



CROSS BRUSH CLEANER



smt | The Company

SCHLEIFSTEIN Maschinentechnik GmbH (**smt**) has been developing and designing dry cleaning systems for the press shop for almost 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.

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.

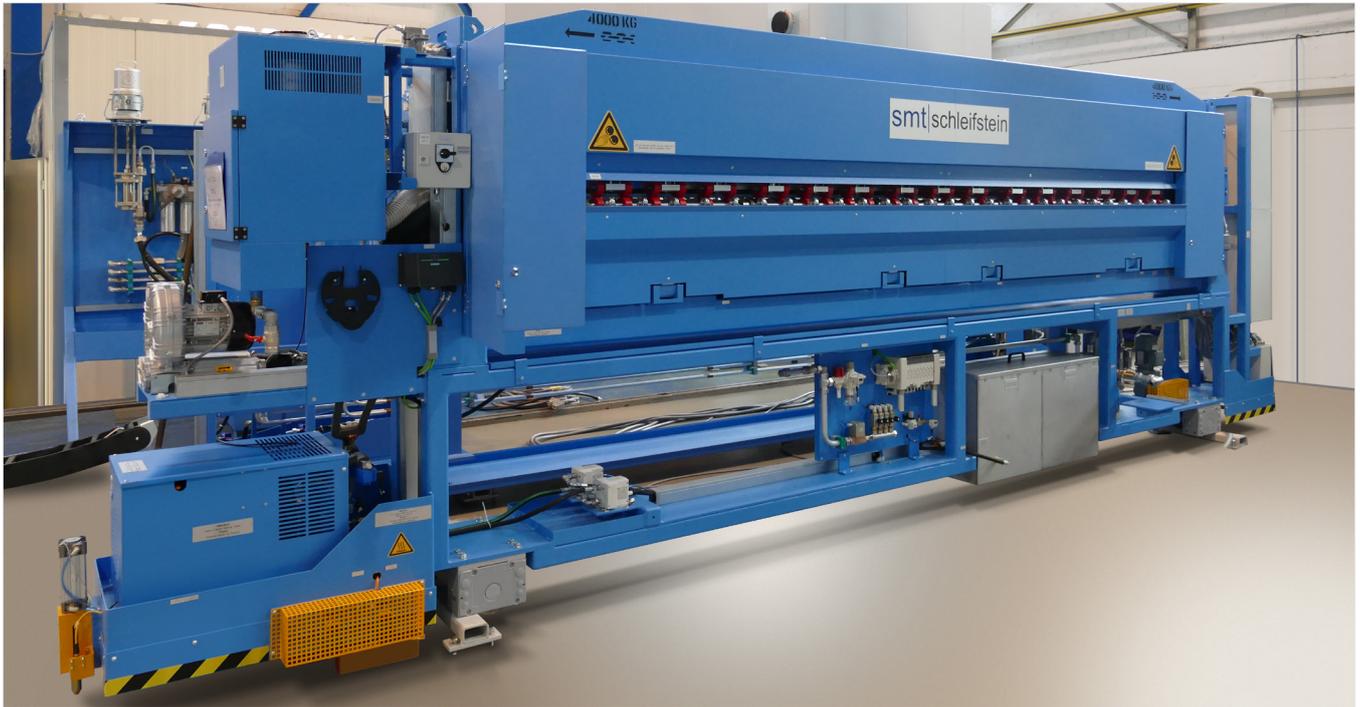
smt | Dry-Cleaning in the Press Shop

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. 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.

The **smt**-Cross Brush Cleaner is fully compatible for the cleaning of aluminum blanks with dry lube coating. Moreover, the change-over production of steel/aluminum is possible without issues.



smt | Cross Brush Cleaner

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.

The production change-over from steel to aluminum (or vice versa) is possible without any issues due to a special cleaning

process of the brushes during the die change period, without the contamination with foreign particles.

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

The smt-Cross Brush Cleaner has the following advantages and features:

- Reliable and efficient cleaning of blanks and coils
- 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

SCHLEIFSTEIN Maschinentechnik GmbH

Headquarter

SCHLEIFSTEIN Maschinentechnik GmbH

Siegstraße 92

D-57076 Siegen

Fon +49(0)271/77 51-0

Fax +49(0)271/77 51-150

info@schleifstein.de

www.schleifstein.de

smt North America

smt Machines & Automation, Inc.

300 W Huron Street

Pontiac, MI 48341, USA

service@smt-automation.com

www.smt-machines.com

smt Asia

Guangzhou smt-DC Machines & Automation Co., Ltd.

Room 3403A, 34 / F.

North Tower, The Guangzhou World Trade Center,

No. 371 - 375, Huanshi Dong

Lu, Guangzhou, China