CUSTOM MOLDED MASKS
SHERCON CUSTOM MOLDED MASKS

Quality. Flexibility. Productivity. It’s time to receive all three.

WE’VE GOT CUSTOM MASKS COVERED.

Shercon’s leadership in custom molded masking isn’t a mystery. We solve masking problems every day – big or small, simple or complex.

Our engineering staff is experienced. Our production capability unparalleled. And our turnarounds remarkable.

We turn bottlenecks into productivity, finish shop problems into enhanced product quality and because we understand that time is money, we do it all very quickly.

Isn’t it time you improved product finish quality and increased finish shop throughput?

www.shercon.com 800.228.3218
Paintball Gun Mask

Material: EPDM  
Finishing Process: Powder Coating  
Production Quantity: 2500 masks  
Lead Time: 5 weeks

On a Monday we talked about my specific application, and when I came to work on Tuesday their proposal was waiting for me. Not only were they responsive, but their prices were extremely competitive. And their design suggestions were superb."

– MICHAEL JORGENSEN Manufacturing Engineer, Bobcat Co.

Mask for Lamp Bracket

Material: Ultrabake™  
Finishing Process: Chrome Plating  
Production Quantity: 250 masks  
Lead Time: 4 weeks
Ring Gear Mask

Material: Ultrabake™
Finishing Process: Plating
Production Quantity: 200 masks
Lead Time: 6 weeks

Tethered 2 Piece Washer Pull Plug

Material: Ultrabake™
Finishing Process: E-coat
Production Quantity: 3000 masks
Lead Time: 2 weeks

“Prep for one of these fixtures went from two hours to less than 20 minutes, and we can have upwards of 30 fixtures in the shop at one time. You do the math.”

- GREG GANNON  Production Manager, Hixson Metal Finishing
This customer was given a new coating requirement for wheels they were chrome plating. The wheel now had to go through a secondary coating operation after it was chrome plated. The coating was to be applied on the inner face of the wheel. The problem was that the secondary anti-corrosive coating could not be applied to the face of the wheel because it would ruin the appearance. A large face mask, which covered the entire surface of a wheel face and all openings, was developed to solve the problem. The mask has many features, which keeps it in place and protects the chrome finish.
Drive Shaft Mask

Material: Ultrabake™
Finishing Process: E-coat
Production Quantity: 850 masks
Lead Time: 2 weeks

Motorcycle Triple Tree Masks

Material: EPDM
Finishing Process: Chrome Plating
Production Quantity: 1,600 masks
Lead Time: 4 weeks

“The longevity is at least 40-1 compared to plastic plugs, and while we are happy with the environmental results, we also see reusable masking as providing an overall cost savings.”

– MIKE GILBERT Manufacturing Services Supervisor, Volvo Motor Graders
TRAILER HITCH SLEEVE MASK
Production Quantity: 6,400 masks
Lead Time: 12 Calendar Days

The area to mask has weld beads and holes in which E-coat could creep in and cause the part to be rejected. The mask, which was designed, plugged all holes and was kept snugly in place by two molded o-rings. The custom molded Ultrabake™ mask replaced extensive hand taping of the part and sped de-masking by simply pulling off the mask instead of cutting the tape off using razor blades.
Compressor Mask

Material: EPDM  
Finishing Process: Powder Coating  
Production Quantity: 2000 masks  
Lead Time: 5 weeks

Sprocket Pulley Mask

Material: Ultrabake™  
Finishing Process: Chrome Plating  
Production Quantity: 300 masks  
Lead Time: 5 weeks

“Shercon knows how to make things work. They can show up at your site, look at your operation, explore the application, and solve your masking problems in a way that improves your process.”

– CARL TEPEL Senior Buyer, Southwest Fabricators
MUFFLER PUSH PLUG MASK

Production Quantity: 1000 masks
Lead Time: 21 Calendar Days

This customer had a bottleneck in their production line due to the time it took to mask the inlet hole of the muffler. A custom cap-plug was designed to prevent water and paint from entering the muffler. The design of the mask also concealed the outside profile of the muffler. The new design was adopted quickly because of the ease of installation and removal.
Gas Tank Mask

Material: EPDM
Finishing Process: E-coat & Powder Coating
Production Quantity: 80,000 masks
Lead Time: 6 weeks

“We appreciated having a masking supplier who worked with us. Both groups were willing to try new concepts and think outside the box, and everybody benefited as a result.”
– ED KACZMARCZYK Design Engineer, John Deere Welland Works

Shock Rod Mask

Material: Ultrabake™
Finishing Process: E-coat
Production Quantity: 500 masks
Lead Time: 3 weeks
This customer was concerned with blow-offs and ergonomics. When developing this set of custom masks the ease of installation and removal, as well as a tight fit, were considered. We designed two t-style handles for two of the three masks. The design allows for an easy push on installation and great grip for removing the mask. The second end of fuel fill was masked using a custom lipped cap. The lip of the cap held it tight enough to hold during the coating process and was flexible enough to easily be removed.
10 Stud Axle Mask

Material: EPDM
Finishing Process: Wet Paint
Production Quantity: 5,000 masks
Lead Time: 5 weeks

Air Valve Masks

Material: Ultrabake™
Finishing Process: Anodizing
Production Quantity: 650 masks
Lead Time: 3 weeks

“There are masking suppliers who will sell us a roll of tape $0.35 cheaper, but every time I’ve needed Shercon to solve a problem, they’ve been here.”

– STEVE GREENWOOD, Production Manager, Powdercoat Services
A hydraulics parts manufacturer was running hydraulic cylinder shells through a hostile finishing line, which included a pressure wash and a blow-off oven. Protecting the interior of the shells and the external threads became our job.

We designed a fast-installing, custom molded push plug with two ergonomic handles that masked the cylinder bore and threads perfectly. The plug featured a tapered fit to protect threaded areas and an outer lip, which snapped over the bore threads. Together, these features prevented liquid leaks, even under the stress of a pressure wash.
Fuel Filter Flanged Cap

Material: EPDM  
Finishing Process: Wet Paint  
Production Quantity: 5 masks  
Lead Time: 4 weeks

Sleeve for Axle Pivot Tube with Handles

Material: Ultrabake™  
Finishing Process: E-coat  
Production Quantity: 50 masks  
Lead Time: 3 weeks

“I’m certainly going to look a lot closer at the jobs as they come in. The savings in time and productivity were huge, and they far outweighed the costs of the custom masks.”  
— MICHAEL GRAVES, Owner, Hytech Processing
HOW DO WE DO IT?

CONCEPT
Custom molded masks require custom tooling – but not until our design engineers have evaluated the problem and presented a clear, creative solution for your evaluation.

PROTOTYPE
Shercon’s prototyping process is the fastest in the industry. Custom molded prototypes can be delivered in days (not months) – and they can be tested right on your production line.

PRODUCTION
Once the prototype is approved, it moves into production. In our state-of-the-art facility, we custom-mix every mask compound from our extensive recipe database, and mold masks to the highest quality standards in the industry.

Shercon’s 3-step process saves time and money!

Submit your Custom Molded Mask Request for Quote online at http://shercon.com/?action=Request
CUSTOMER SATISFACTION? SURE, SHERCON CAN DO IT!
Read more about what customers have experienced partnering with Shercon at: http://shercon.com/?action=CaseStudies

JOHN DEERE WELLAND WORKS
In early 2001, Deere & Company’s Welland, Ontario production facility began revamping their finishing line to utilize e-coat and powder coat – forcing them to change the way they built the John Deere brand loaders, cutters and Gator™ utility vehicles produced there.

VOLVO CONSTRUCTION EQUIPMENT
Volvo’s Motor Grader assembly line in Ontario, Canada, was throwing away “literally barrels” of disposable plastic plugs and caps that protected machined or threaded surfaces from Volvo’s wet-on-wet painting process. A strong environmental ethic is part of Volvo’s corporate philosophy, so the ongoing disposal of thousands of single-use masks conflicted with their values.

THE BOBCAT CO.
At Bobcat’s production facility in Bismarck, constant improvement is part and parcel of the corporate culture. That means every aspect of production is constantly under review – and one area that was ripe for change was how the finishing process was affecting machined and threaded surfaces.

SOUTHWEST FABRICATORS
Southwest Fabricators manufactures steel enclosures and chassis for several industries, where absolute quality and reliability are critical. When they were tasked with the production of a new steel enclosure cabinet that protected sensitive wireless communications electronics in outdoor settings, they didn’t have time for lengthy rounds of design/prototype/refinement.
**SINCE 1946,** Shercon has offered its customers exceptional quality and unmatched service. Our commitment to service extends to our line of custom molded masks – we solve problems, create prototypes, and put a mask into production as fast as anyone in the industry.

Shercon custom molded masks are the finest available – and the product of the industry’s strongest, most creative engineering team.

They boost productivity. Solve “unsolvable” finish shop problems. Deliver exceptional finish quality. And add value to our customers’ products.

*Can they really do that? Sure, Shercon can do it.*