English

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Next step

The new markSolid 114 spray can

NEW

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Dear customers and friends of markSolid!

For many years, customers all over the world have known the markSolid 114 spray can, which features both a round and a fan spray nozzle in its sleek design. Recently, we updated and improved the tried and tested markSolid 114 spray can. Now, you can benefit from the optimized spray properties and the latest advancements in spray can technology for laser marking sprays.

Most importantly,

you benefit from 30%* more improved coverage!

With the same volume, the 300 ml can is all you need to coat at least 2.0 to >2.5 square meters (>3,800 square inches).

The new markSolid 114 metal marking spray

Continue to work as before!

The properties of the finished markings remain unchanged. Work with your tried and tested laser settings as before. You don't have to change anything.

You save in several ways:

- **Optimized product use—less product used;**
- **Work more efficiently—achieve your goal faster;**
- **Fewer resources used—for the environment;**
- **Improved product—at the same price.**

*Depending on how you work.

How you will benefit from the improvements

Save time with every application!
Quick and easy shaking of the can

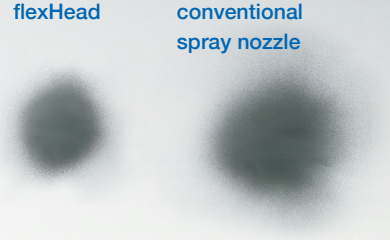
Improved preparation of the formula for spray can ensures that the mixing ball starts to work more quickly, even after a longer storage period. Further mixing is also faster compared to the previous can.

Get more markings out of one can!
Less overspray and a sharper edge

The variable nozzle of the flexHead spray nozzle optimizes the position of the spray jet. This results in less wasted paint during the transfer through the air and a narrower transition zone between the coated and the uncoated surface.

The first spray jet is already perfect.
Spraying begins directly on the substrate, not off of it!

The illustration shows the result with the new flexHead spray nozzle (left) compared to the spray spot of the old can with the conventional spray nozzle (right).
The more clearly defined transition zone and the smaller spray spot made possible by the new spray nozzle are clearly visible.



Adjust the size of the spray spot to the task!
More economical application—less product used

The nozzle of the markSolid flexHead spray nozzle enables an adjustable spray width of less than 3 cm to around 12 cm, with a sharp line at the edges (less overspray). Compared to conventional spray cans, more paint reaches your workpiece and less is lost in the air. With the flexHead spray nozzle, you can use the can much more efficiently.

The markSolid 114 adapts to your requirements—not the other way around!

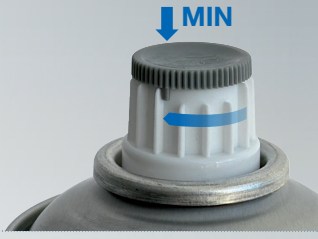
The adjustable **flexHead** spray nozzle

- ► **works more effectively;**
- ► **uses less product;**
- ► **finishes the job faster.**

Spray spots starting from around 7 cm² allow for sparingly dosed spraying on smaller areas. In the MAX setting, the spray spot increases to around 50 cm², and the application rate increases accordingly, enabling a much faster coating of larger areas.

MIN setting for particularly precise work

... especially for small-area markings/coatings



Because less product is sprayed (compared to the previous can), the spray spot is easier to control and can be positioned more precisely. The result is less wastage due to unnecessary spraying outside the area to be marked due to a spray spot that is too large and blurred.

MAX setting for large-area application

The simultaneously increased application rate produces a larger and uniformly thick spray spot. Larger areas are therefore coated very quickly. We recommend spraying the edges of large areas using a setting smaller than MAX to reduce paint waste caused by spraying outside the edge of the area to be coated.

Work as before with ease

... and still benefit from all the advantages of the new markSolid 114 spray can.

The “MIN +25%” setting on the flexHead spray nozzle corresponds approximately to the spraying behavior of the previous can. Note the slightly elliptical shape of the spray spot.

You can select any position between MIN and MAX. With all settings, the optimum spray distance remains at around 15 to 20 cm and the can may be moved at almost the same speed.

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The marking properties and your laser settings remain unchanged.

We did not change the proven markSolid 114 formula for metal marking.
All adjustments relate exclusively to the components of the spray system.

Since the launch of the markSolid 114 spray can, spray can technology has continued to evolve. We are pleased that we can now provide you with this improved technology in the updated markSolid 114 metal marking spray can.

markSolid 114 aerosol spray can 300 ml

- Works on all metals, such as stainless steel, aluminum, brass (all non-ferrous metals), gold*, and silver* (all precious metals), and metallic coatings (gold-plated, chrome-plated*, etc.), but only to a limited extent on anodized aluminum.
  *Some metals require a high laser power.
- Produces permanent black markings with maximum resistance to acids and alkalis (e.g., in dishwashers), UV light, high temperatures, mechanical abrasion, etc..
- Works with CO_2-, Nd:YAG-, and fiber and diode lasers
- Faster to use, more efficient spraying, less overspray—economical with natural resources, your time, and your budget.
- Use the new markSolid 114 spray can and benefit from all the advantages and improvements.

FAQ—Questions and Answers

Why does the new markSolid 114 can look different?
The change from the slim 300 ml can to a thicker can was necessary to incorporate the new flexHead spray nozzle technology.

Why does the new, larger can only contain 300 ml?
With the new can, we increased the spraying efficiency by approximately 30%. With the new markSolid 114 can, you can cover just as much area as with a conventional 400 ml can without using more product—a small contribution to protecting the environment and conserving resources.

Why has the coverage improved by 30% even though the volume has not changed?
The secret lies in the flexHead spray nozzle. Its jet applies significantly more laser marking material directly to the surface of the substrate. Conventional spray nozzles cause turbulence at the edge of the spray jet, which means that material remains suspended in the air for longer. The flexHead targets better, reduces poor coverage at the edge, and enables precise application with a lower rate of spray—even the first spray jet is perfectly positioned. The loss of material due to spraying outside the workpiece is noticeably lower.

What is the most economical way to use the can?
The advantages described are most pronounced in the MIN setting on the flexHead.

Why does markSolid indicate the volume of the can in milliliters and not in grams or ounces?
The markSolid 114 can is manufactured in Germany. In the EU, liters is the unit of measurement to describe the volume of liquids in spray cans.

Which can has more? markSolid states the volume as 300 ml and others state it as 12 oz or 340 g.
Numbers alone don't say much. Even if two manufacturers specify the same volume, it doesn't mean you can create the same amount of markings—and that's what matters! Only a small part of the contents consist of the active ingredient for the markings. The majority consists of solvents and propellants, which vary depending on the manufacturer. Therefore, the volume is less important than the surface coverage.

How was the area yield of the markSolid 114 can determined?
The figure is an average of many spray tests conducted by several people. Each test involved spraying a 20 x 30 cm sign under exhaust air in a standard industrial table spray booth with one open side.