

# Best Practice Cleaning of furniture panels



Surface Cleaning Technology



**WANDRES**  
micro-cleaning

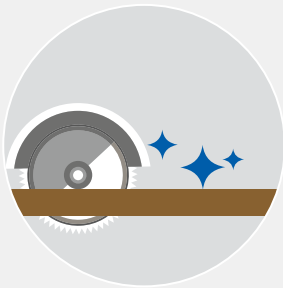
# Cleaning in mass production

## The challenge

During drilling, milling or sawing, large amounts of chips and dust occur. They lead to disturbances in the production process and may reduce the product quality. When parts are stacked, particles are pressed into the surface and may damage it. During transport, particles very often cause scratches on the surface.

## The solution

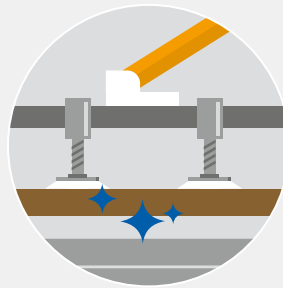
Combi Sword Brushes from Wandres may easily be integrated into new or existing production lines. They provide perfectly clean surfaces within industrial production processes. Cleaning performance is consistently high and particles and dust are effectively removed even in 24 / 7 operations.



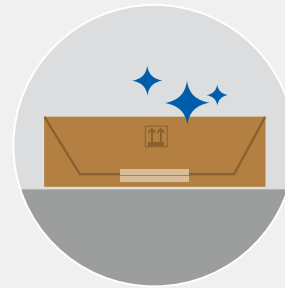
After processing



After edge-banding



Before stacking



Before packing

# Furniture panels with spotless surfaces

## New model: The Combi Sword Brush Una U 121

At the infeed, the suction channel, type Trans-Vac-Unit TKL 46, absorbs large amounts of larger particles and provides for a clean production environment. The two Sword Brushes that follow are equipped with special micro filaments. They clean the upper and lower surface of the panels without using any cleaning agents.

## Advantages of cleaning technology

- No cleaning agent needed
- Effective cleaning with micro filaments
- Reliable continuous operation
- Low operational costs
- Reduction of rejection rates

Combi Sword Brush Una U 121  
with Trans-Vac-Unit TKL46



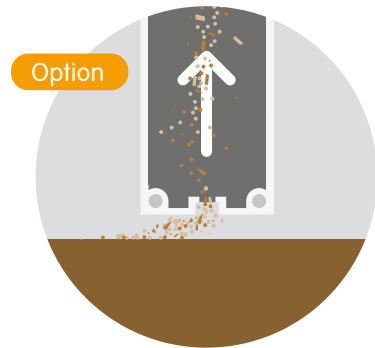
# Clever cleaning technology

## Air and wipe technology optimally combined

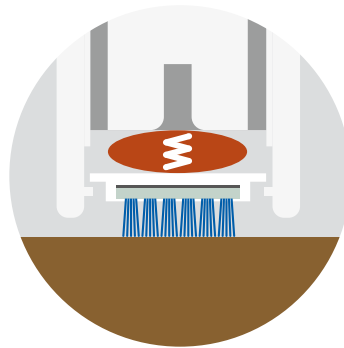
The Trans-Vac-Unit TKL 46 serves as an optional pre-cleaning device and absorbs larger particles. It ensures a clean production environment and disburdens the brush cleaning process. The circulating linear brushes are mounted flexibly on top of a pressure buffer, which compensates surface variations. The filaments stay in perfect contact with the surface.

## High-performance cleaning without cleaning agents

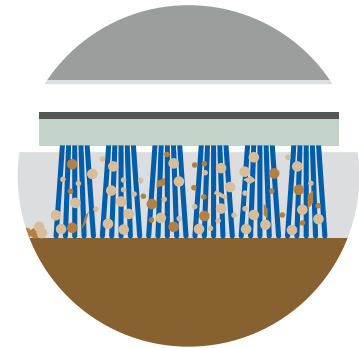
The fine micro filaments offer a particularly large contact surface and a special deep-cleaning effect that thoroughly removes even the finest dust particles. A self-cleaning unit regenerates the linear brushes for continuous industrial operations. Particles are removed from the brush and transported to the suction system.



Trans-Vac-Unit TKL 46



Pressure buffer



Micro filaments

/// We have had excellent experience with the Wandres Combi Sword Brush, also in long-term operations. The panels are completely clean and may be stored safely in our warehouse.

Sébastien Friedrich, Industrial Development Manager, Schmidt Groupe



### Watch Video

Scan to have an overview on the topic "Cleaning technology for boards & panels"



# Surface Cleaning Technology

When particles and dust on surfaces cause flaws and rejections during production, Wandres provides the best cleaning technology. Wandres' machines deliver outstanding cleaning results in 24/7 industrial production and are in action all around the world. Wandres collaborates with an international network of sales and service partners in 46 countries and has subsidiary companies in the USA and China.

At Wandres' production site, located close to Freiburg im Breisgau in Germany, a team of over 140 employees develops, produces and markets innovative cleaning machines. More than 80% of the components for Wandres' machines are produced in-house using cutting-edge technology and engineering. A high level of in-house production ensures that Wandres remains independent and guarantees short lead times and high quality standards for Wandres' customers.



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