

FFT *hemtec*
180° - Sunroof

one step ahead in **INTELLIGENT** production systems



FFT*hemtec* 180°

180° Counter Roller Hemming Head |
Automatic Sunroof Hemming System

1

FFT*hemtec* 180°

180° Counter Roller Hemming Head

2

„flying“ Sunroof Hemming System

flexible and space saving

3

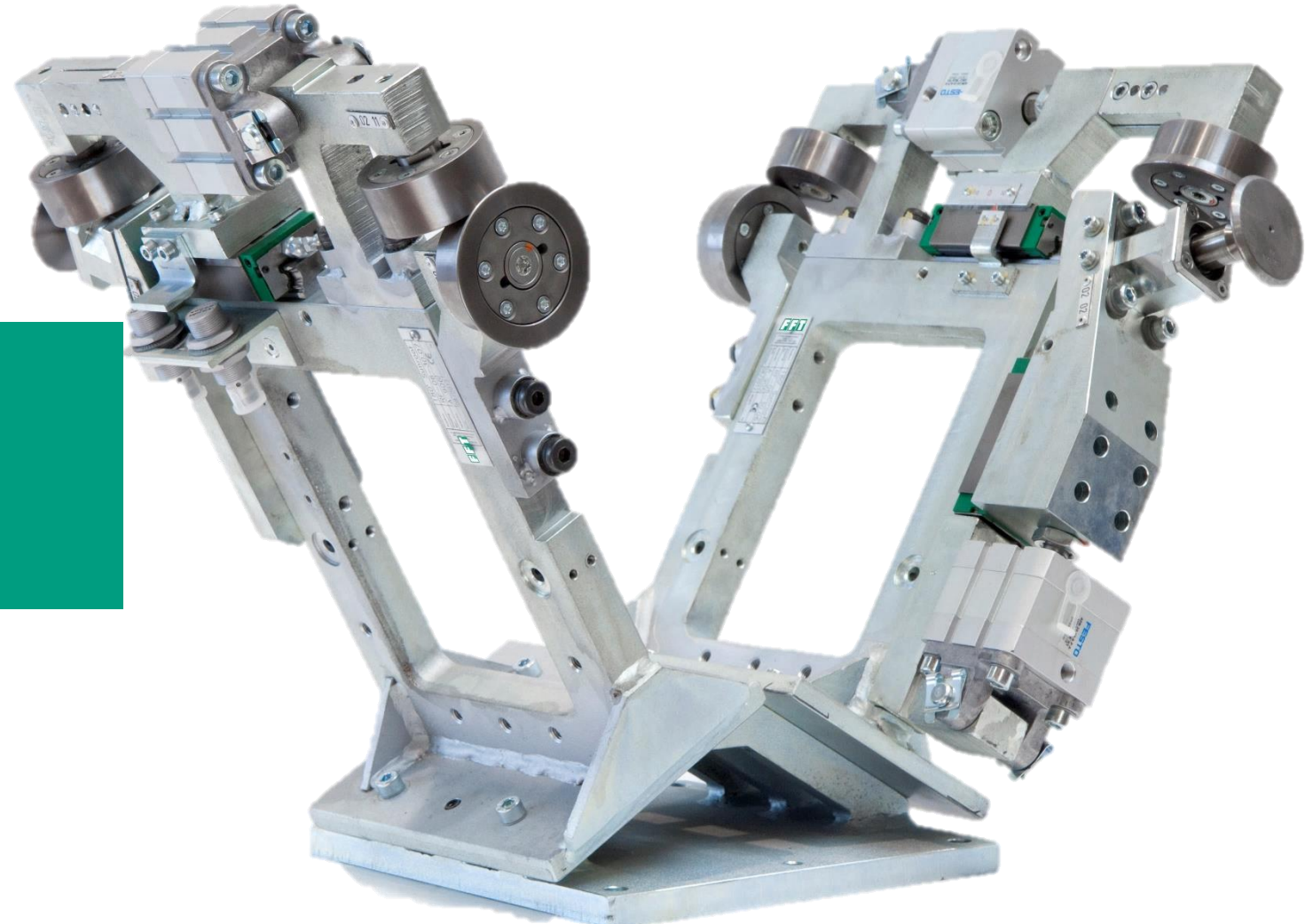
stationary Sunroof Hemming System

the classic version of the FFT Sunroof Hemming System

1

FFThemtec 180°

180° Counter Roller Hemming Head



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Application

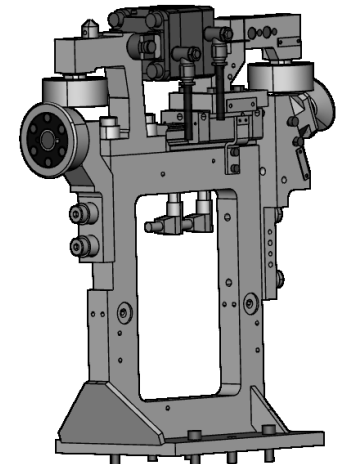
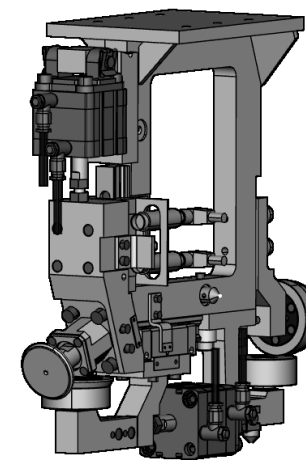
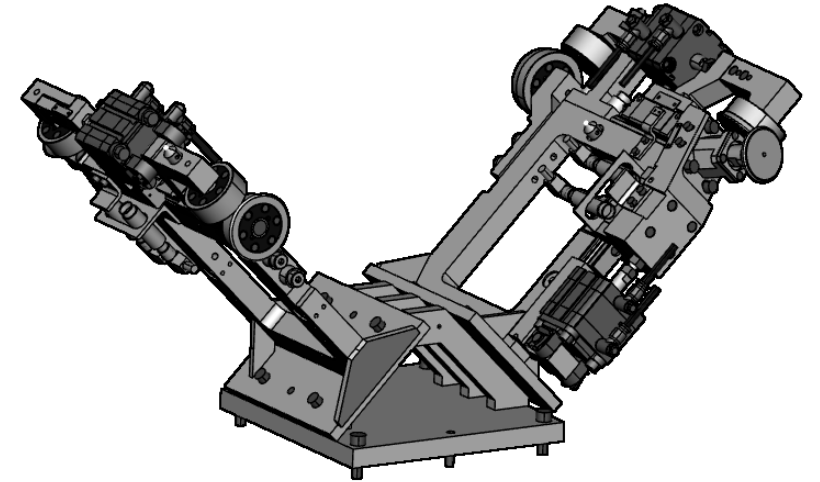
- Sunroof Area
- Side Walls
- Special Hemming Tasks

Hemming Geometries

- Flat Hem

Features

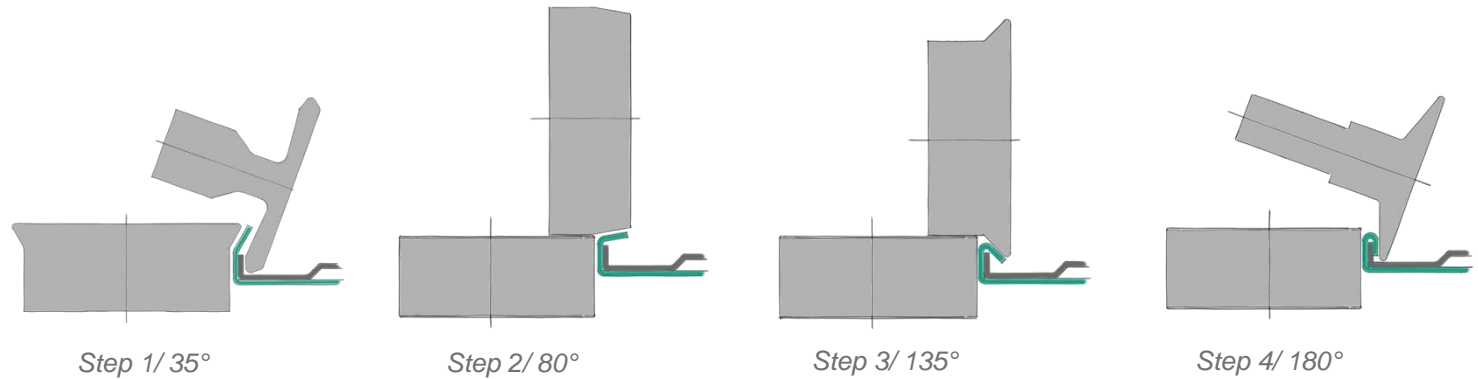
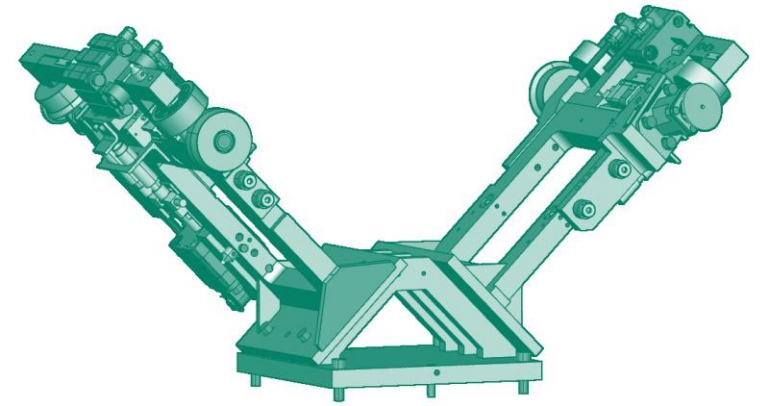
- Counter Roller System for the creation of a 180° hem
- modular Hemming Head – V- Shape or separate Tools
- part tolerances can be influenced by the robot program
- pneumatic opening and closing of hemming rollers
- hemming force can be pneumatically adjusted



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180° Counter Roller Hemming Head – for Steel Parts

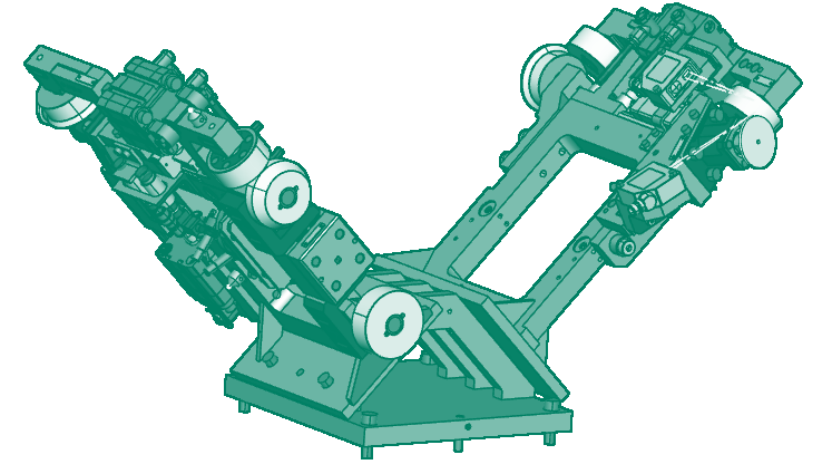
The Roller Hemming Head for steel parts combines four hemming steps on one tool.



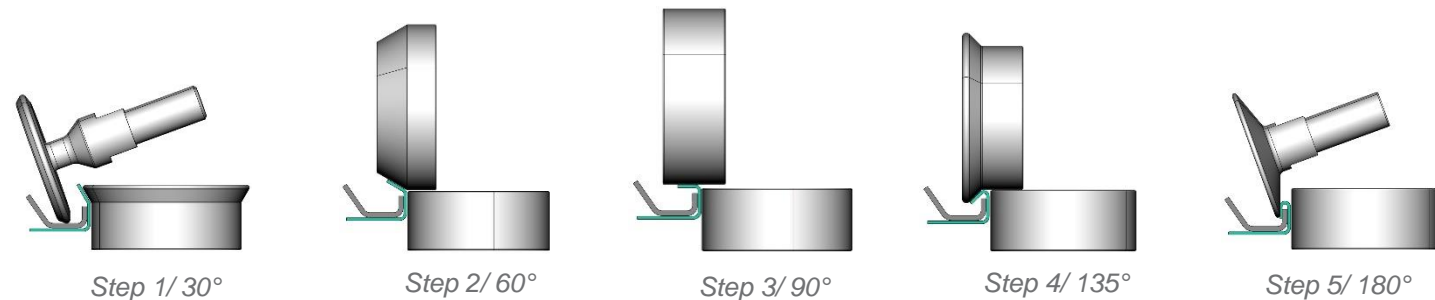
FFT*hemtec* 180°

180° Counter Roller Hemming Head – for Aluminium Parts

The special aluminium version of the hemming head combines five hemming steps on one tool.

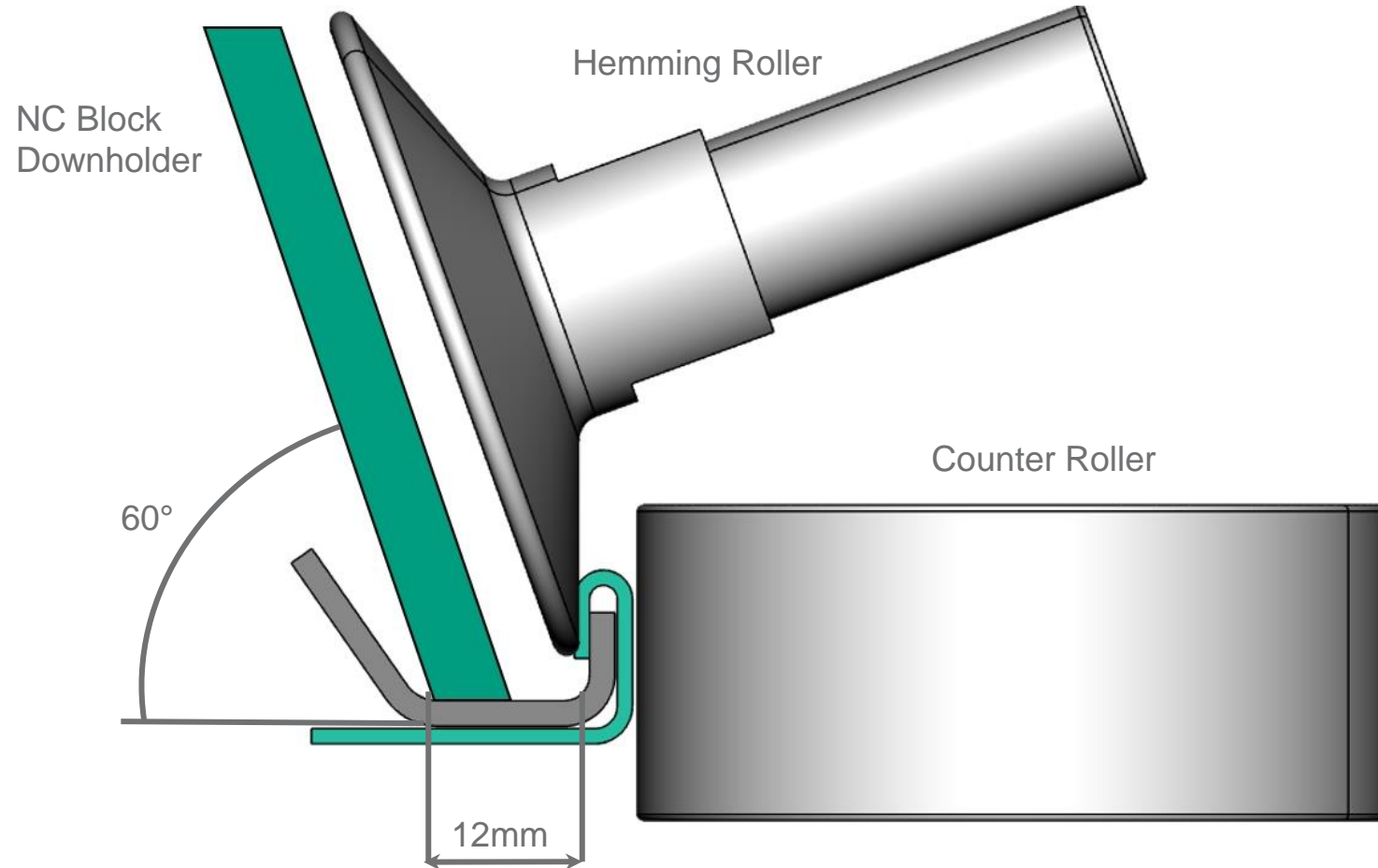


The additional hemming step avoids cracking of the aluminium panel.



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Minimum Space Requirement



2

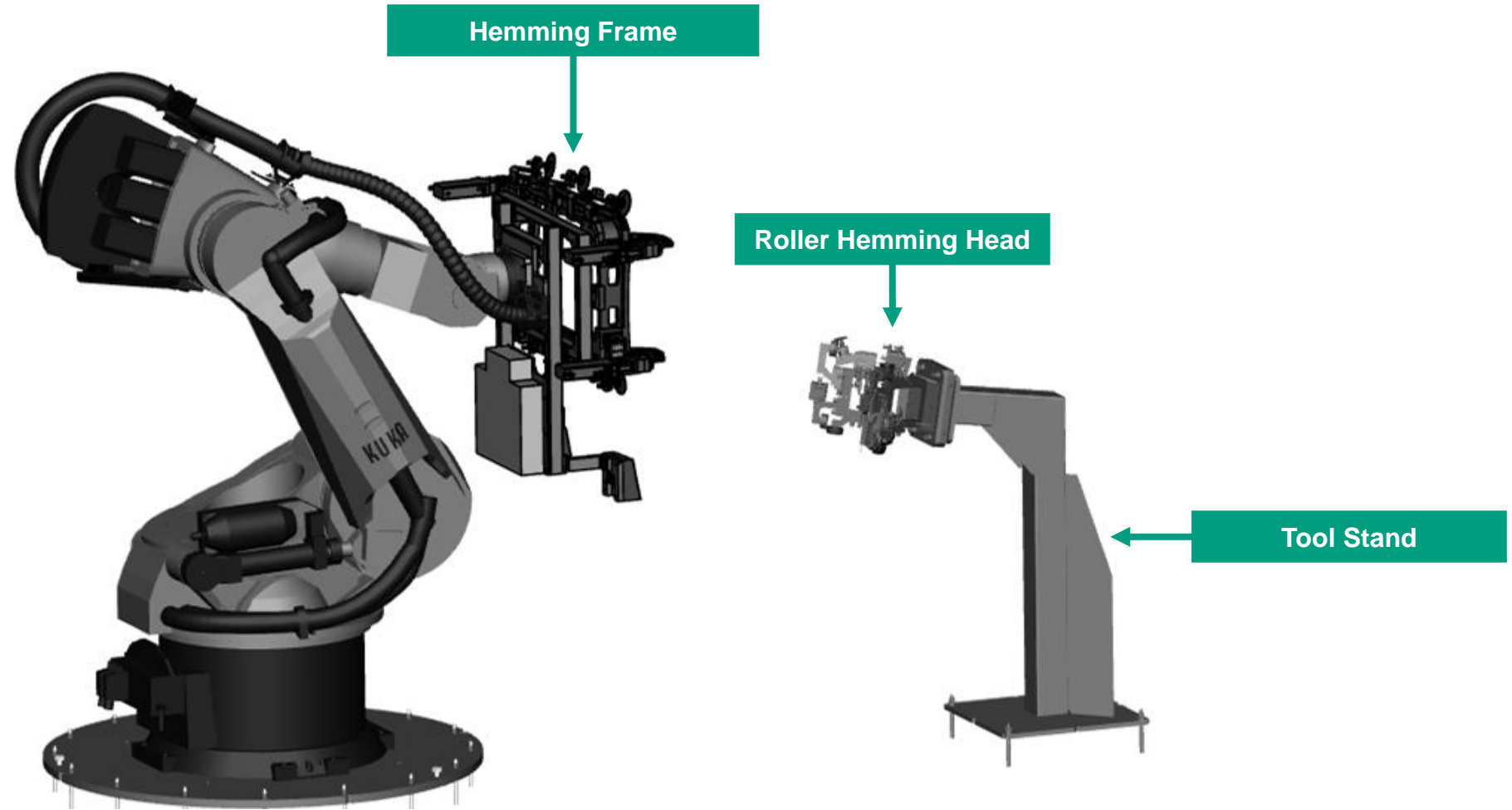
„flying“ Sunroof Hemming System

flexible and space saving

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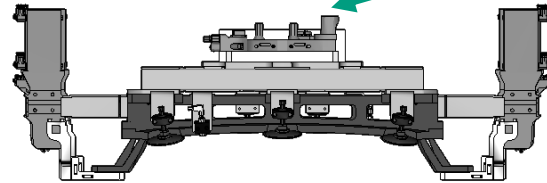
System and Components



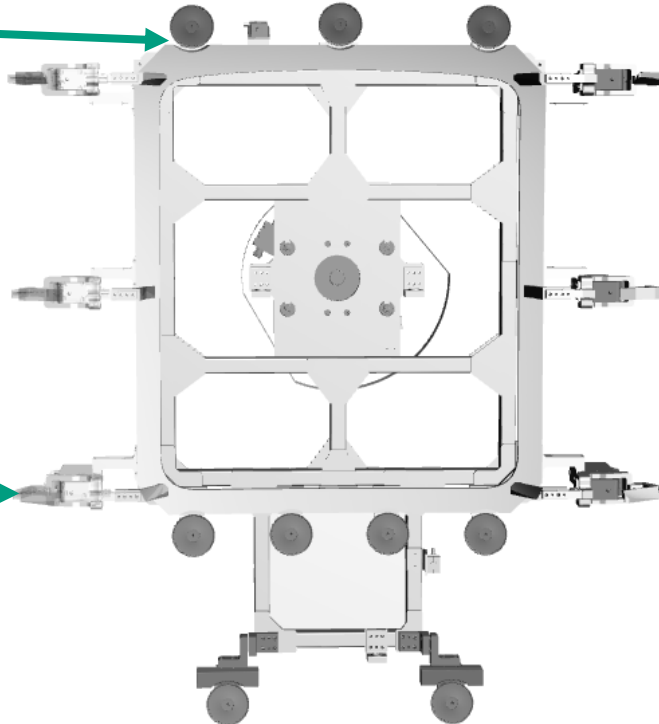
„flying“ Sunroof Hemming System

Hemming Frame

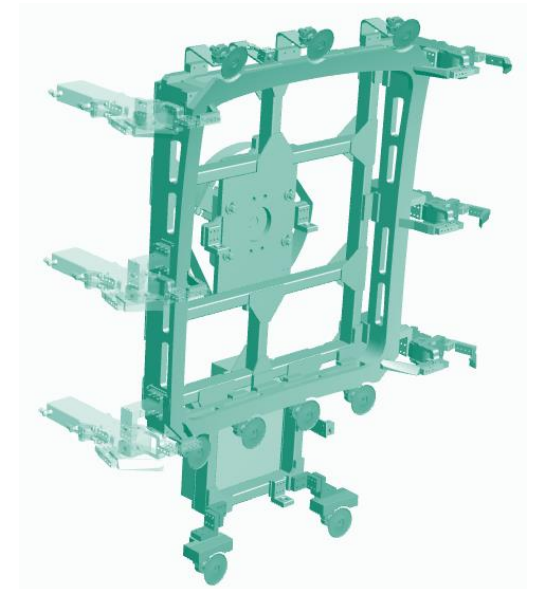
Automatic Tool Changer



Suction Cup



Pneumatic Clamp



3

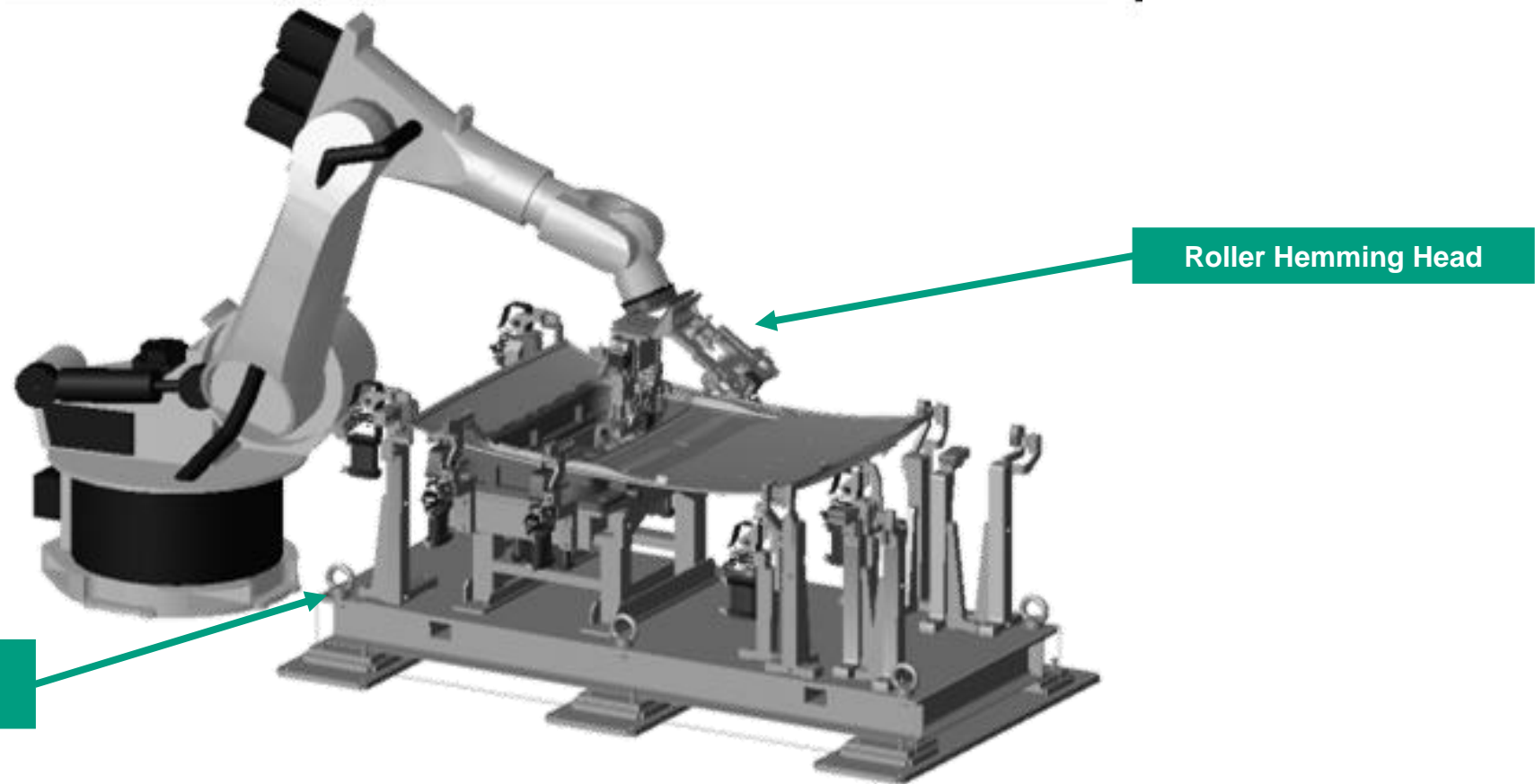
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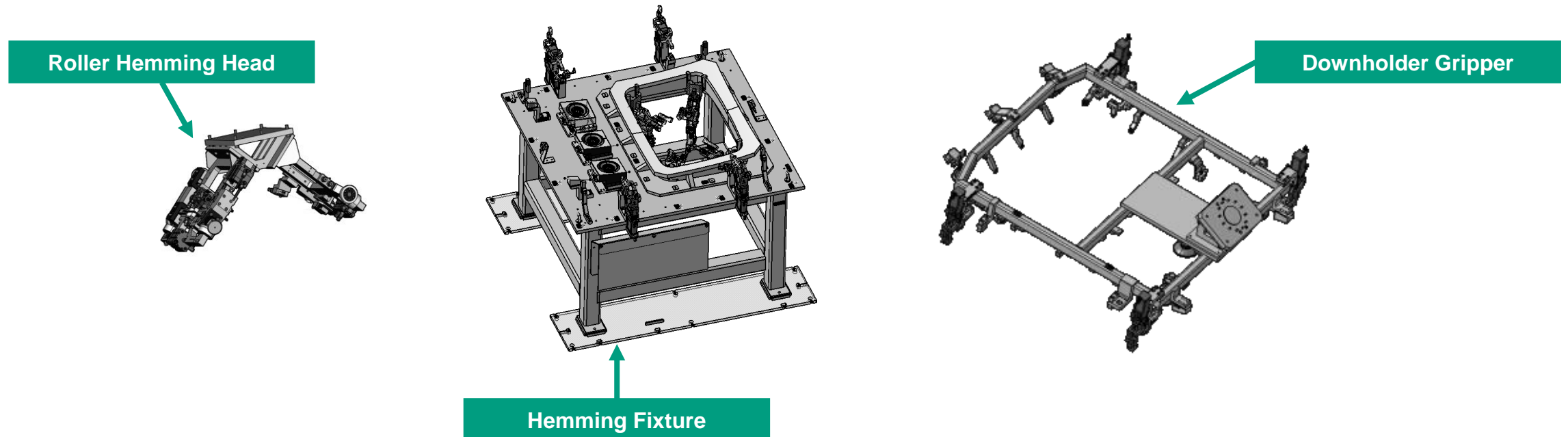
System and Components



stationary Sunroof Hemming System

Fixture Concept

Using a Downholder Gripper Combination, the stationary Sunroof Hemming System can be operated by only one robot.



SERVICE OPTIONS

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We take into account quality and deadline requirements and we assume the responsibility for the project until turnkey handover.



Consulting

Use our experience for your tasks



Project Management

Support from the idea to the start of production



Risk Analysis

Identification of risks in the process



Custom design

Creation of individual solutions



Manufacturing

Successful manufacturing with modern technologies



Documentation

Clear and logical



Conformity

Compliance with standards and regulations



After Sales

Competent service through FFT



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