

**FFT** *hemtec*  
**Roller Cleaner**

one step ahead in **INTELLIGENT** production systems



## **FFT*hemtec* Roller Cleaner**

automatic Cleaning Device for Hemming Rollers

1

### **HEMMING GLUE**

Explanation and Introduction

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### **FFT*hemtec* Roller Cleaner**

automatic Cleaning Device for Hemming Rollers

3

### **TECHNICAL SPECIFICATIONS**

Key Data of the **FFT*hemtec* Roller Cleaner**

# 1

## HEMMING GLUE

Explanation and Introduction

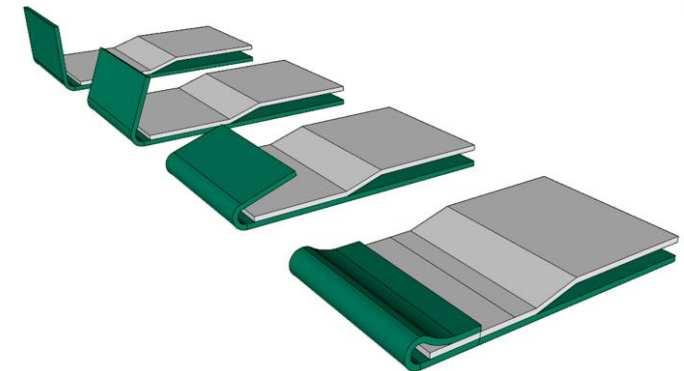
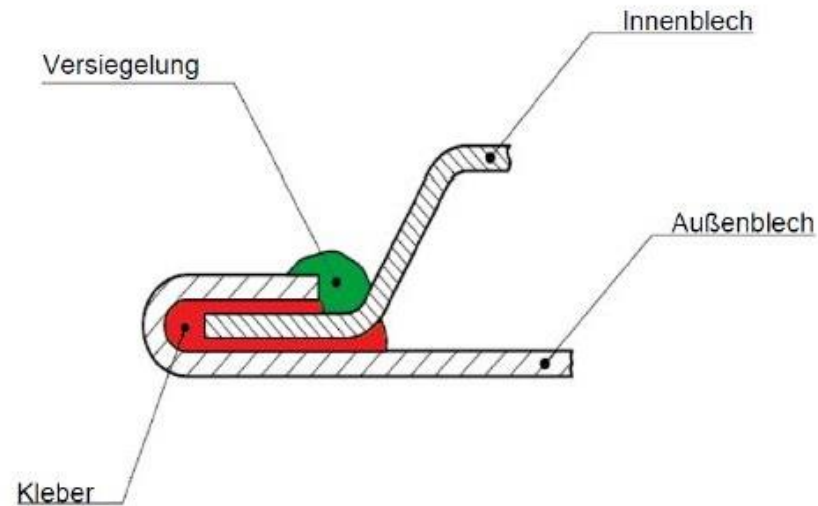
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# FFT*hemtec* Roller Cleaner

## Introduction

In most hemming processes, glue is applied for corrosion protection.

If glue is pressed out of the end of the hemming flange, the hemming rollers are contaminated.



2

## FFT*hemtec* Roller Cleaner

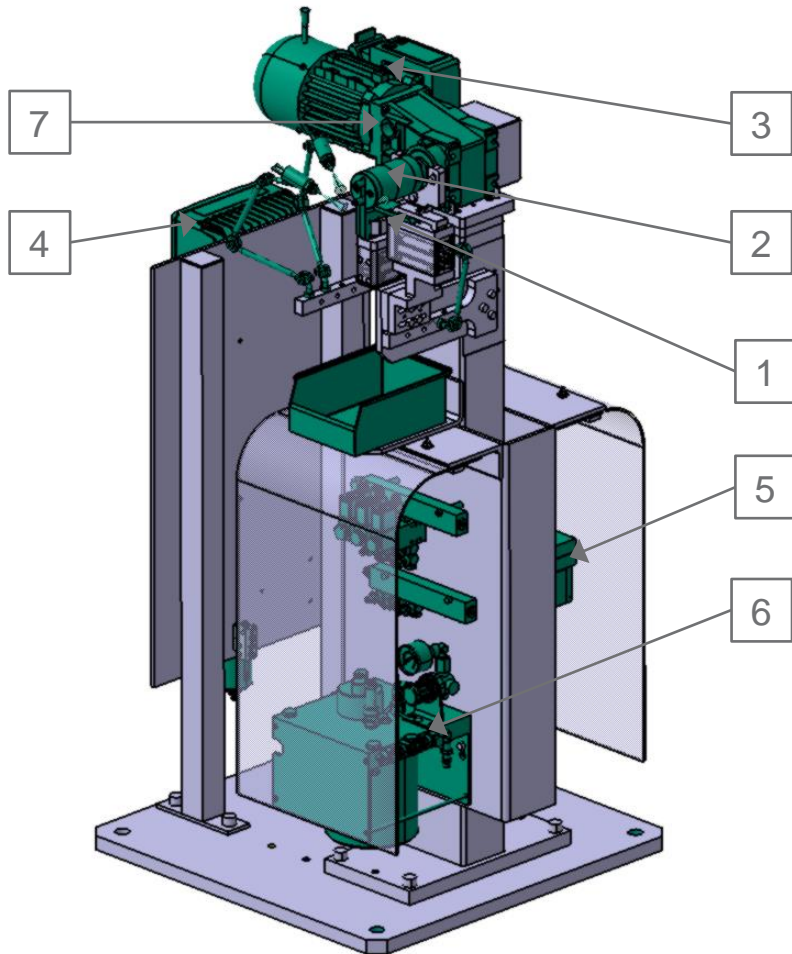
automatic Cleaning Device for Hemming Rollers

The image shows a close-up of an industrial machine. A blue robotic arm with a silver nozzle is positioned to clean a roller. The roller is part of a hemming machine. A yellow strip of material is being processed. The machine has various components, including a motor, a roller, and a hemming head. The background is a plain white wall.

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# FFT*hemtec* Roller Cleaner

## Components

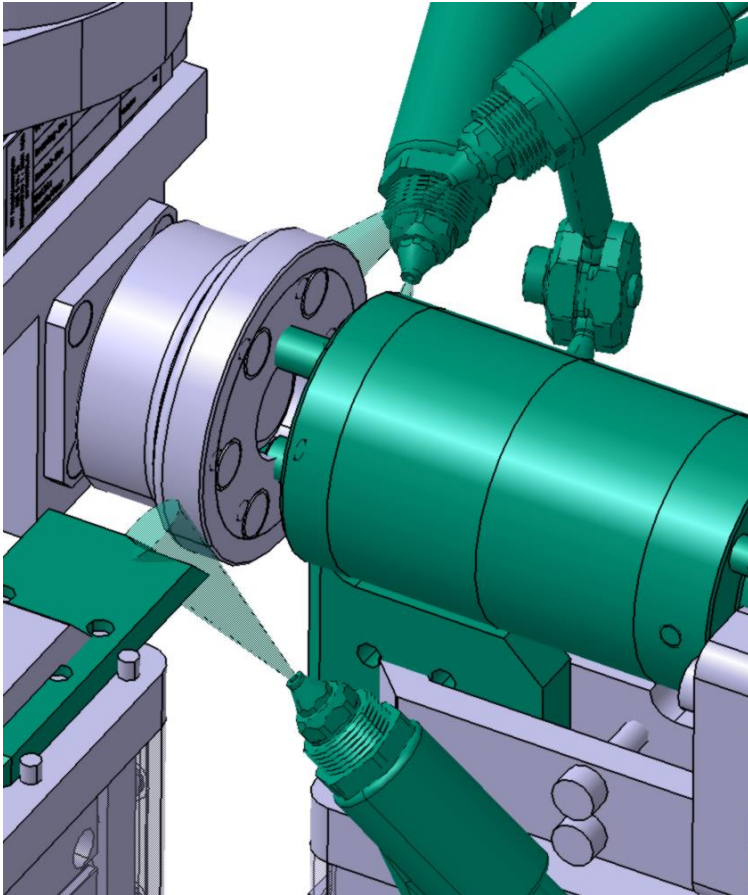


The **FFT*hemtec* Roller Cleaner** automatically cleans contaminated hemming rollers without interrupting the automated production process.

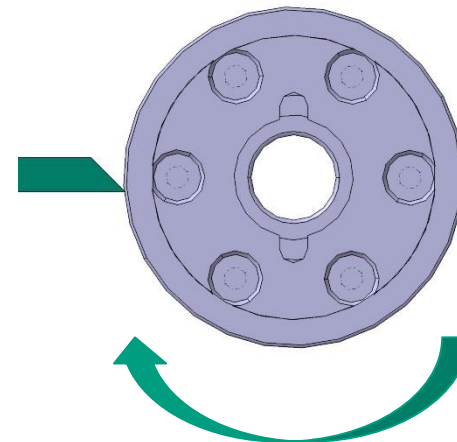
1. Scrapers machined for the cleaning job
2. Drive Element for Hemming Roller
3. Electric Motor
4. Electric Cabinet
5. Valve Cluster
6. Oil Tank
7. High Precision Oil Spray Nozzles

# FFT*hemtec* Roller Cleaner

## Features



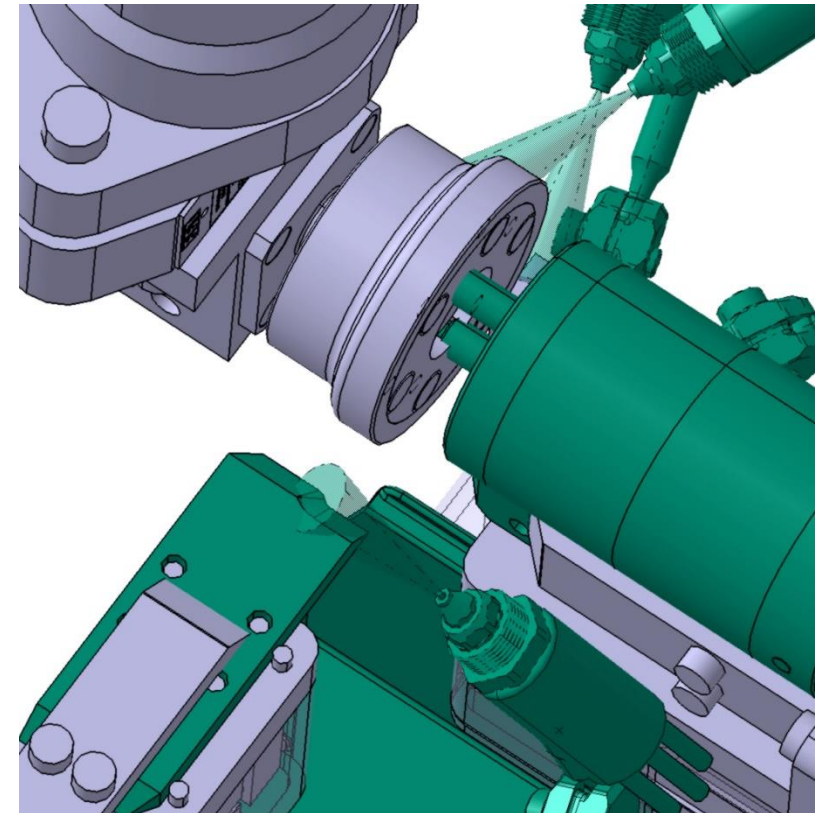
- optimized hemming quality due to continuously clean rollers
- no manual cleaning process required
- no interruption to the automatic process
- minimized space requirement in the production cell



# FFT*hemtec* Roller Cleaner

## Cleaning Process

- To start the cleaning process, the robot aligns the hemming roller in front of the drive element.
- Spring loaded pins on the drive element connect to the hemming roller to rotate it.
- The electric motor rotates the drive element and the hemming roller.
- The hemming roller is coated with a minimum amount of oil. A scraper removes the sticking glue.

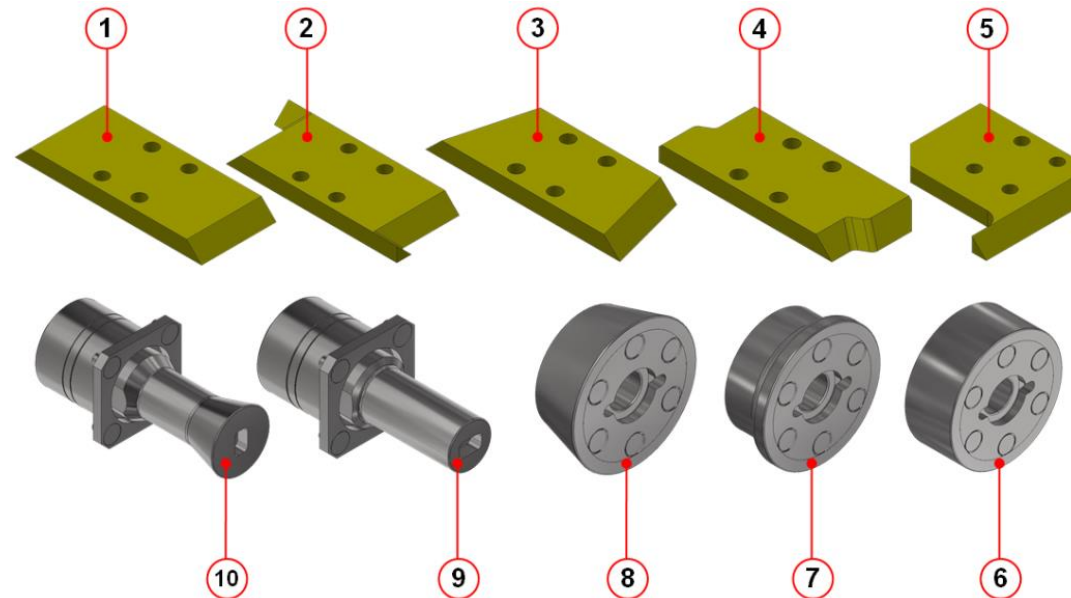





# FFT*hemtec* Roller Cleaner

## Scraper Geometries

Depending on the roller geometry, a specially designed scraper will be manufactured.





We support our customers in efficiently implementing their production systems according to their specifications.

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DO YOU NEED AN  
**INDIVIDUAL SOLUTION**  
FOR YOUR TASK?

# 3

## TECHNICAL SPECIFICATIONS

Key Data of the **FFT<sup>hemtec</sup> Roller Cleaner**

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# FFT*hemtec* Roller Cleaner

## Technical Specifications

<b>Size (L / W / H):</b>	approx. 700mm x 550mm x 1200mm
<b>Cleaning Time:</b>	1,5 Turns of the Roller = approx. 15s
<b>Media Supply:</b>	380V / 50Hz or 480V / 60Hz Power 24V Control Voltage Bus Connection 5 - 6 Bar Air Spray Oil defined by customer standards

# SERVICE OPTIONS

We support your project from the idea to the realization and gladly beyond.



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



# CONTACT

## Your personal contact person

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# THANK YOU

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