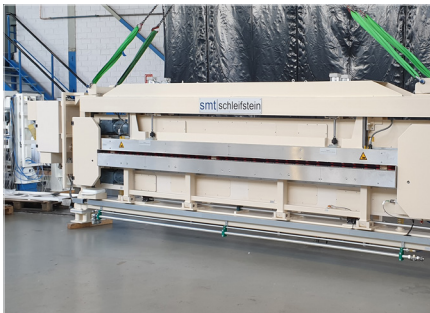




## CROSS BRUSH CLEANER



## smt | The Company

SCHLEIFSTEIN Maschinentechnik GmbH (**smt**) has been developing and designing dry cleaning systems for blanks and coils in the automotive press shop for over a decade.

The Cross Brush Cleaner CBC from **smt** was designed specifically for the requirements and needs of the manufacturers and suppliers of the automotive industry, and can be configured in a

modular way from an individual brush traverse to a fully equipped machine.

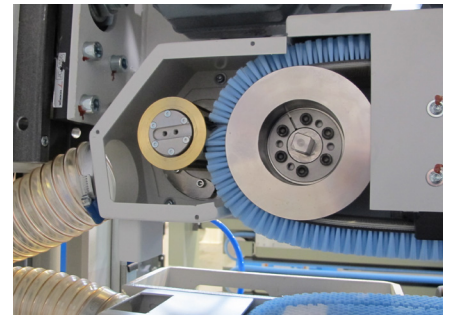
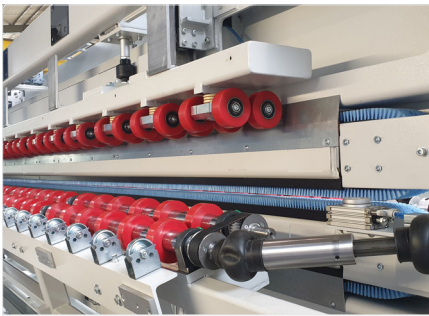
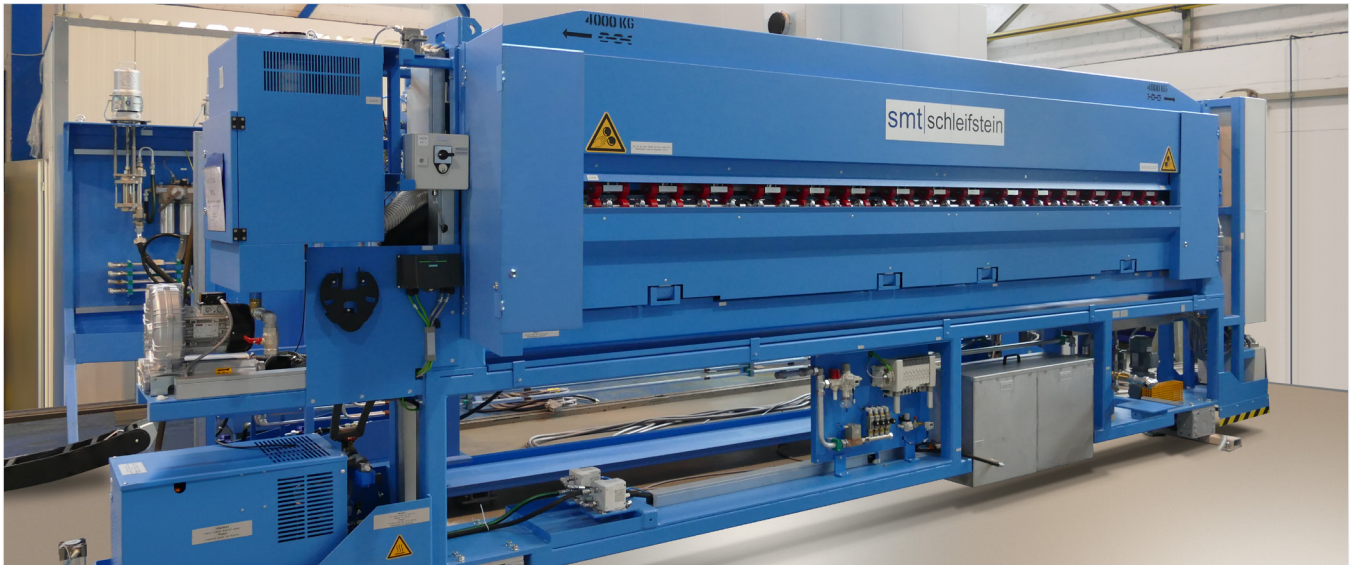
The **smt**-Cross Brush Cleaner is ideally suited for a combination with a **smt**-Spray Lubrication System. For this, **smt** also provides suitable transport and conveying technology with the necessary infrastructure and connection to existing machines.

## smt | Dry-Cleaning in the Press Shop

The Cross Brush Cleaner from **smt** is used where blanks and coils with light to medium surface dirt must be cleaned prior to the forming process or further processing. The dry-cleaning process has been well-approved also for outer car body panels. Moreover, for certain applications no washer can be used.

The **smt** Cross Brush Cleaner, as expected, is a solid design for permanent operation in press shops, and is available in various

sizes for blank or coil widths from 500 mm to 5,000 mm. The customer can select from various design levels and options. It is known for its compact and maintenance-friendly design as well as for a high degree of automation. The cleaning function is continuously controlled and adjusted by means of special sensors and actors.



## smt | Cross Brush Cleaner CBC

The Cross Brush Cleaner from **smt** cleans oiled as well as non-oiled steel- and aluminum blanks on both sides, and also aluminum blanks that are coated with dry lube. Loose and adhering particles in the blank surface are reliably removed. In addition, the production can be switched from steel to aluminum without any problems. For this purpose, the hot steam cleaning developed by **smt**, is used as an additional option, which additionally cleans the brushes of oil, lubricant and particles efficiently and gently without wetting the blanks.

No special liquids, apart from water, are required for hot steam cleaning. For this, the steam generator and the water tanks are integrated in the machine frame. The water supply can also be connected directly to the plant supply for automatic filling.

In the area of the rotation stripper, excess dry lube is heated and transported directly into the collecting container.

### The **smt** Cross Brush Cleaner CBC has the following advantages and features:

- Reliable and efficient cleaning of blanks and coils
- Modular individual components and design options available
- Solid welded steel construction suitable for the use in press shops
- Easy production material change steel/aluminum
- Cleaning and removal of dry lube deposits
- Brush collision protection
- Automatic and exact brush adjustment
- High passing speeds
- Solid and powerful conveyor system
- No slippage or lateral offset of the blanks
- Cleaning of Tailor Welded Blanks
- Cleaning of double unattached blanks with different blank thickness
- Condition Monitoring
- Comfortable and state-of-the-art operation
- Robust and compact design
- Good accessibility to all modules and components
- Long service life of the brushes
- Very short brush change-over times
- Easy integration in new installations and existing press lines

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