



QuadroVac Clamping System

Partner and Dealer Information

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Auf Präzision fixiert



QuadroVac expands the Witte product range

New vacuum clamping system
for special contoured workpieces

The QuadroVac system consists of modular, combinable base plates which are available in different sizes.

These base plates could be fitted individually with various modules to develop the best possible clamping solution.

Due to the small pods, this system can be perfectly fit on every workpieces.



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Overview of the QuadroVac system

Anwendungsbereiche

- Machining (Milling, drilling, thread holes ...)
- Lasering
- Measuring
- Grinding

Handling

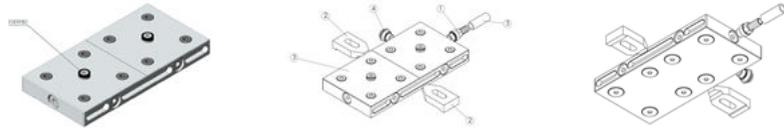
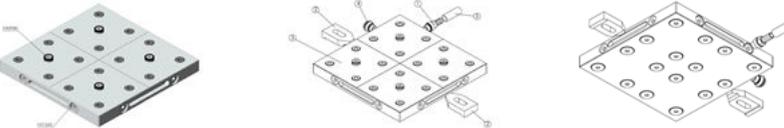
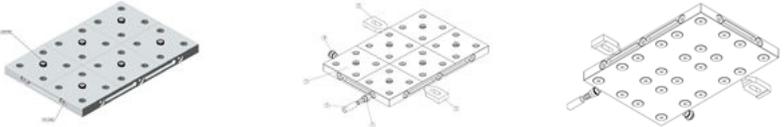
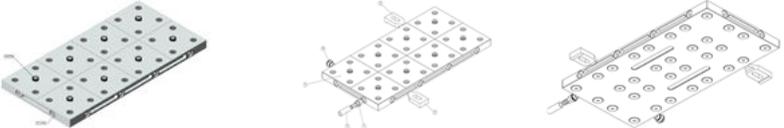
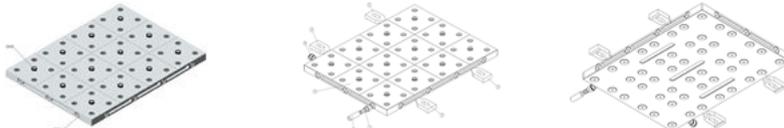
- Moduls can quick and easily changed through your needs. All moduls and pods are fastened with M8 screws.
- Unnecessary clamping surfaces can be deactivated with sealed screws or cover plates.



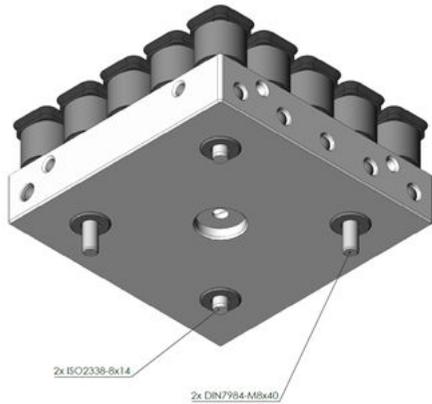
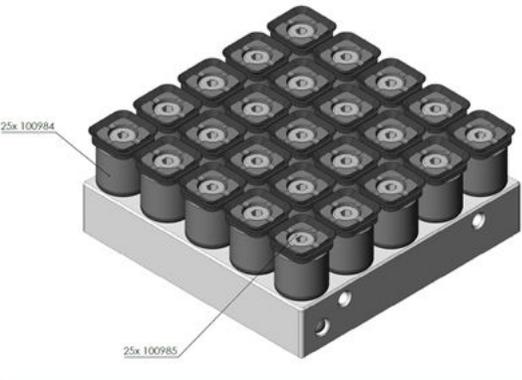
Advantages

- 5-Side –Machining including of bores through the workpieces
- Creating of a accurate clamping surface according to the workpiece.
- Material-friendly contact surface (PVC)
- Secure clamping of rough workpiece surfaces.
- Bevels, contours and radii can be manufactured on the upper and lower workpiece surfaces.
- Modularly expandable in two sides.
- Useable in horizontal and vertical direction.

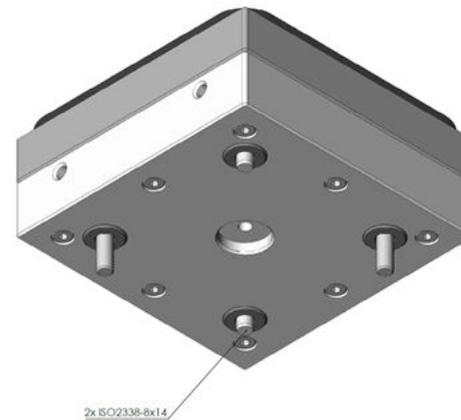
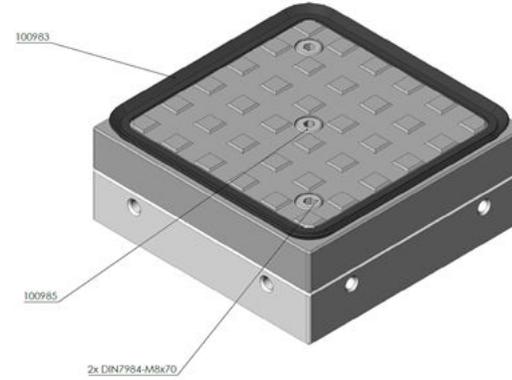
QuadroVac base plates

Illustration	Article number	Dimension	Clamping areas
	293936	150x300x32mm	2
	293937	300x300x32mm	4
	293938	300x450x32mm	6
	293939	300x600x32mm	8
	293940	450x600x32mm	12

QuadroVac Moduls

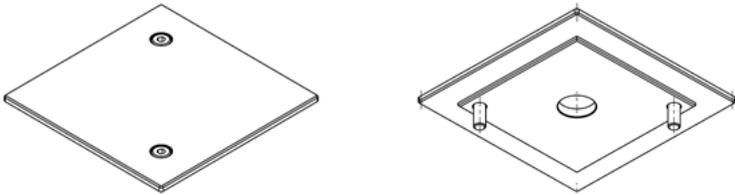


- Dimension: 148 x 148 x 58 mm
- 25x Pods (Dimension: 100984 each 30 x 30 x 28 mm)
- 4x Stainless steel bushes included in the bottom side (fitting to the steel bushes of the base plates)
- 2x Stainless steel pins for positioning of the moduls
- 2x Free useable thread holes on two sided (as example for end stops)



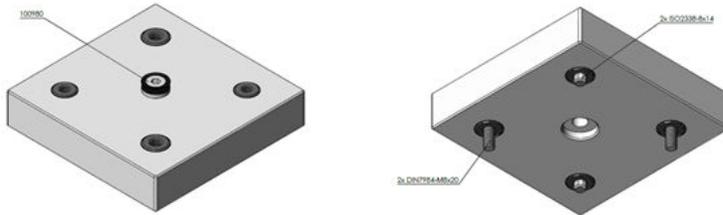
- Dimension: 148 x 148 x 58 mm
- 1x Pod 148 x 148 mm
- 4x Stainless steel bushes included in the bottom side (fitting to the steel bushes of the base plates)
- 2x Stainless steel pins for positioning of the moduls
- 2x Free useable thread holes on two sided (as example for end stops)

QuadroVac Accessories

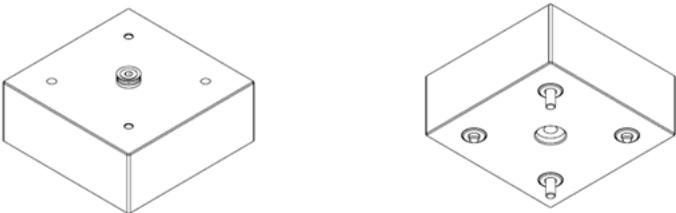


QuadroVac Blind plate
 Dimension: 148 x 148 x 8mm
 Article number: 100979
 Description: To cover the unused clamping areas

QuadroVac Distance Modul «Fix»
 Dimension: 148 x 148 x 32mm
 Article number: 100978
 Description: Improve the accesibility



QuadroVac Distance Modul «Roh»
 Dimension: 148 x 148 x 61 mm
 Article number: 101116
 Description: Can be milled to the desired height (- 45mm)



Vakuumspannen mit QuadroVac vacuum clamping with QuadroVac

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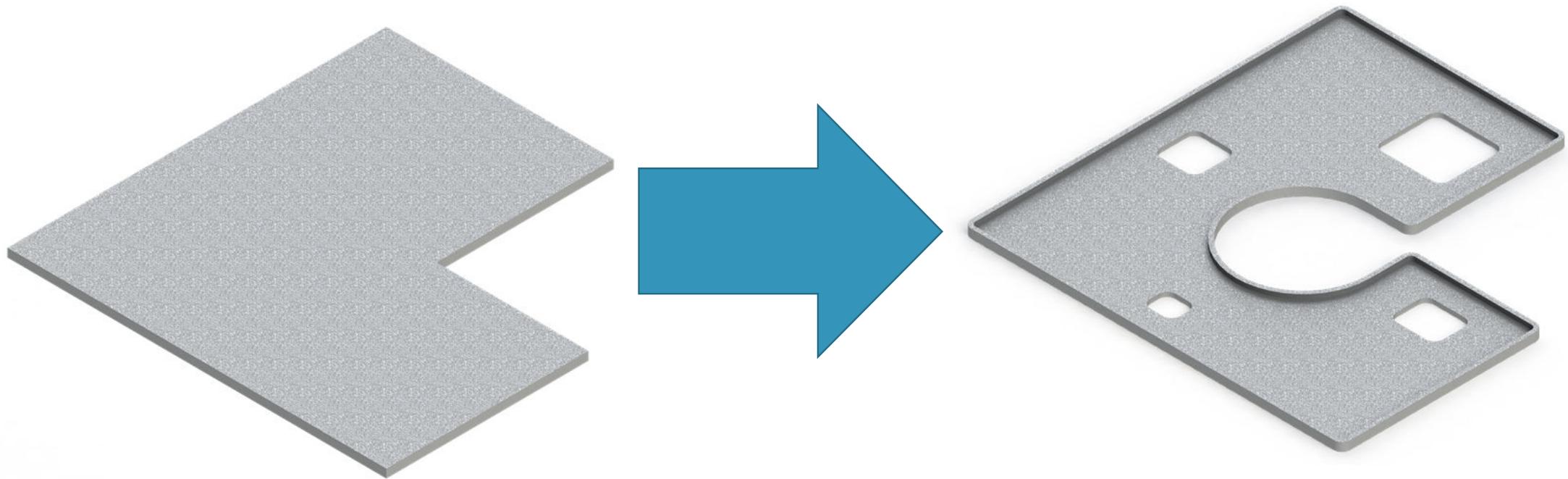
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Sie müssen komplizierte Geometrien für das Bearbeiten spannen?
You need to clamp complicated geometries for machining?

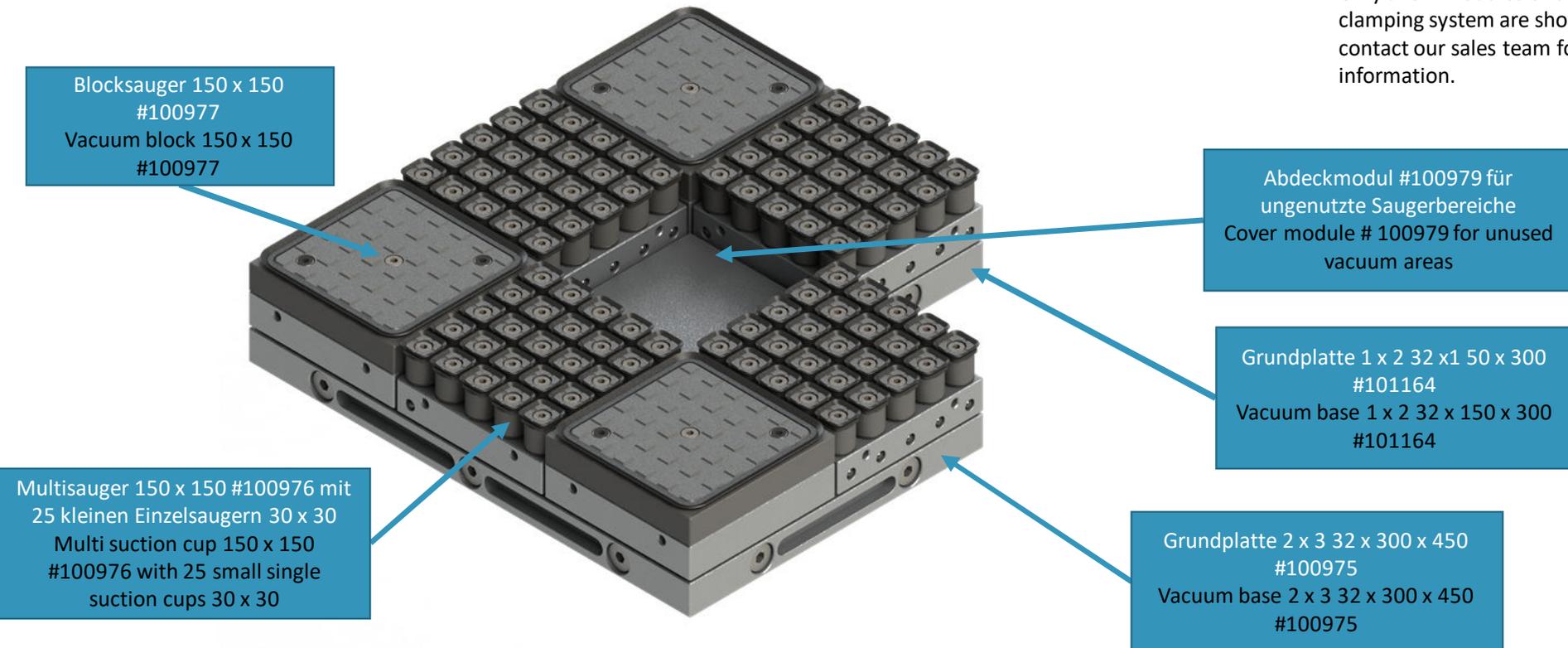


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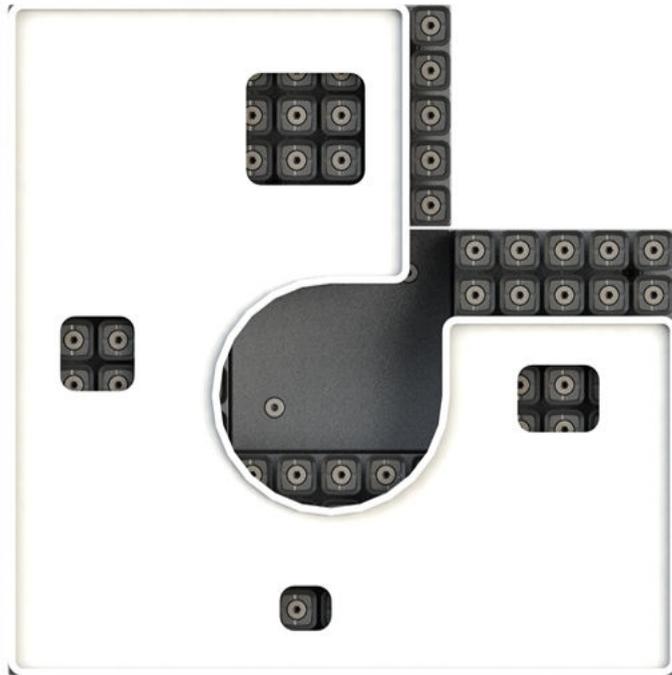
Dann ist QuadroVac die richtige Lösung für Sie! QuadroVac is the right solution for you!

Hier sind beispielhaft nur einige Module des QuadroVac Spannsystems dargestellt. Weitere Informationen erhalten Sie bei unserem Vertriebsteam.

Only a few modules of the QuadroVac clamping system are shown here. Please contact our sales team for more information.



Vorbereitung für die optimale Vakuumspannung Preparation for the best vacuum clamping solution



Modellieren Sie einfach die Spannfläche mit Ihren fertigen Bauteil-CAD-Daten und passen Sie das QuadroVac Spannsystem an. Auf den folgenden Folien zeigen wir Ihnen, wie!

Simply model the clamping surface with your finished component CAD data and adapt the QuadroVac clamping system. We'll show you how on the following slides!

Alle QuadroVac Elemente sind als 3-D-Datensatz erhältlich. Zur unkomplizierten Modellierung eines individuellen QuadroVac Spannsystems für Ihren speziellen Anwendungsfall.

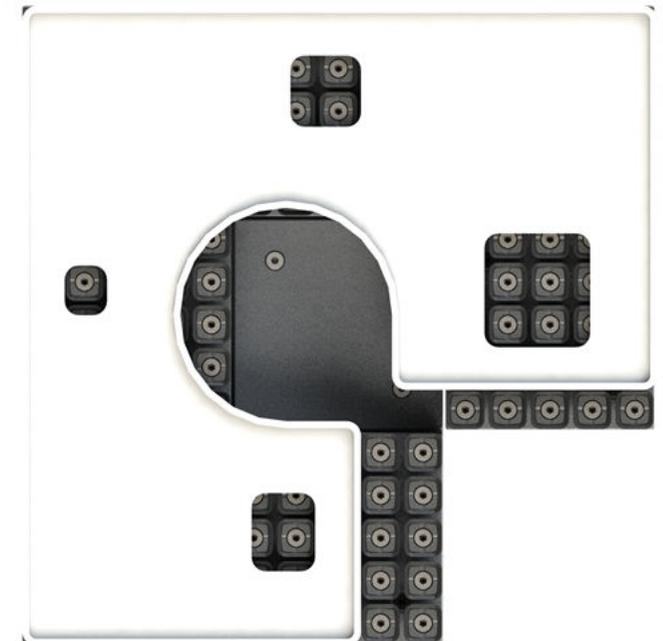
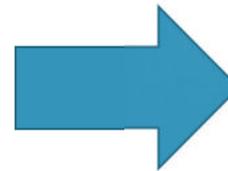
All QuadroVac elements are available as 3D data sets for simple modeling of an individual QuadroVac clamping system for your special application!

Vorbereitung für die optimale Vakuumspannung Preparation for the best vacuum clamping solution

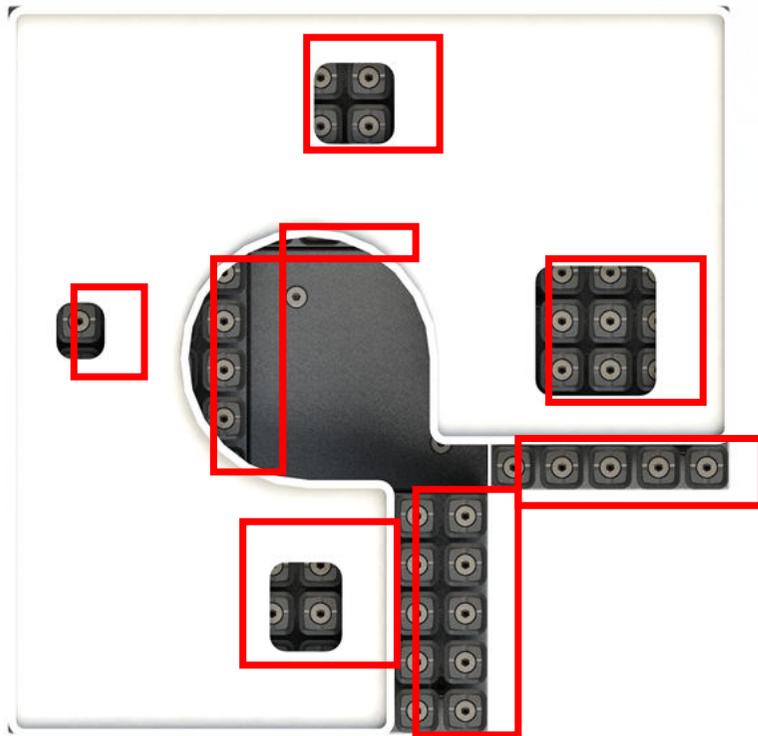


Im CAD den fertigen Bauteildatensatz auf dem QuadroVac Spannsystem positionieren.

Position the finished component data set on the QuadroVac clamping system in CAD.



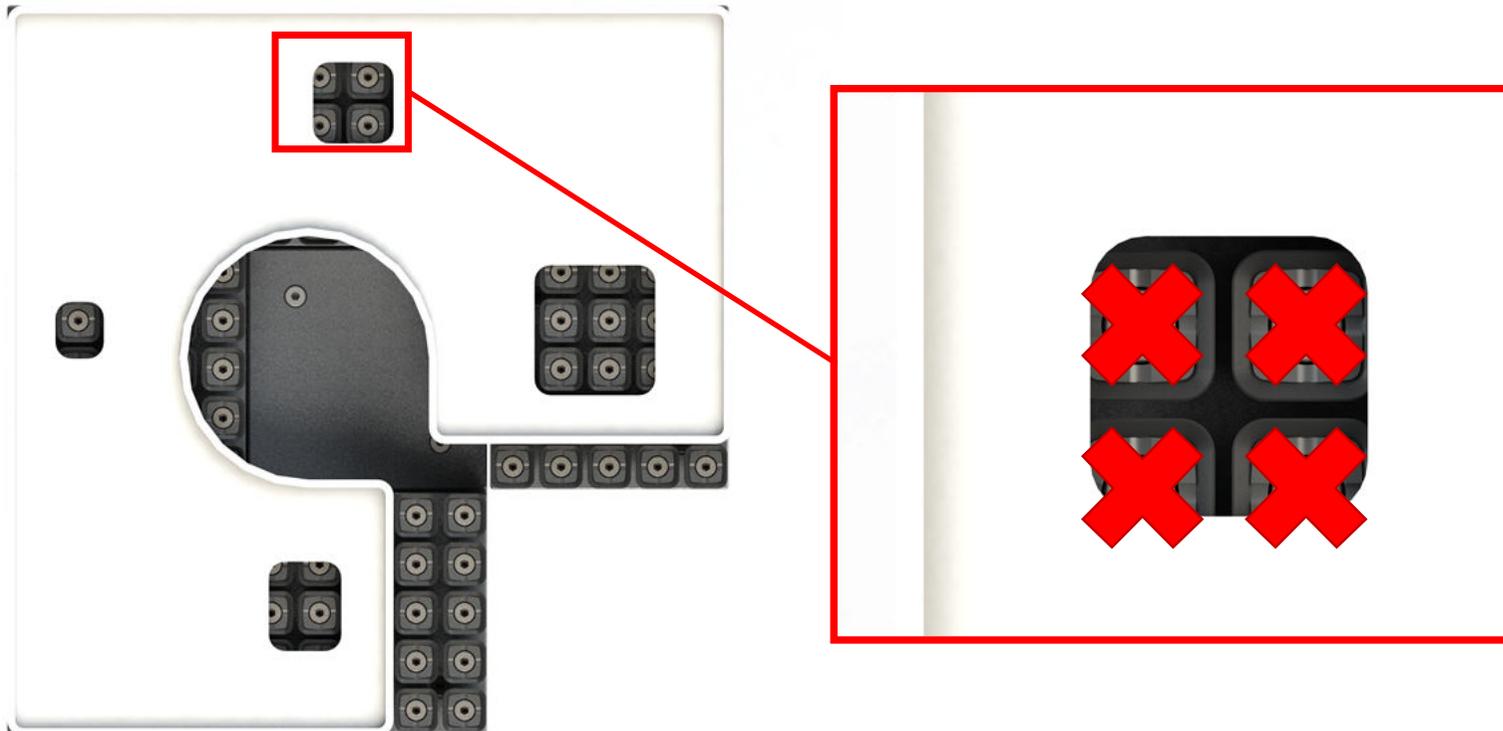
Vorbereitung für die optimale Vakuumspannung Preparation for the best vacuum clamping solution



Identifizierung der Bereiche, an denen die Sauger nicht durch das Bauteil abgedeckt sind. Zum Beispiel Bohrungen, Ausbrüche oder Konturen.

Identification of the areas where the suction cups are not covered by the component, such as holes, cutouts or contours.

Vorbereitung für die optimale Vakuumspannung Preparation for the best vacuum clamping solution

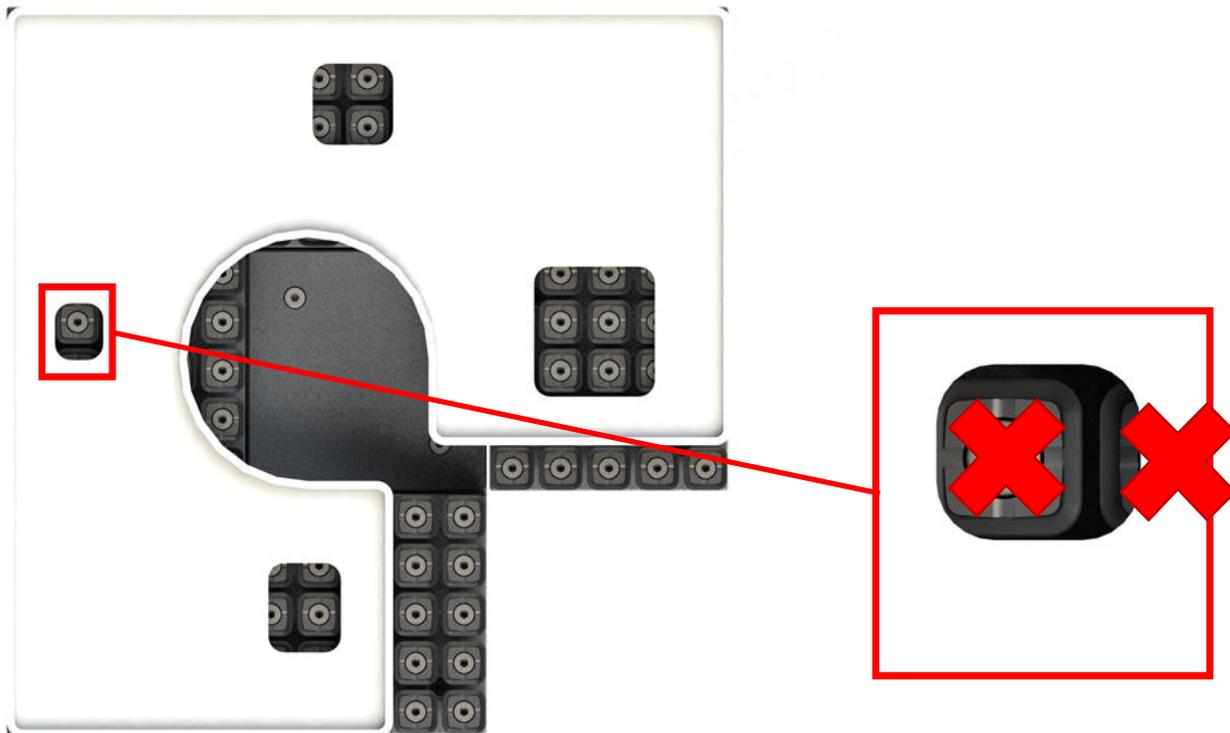


Diese vier Sauger würden Nebenluft ziehen, wodurch das Vakuum zusammenbrechen und die Spannkraft verloren gehen könnten. Daher müssen die Sauger durch Blindstopfen #100986 ersetzt werden.

These four suction cups would draw in secondary air, so that the vacuum would collapse and the clamping force would be lost. Therefore these four suction cups have to be replaced with blind plugs # 100986.

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Vorbereitung für die optimale Vakuumspannung Preparation for the best vacuum clamping solution

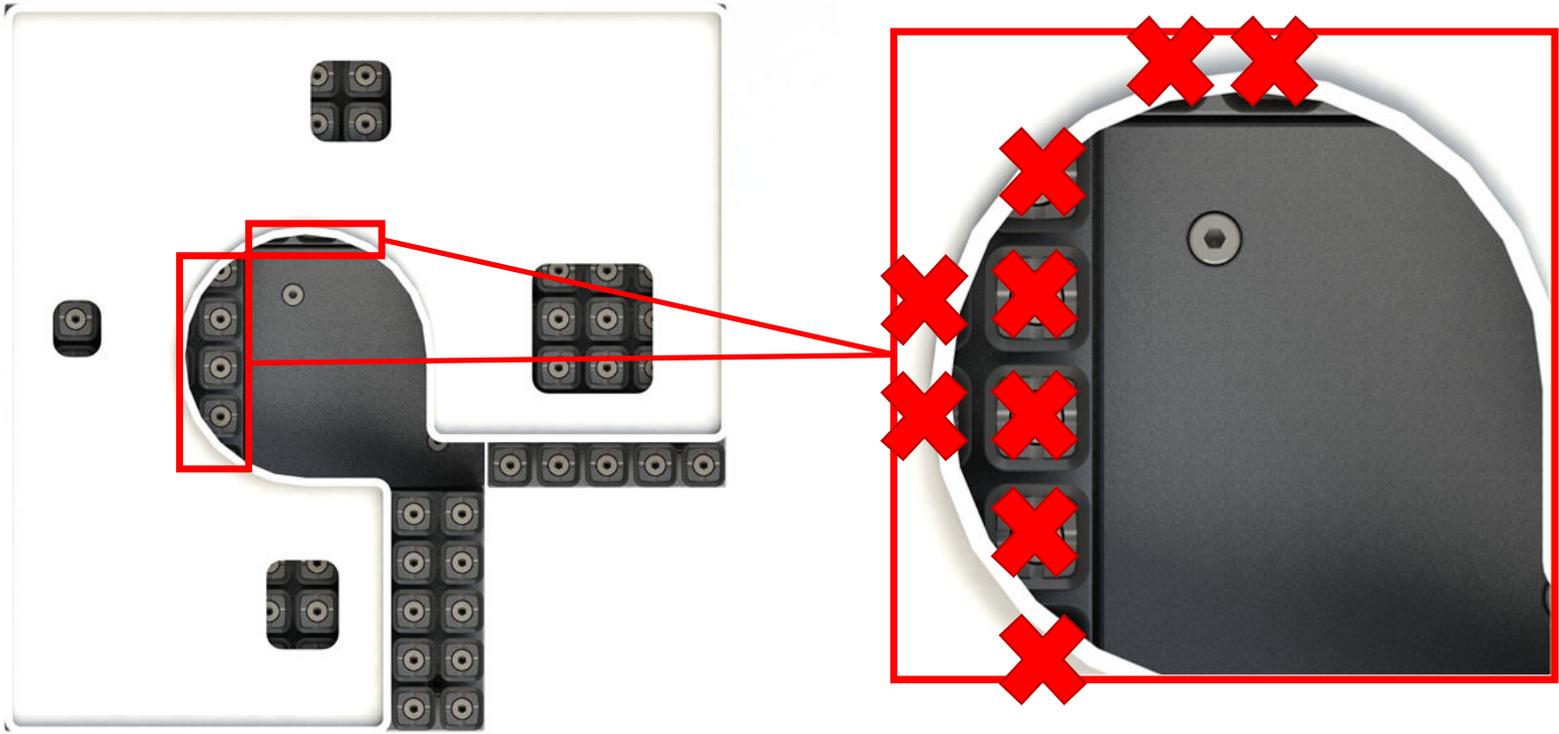


Es ist darauf zu achten, dass auch geringfügig nicht bedeckte Sauger durch Blindstopfen #100986 ersetzt werden, um Nebenluft und den Verlust der Vakuumspannkraft zu verhindern.

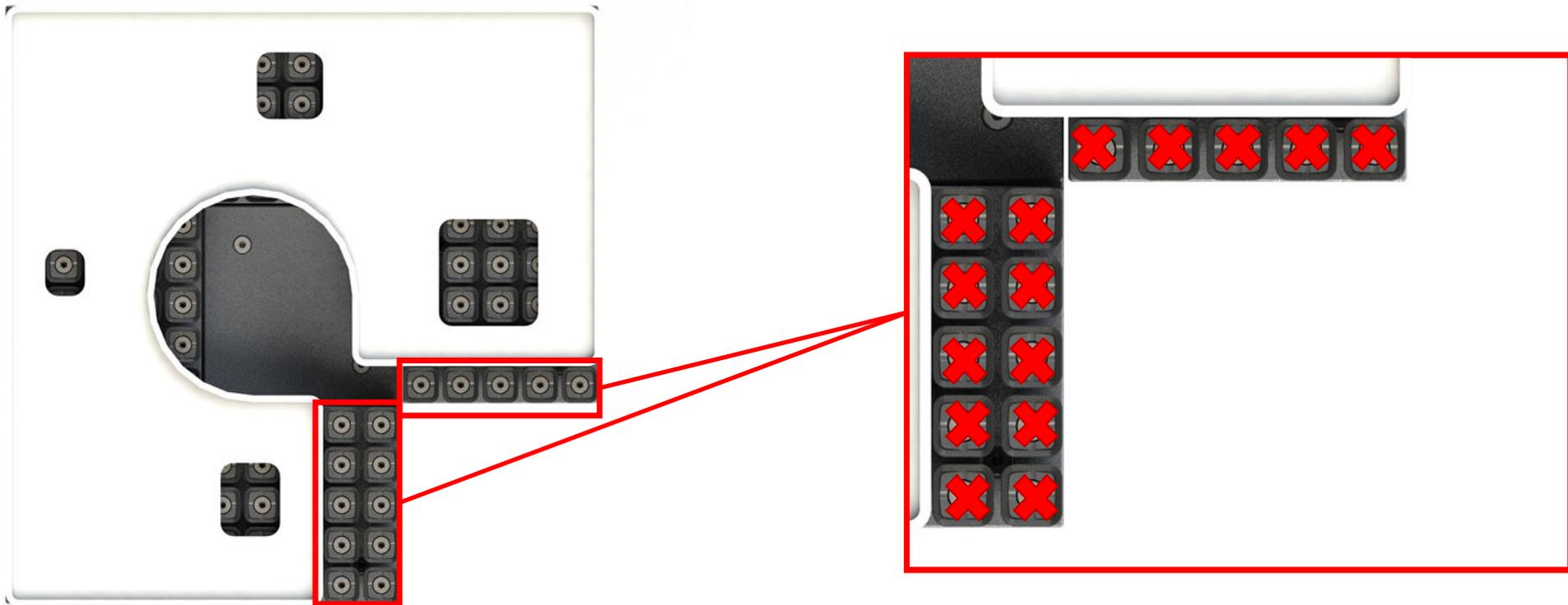
It is important to ensure that suction cups that are only slightly uncovered are replaced with blind plugs #100986 in order to prevent secondary air and the loss of the vacuum clamping force.

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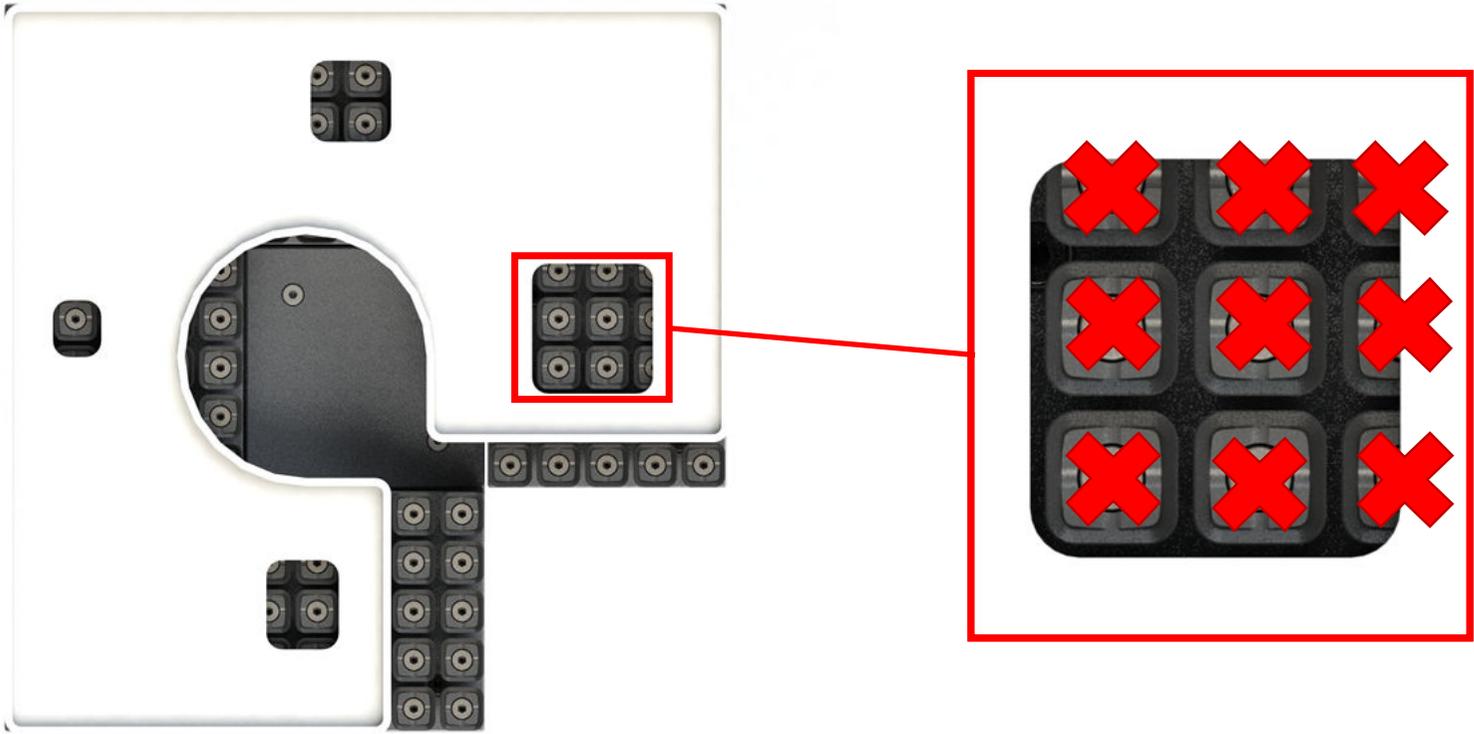


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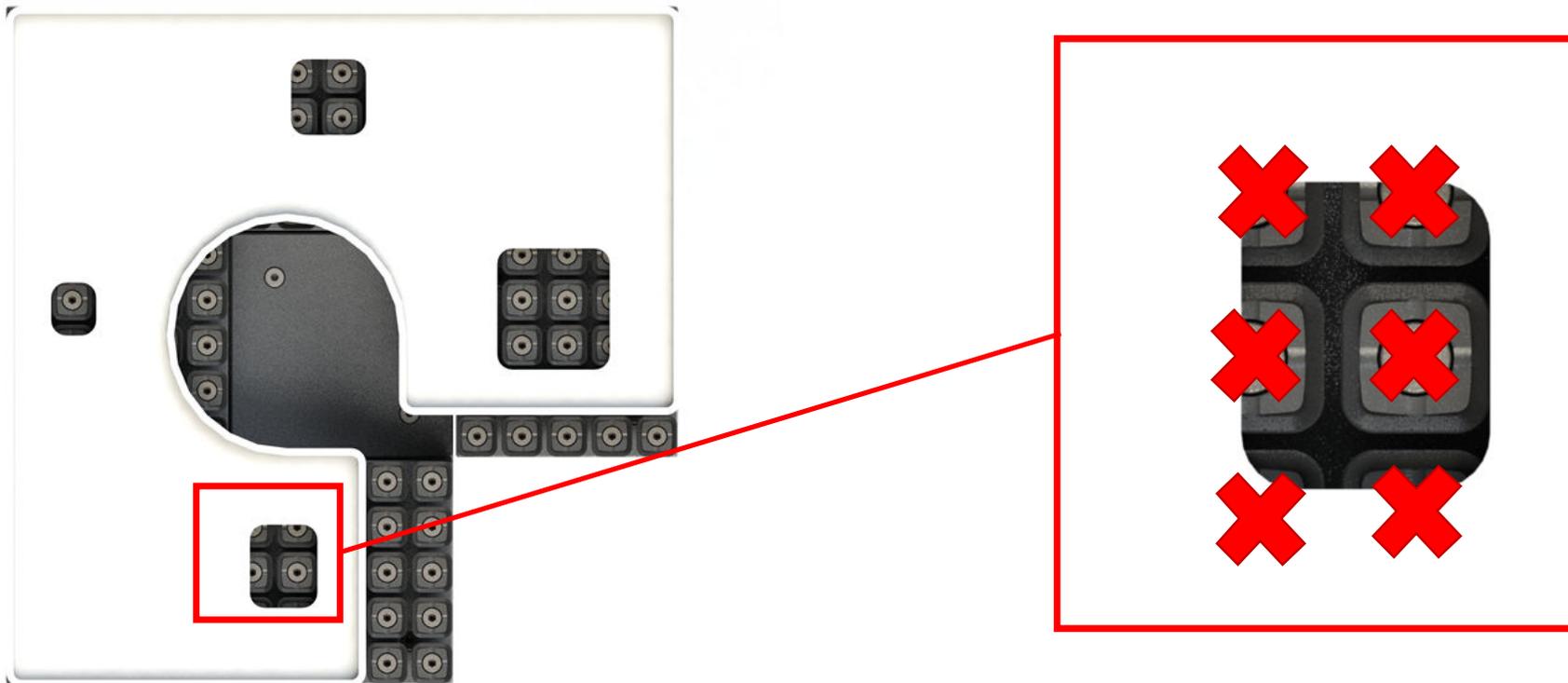


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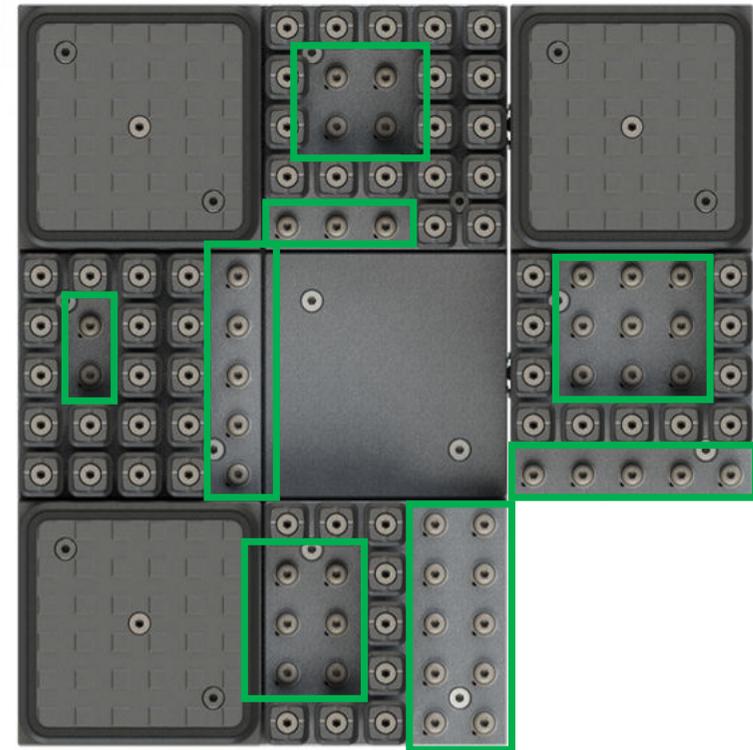
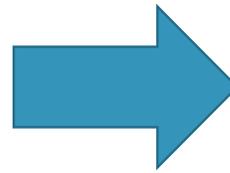
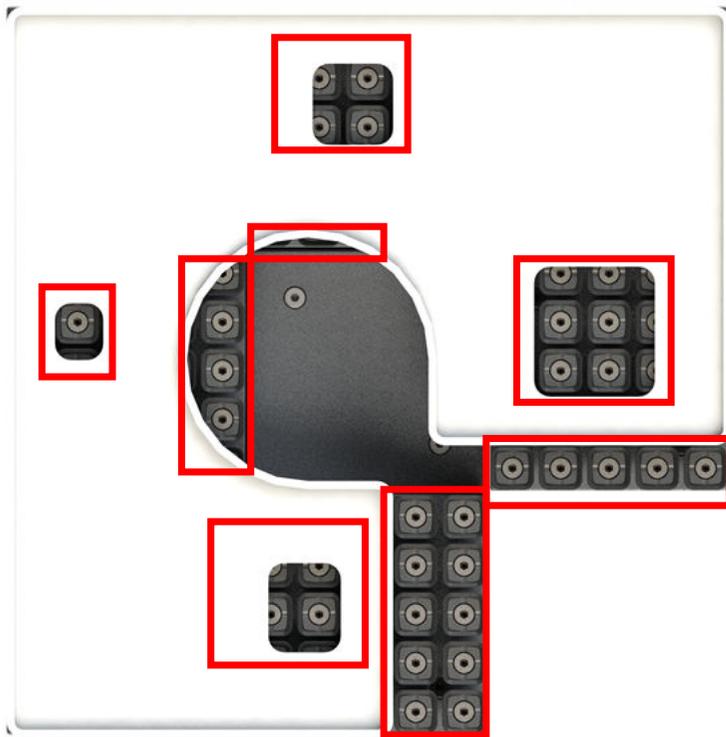


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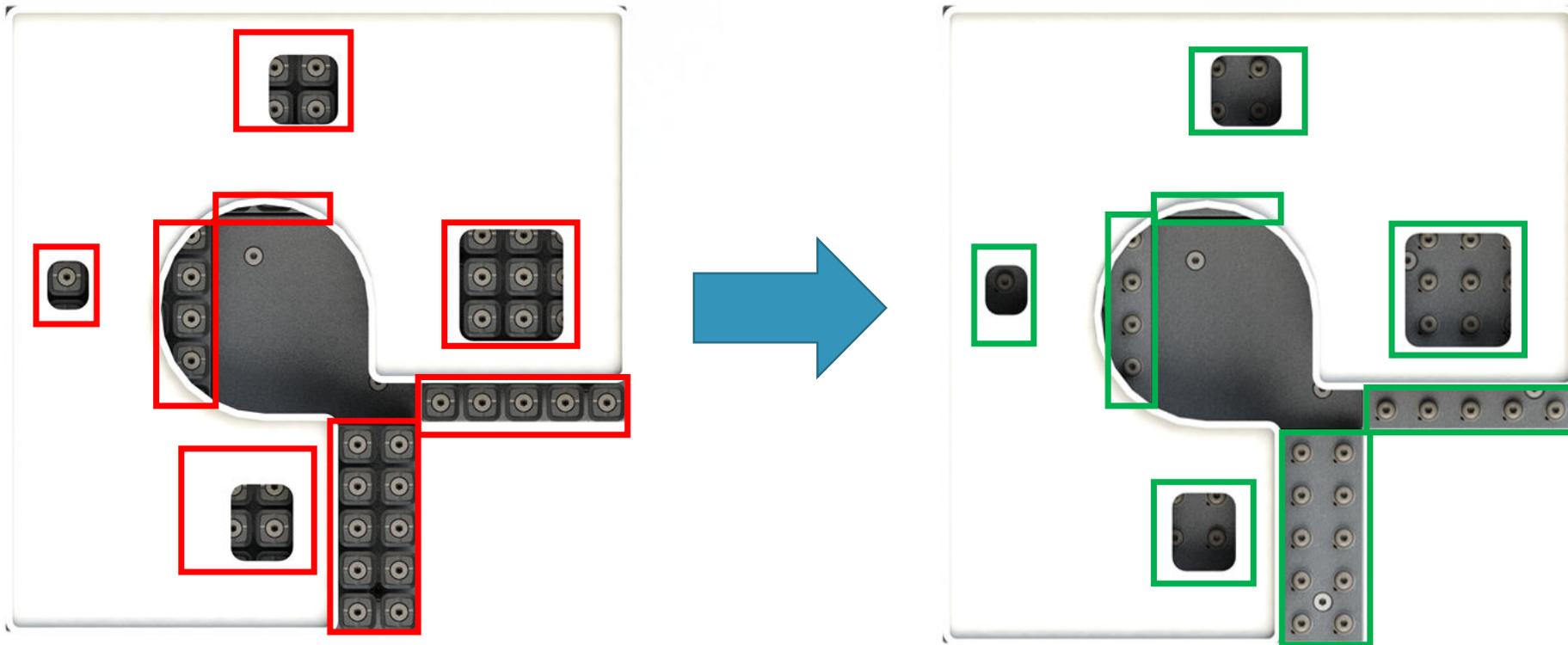


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Optimale Vakuumspannung Best vacuum clamping solution



Optimale Vakuumspannung Best vacuum clamping solution



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Optimale Vakuumspannung Best vacuum clamping solution



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