

# KULLEN-KOTI BRUSHES

## BRUSH SOLUTIONS FOR THE AUTOMOTIVE INDUSTRY

For bodyworks, engines, rims, tyres...



**Kullen**

— KOTI GROUP —

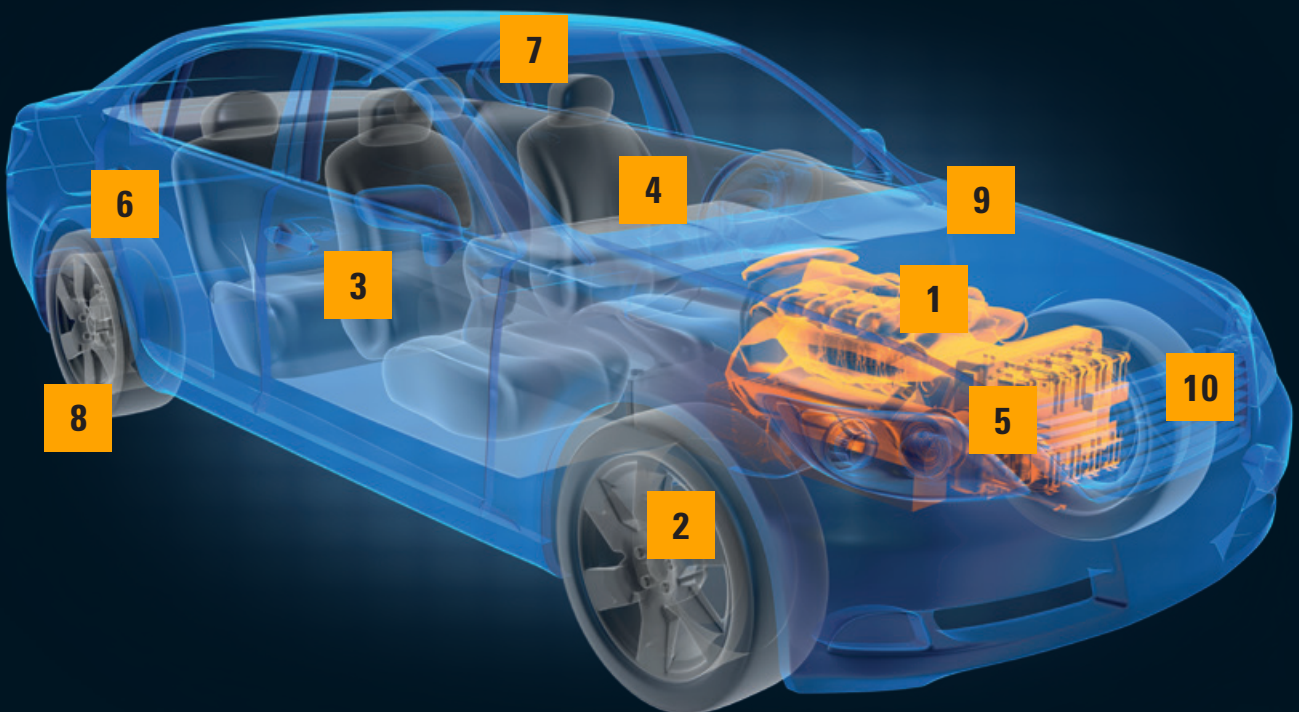
Brushing Solutions

# SOLUTIONS IN PRACTICE

**In the automotive industry technical brushes are an indispensable tool. They are used in the vehicle construction for a variety of tasks in interior and exterior.**

Kullen-Koti brushes meet the high standards in the automotive industry. Due to the wide range of fill materials the result can be influenced specifically. From rough finishing to fine processing, we provide you a reliable and accurate solution.

For more than 100 years we have developed technical brushes with creativity and experience as well as technical know-how. For specific industrial applications of customers in any industry, Kullen-Koti offers just the right brush as well as customized products to solve your individual brushing needs.





## Deburring

### 1. Deburring of aluminium cast parts

In the manufacturing of engine and transmission housings brushes are used to remove burrs efficiently and process reliable. Kullen-Koti offers the suitable deburring solutions for different requirements.

- Roller brushes and disc brushes for improving surface quality.
- Interior brushes for deburring holes and internal threads.
- Rotary wire brushes for deburring edges.



### 2. Machining of aluminium rims

Before coating casted aluminium rims have to be deburred first. Kullen-Koti brushes work extremely effective and with maximum precision on the in- and outside of aluminium rims.

- Circular brushes and disc brushes for deburring and chamfering sharp edges.

### 3. Deburring of plastic

Plastic components in the automotive industry, such as door panels, must be deburred during the manufacturing process. Kullen-Koti brushes are the perfect tools for this job in order to continuously obtain an ideal optimal performance.

- Circular brushes for removing burrs in a safe way.

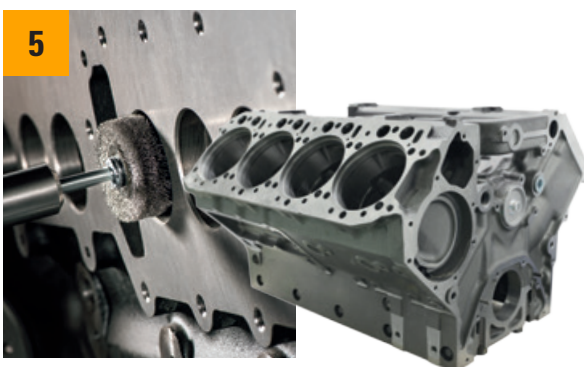


## Surface processing

### 4. Structuring of surfaces

For the manufacturing of aluminium components in the decorative sector brushes can be also used for footboards and loading areas to achieve a variety of effects, so that the required appearance of the surface will be realized.

- Circular brushes for structuring and smoothing surface.



## Cleaning

### 5. Cleaning of aluminium components

At the cutting process Kullen-Koti brushes remove chips at cylinder liners. The brushes work very clean and quick. They are for example also used for cleaning of catalyts.

- Single section and disc brushes for surface cleaning.
- Interior brushes for cleaning bores.

## 6. Removing of rubber residues

In the vehicle production, during different fabrication steps, residues are generated. They must be removed. Brushes remove for example adhesive, excess rubber residues of components like shock absorbers and make them ready for the next step.

- End brushes for removing residues.



## Textile processing

### 7. Manufacturing of needle felt

High-quality velour or needle felt in the automotive sector create a pleasant atmosphere and have an excellent noise damping effect, for example in the car headlining. In order to produce such a good quality of velour or needle felts, special brush segments for clamping frames are used in textile finishing.

- Kullen-Koti brush segments for needle looms for needling in the form of a peripheral homogenous brush belt.



## Roughening

### 8. Tyre retreading

For this application the running surface is removed first. After that the surface of the remaining rubber carcass is roughened. Brushes give you an optimal support and guarantee quality and safety for re-treaded tyres.

- Circular brushes for roughening tyres.



## Before coating: removing dust and electrostatic charges

### 9. Removing dust and electrostatic charges

Fine dust is an important issue in the automotive industry. For example the vehicle bodies must be completely freed of even the tiniest particles of dust before painting, in order to prevent blemishes in the paintwork. Electrostatic charges also attract dust. Brushes provide a safe and reliable solution.

- Ostrich-feather roller brushes for removing dust and electrostatic charges in the automated production process.



## Stripping

### 10. Stripping of cable ends

Precision is most important for preparation of cables. This means stripping of cables and wires without damaging the single conductors. Brushes are arranged in opposite directions in automated production processes to strip cable ends – for example at the manufacturing of alternators.

- Circular brushes for stripping machines.

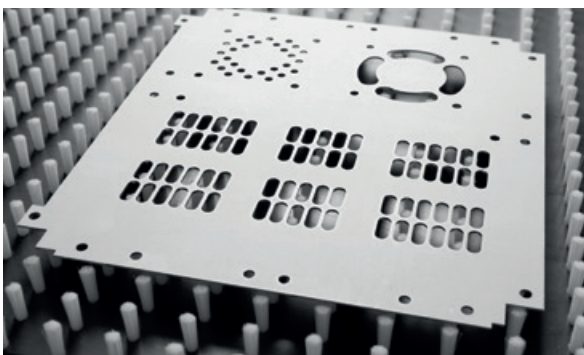




### Sealing

There is hardly any other type of brush which is so versatile in its application as sealing brushes. Kullen-Koti brushes form a perfect seal to dust, draught, water, light, heat, noise and dirt. At wheelhouses of buses Kullen-Koti sealing brushes prevent splashing of dirt and water on the sidewall of the bus.

- Sealing brushes for stopping dirt and debris.



### Transporting

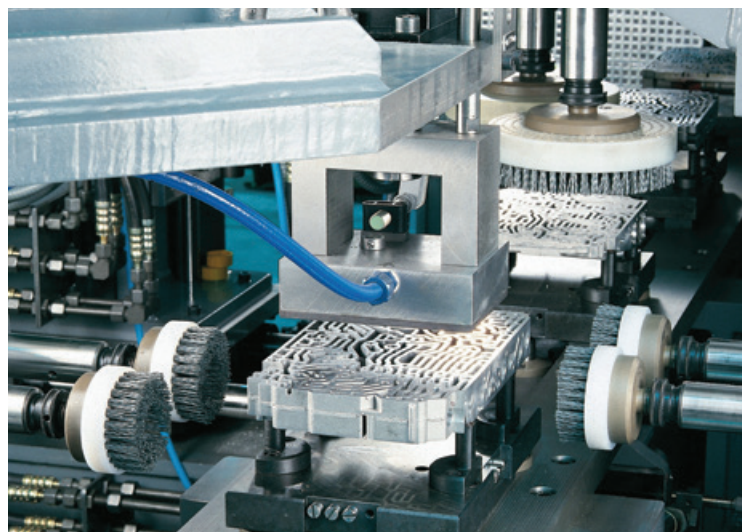
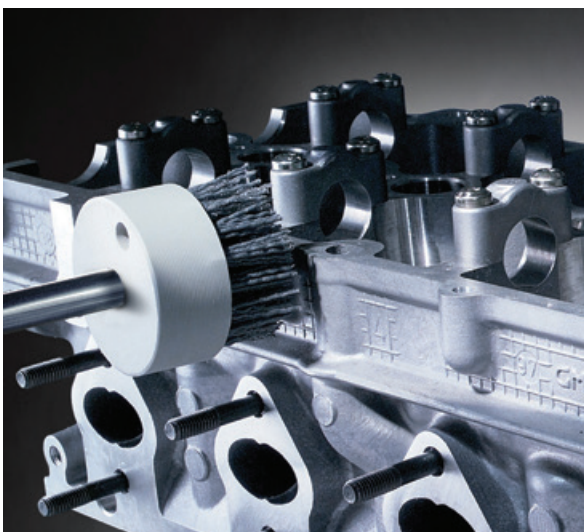
During transportation of sensitive products, such as completed metal sheets for vehicle, a safe movement of the product is extremely important for its protection. Brushes ensure a careful transport at any time.

- Brush plates and Roller brushes for optimal transportation.

### Fill materials

Kullen-Koti automotive brushes are filled with materials such as wires in different qualities, abrasive filaments, synthetic filaments, steel wires, natural bristles and plant fibres. We are able to provide solutions for your application.

Our experts will be pleased to answer any questions relating to our brush solutions for automotive industry and provide any other information you may need.



# Unlimited possibilities



Kullen-Koti brushes fit perfectly in your production process. They make products ready for use. Brushing solutions from Kullen-Koti support numerous applications in the automotive industry such as:

- Deburring
- Surface treatment
- Cleaning
- Textile processing
- Grinding
- Removing dust
- Antistatic
- Stripping
- Sealing
- Transporting

...and many more!

## **KULLEN-KOTI GmbH**

Member of the KOTI Group  
Address: Am Heilbrunnen 83  
72766 Reutlingen Germany  
Tel.: +49 (0) 71 21/142-0  
Fax: +49 (0) 71 21/142-260  
E-mail: [post@kullen.de](mailto:post@kullen.de)

[www.kullen.com](http://www.kullen.com)

  
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