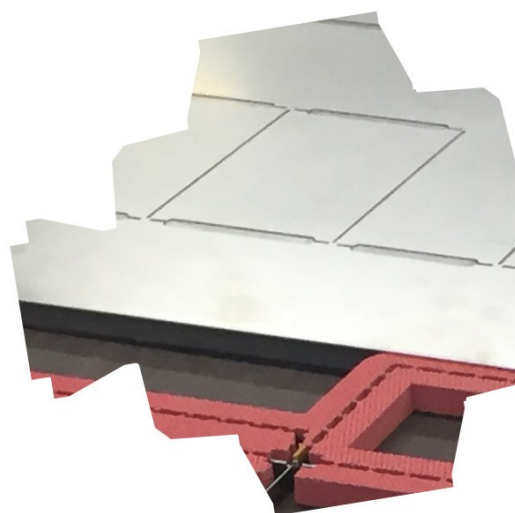
Sharples provides the most-accurate phenolic counterplates in the industry. We manufacture

phenolic counterplates to the most stringent tolerances and the highest quality. Our process yields crisp, sharp channel scores so that your jobs run quickly and accurately. Pressure Sensitive material available upon request.



Steel Counters:

Used to increase press speeds and eliminate marking of cartons. Available in all Rockwells: Soft, Med Hard and Hard. Sharples can accurately lasercut plates and mill per the tightest tolerances possible. Reverse cut in custom designs is also available in Sharples Steel counters.



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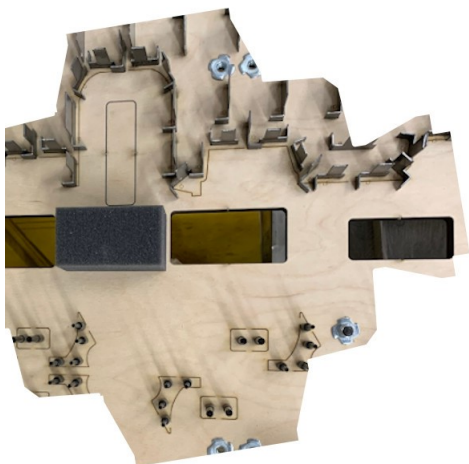
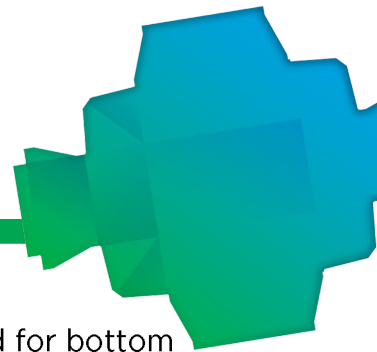
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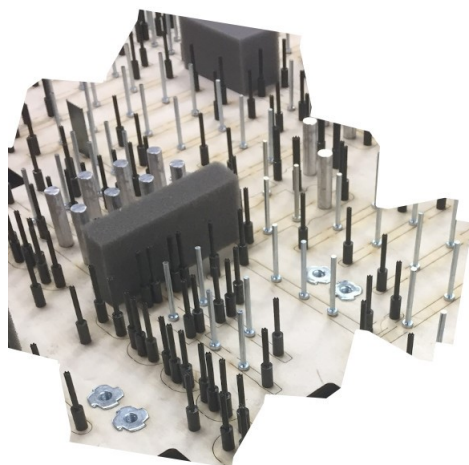
Dynamic Stripping

Creative.
Intricate.
Exceptional.



Power stripping virtually eliminates the need for bottom pins. Sharples follows industry machine specifications in design and manufacturing to produce the optimal stripping unit that will work in today's high-speed, sheet-fed machines. We have experience with various difficult stripping layouts and different stock types. Unique capabilities including steel and laser cutting enable us to provide custom stripping rules and steel inserts to help our customers strip out the most detailed scrap areas and run at high production speeds.

Sharples can set up unique standards that work with your company's requirements. We merge preferences to work with current machine specs, that is a Sharples customer service standard.



- ◆ Dynamic Stripping with few or no bottom pins needed.
- ◆ Experience with various machine specifications such as Bobst and Iberica.
- ◆ Automated CNC machine accurate and consistent tools
- ◆ Designed to run at the highest production speeds.
- ◆ Steady Stripper option
- ◆ Bottom Stripping option



Steady Stripper option



CNC routed lower



Metal inserts

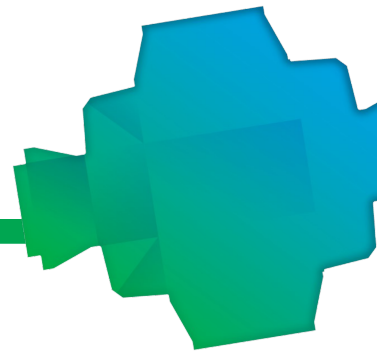
Many options available for stripping

For more information or assistance on ordering or further information contact your customer service rep at Sharples

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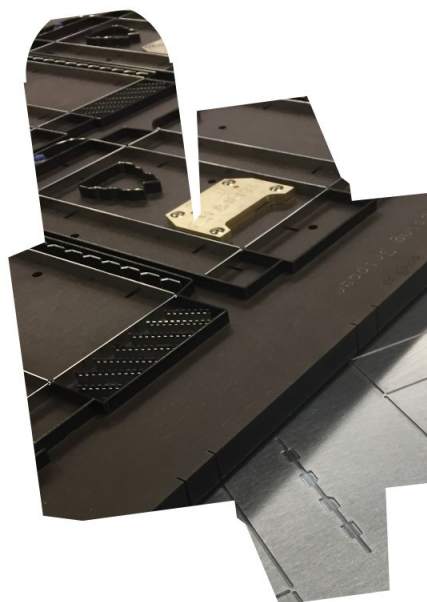
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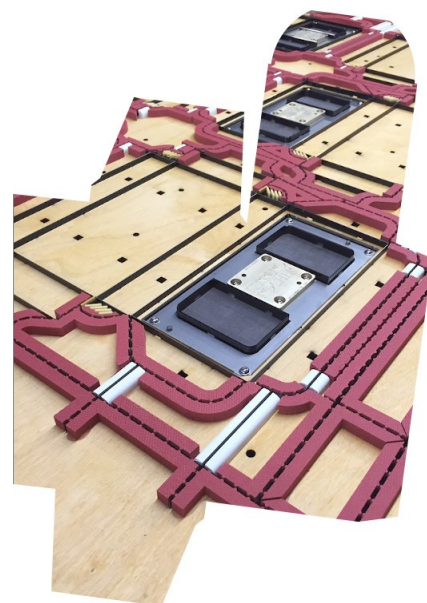
Embossing complements carton design and really makes a statement for the end customer by providing a 3D effect on the package. Sharples has the solutions to aid in the tooling design to make your customers' designs run with ease, providing solutions for alignment adjustment to print registration with on press solutions. Whether it is embossing in one pass or a separate two pass tool, Sharples can

provide the tools that are easy to use and setup. Combining the use of the machined steel counters that can assist with male mounting below the cut level reducing draw and making repeat orders very fast to set up, saving valuable press time.

We have experience with Braille embossing standards and follow the standardization of the Dot Matrix format through ECMA Euro Braille standards (standards provided upon request). We understand the fabrication guidelines and technical requirements to create dots of Braille text that must be clearly perceptible by human touch.



- ◆ One Pass embossing with zero point registration
- ◆ Braille embossing – Marburg Medium Braille Cell Spacing
- ◆ Mounting 2 Pass Registration
- ◆ Thin Plate registration reducing draw on carton



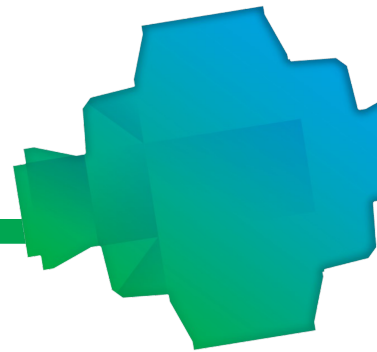
Many options available for embossing and debossing

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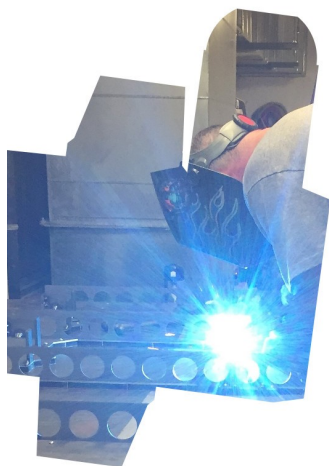
Blanking Tools

Creative.
Intricate.
Exceptional.



Blankers are built press ready for all industry frames. All Sharples blankers are built to work with other tools throughout the sheet-fed process. Sharples designs all tooling with Bobst certified software and has the experience to provide customers with blanking tools for most layouts. We encourage our customers to take advantage of blanking technology to save on labor, we understand the cost of a complete tool can be high, that is why we have different component options that can help keep tooling costs under control.

- ◆ Blankers press ready with frames are designed for long-running items. Sharples can manufacture aluminum, steel, Light Blankers or BSI blankers using the best in laser, machining, welding, and bending technology. Steel blankers designed to stand the test of time. This is a solid solution made custom for you.
- ◆ Flat top Blankers: Steel or wood or a combination of the two. Double knife or made with an insert grid. Can be made with either Sharples frame, Bobst flat top, Light Frame or BSI's Angle Lock frame.
- ◆ Component Blankers: An economical solution that Sharples provides to customers who do not want the expense of dedicated tooling. Many options are available to suit your prepress setup. Sharples will work with you to find the best solutions that work for quick set up while saving on tooling cost.



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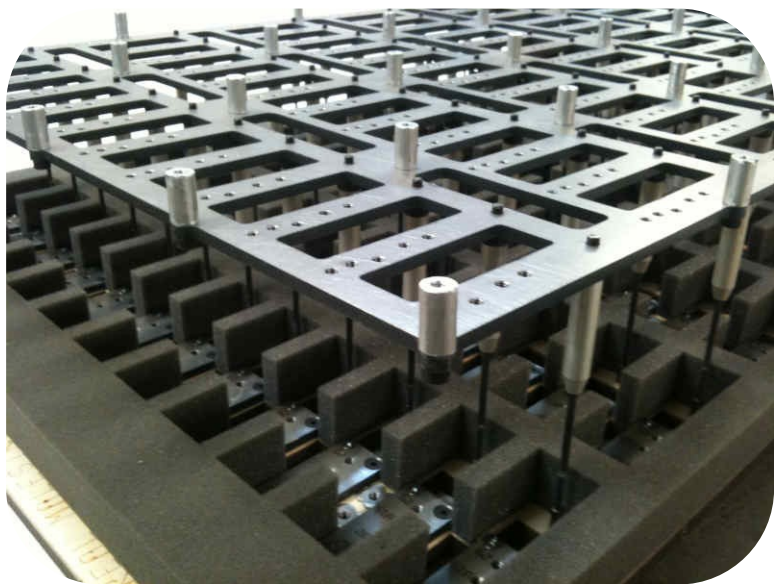
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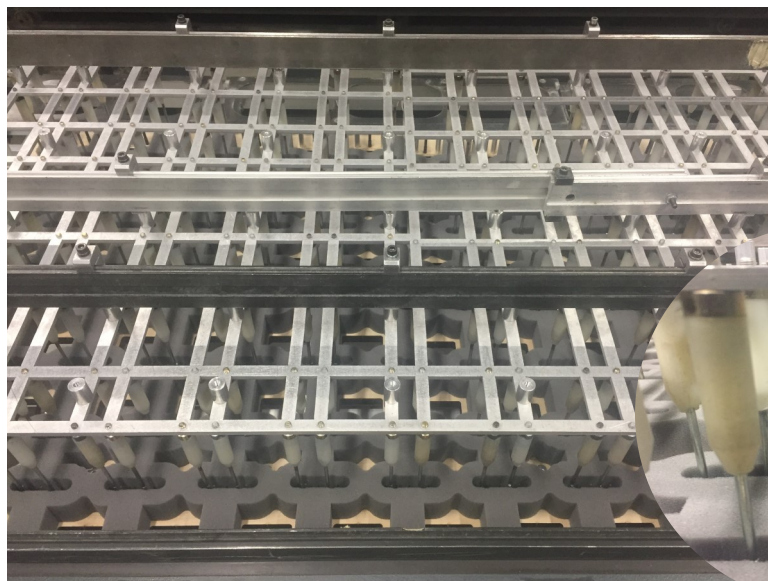
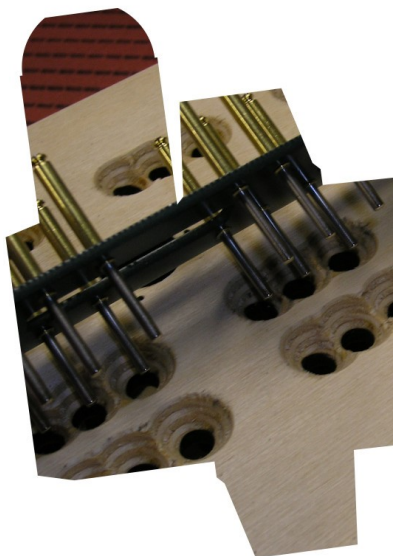
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Bottom Stripper

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Detailed stripping jobs require a custom bottom pin tool that can save precious press set up time. Sharples bottom strippers are engineered to work in conjunction with all other tooling, designed to have scrap drop out properly and pull it out of the way. Sharples' engineering, planning, and design can assist structural design and prepress with tools that can be utilized to work on multiple layouts. Sharples can also design small sections to mount to existing frames. The strippers can remove small scrap or scrap that is too close to use standard bottom pins.

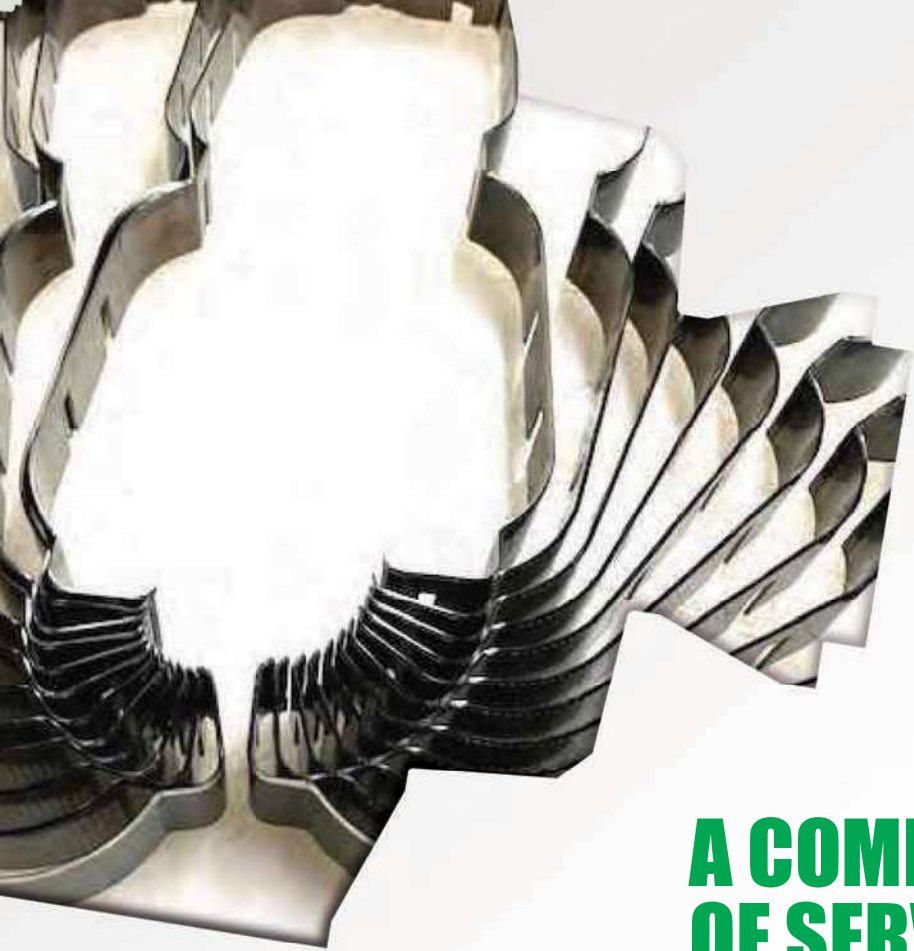


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A COMMITMENT OF SERVICE AND QUALITY TO OUR CUSTOMERS.

**PAPERBOARD
PACKAGING TOOLS**

**THERMOFORMING
DIES**

**SPECIALTY
DIES**

Commercial die shops may have some CNC equipment that Sharples has but no one comes close to the array of equipment, knowledge, strong history and reputation for superior customer service that Sharples provides to its clients.

Our client base is largely attributed to numerous recommendations from package engineers and machine manufacturers. Today, Sharples services clients throughout the United States as well as dozens of other countries throughout the world.

We have achieved success through the long-term relationships we have with many of our loyal clients. All our clients know that they can depend on our consistency, honesty, and commitment to quality.

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