

## Practical Examples

WEKO application systems are employed in a wide variety of uses. The modular design and the large dynamic range permit adaptation to most of the customer requirements. Even small application quantities can be applied uniformly and with reproducible results.



### Anti-block/ Silicon

WEKO-SIGMA – Effective agents such as anti-block or silicon are applied to prevent the foils from adhering together.



### Anti-fogging

WEKO-SIGMA – When processing deep-drawn food packaging, the foil is not allowed to fog on the inside, e.g. through temperature changes. The required functional layers can be reliably applied with the WEKO-SIGMA.



### Anti-static

WEKO ESC - Plastic films in motion are prone to become electrostatically charged. By an application of a very thin powder layer with our WEKO-ESC many processes can be improved



WEKO

**WEKO Application  
Systems For Liquids  
And Powders On Foils.**

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**Anti-block/Silicon,  
Anti-fogging And Anti-static**

# WEKO-SIGMA

## Liquids Application System

The WEKO rotor application system is particularly suitable for coating foils. It allows you to apply various functional layer on your products.

The individual adaptation of the rotor application system to a variety of application-specific requirements permits us to achieve the best results with an optimal level of automation and convenience of use for the operator.



### Function Principle

Application is performed through special spray disks/rotors arranged side by side. A supply unit provides them with the desired liquid quantity.

The rapid rotation of the rotors produces a constant flow of microscopically small droplets. Adjustable sliders create a defined spray fan for each rotor.

The individual spray fans are seamlessly arranged side by side providing uniform application.

### Benefits

- precise application quantity, across the whole range
- reproducibility
- wide dynamic range
- great long-term consistency
- use of various substances
- economic handling of application medium
- low energy consumption



# WEKO-ESC

## Powder Application System



The WEKO-Electrostat-C System neutralizes electrostatic charges of the foil using ionizing bars.

This allows uniform powder spraying on foils by the WEKO-AP system, regardless of the climatic conditions and electrostatic charges of the foil.

The complete WEKO-ESC system represents the perfect interaction of these two components.

### Function Principle

The modular system concept of the WEKO-ESC is the basis for a

low-dust even powder application on foils with high surface charges. The material web is guided through the spray chamber without touching it.

An extraction facility can be integrated to achieve cleaner environmental conditions.

### Benefits

- precise application quantity, across the whole range
- reproducibility of minimum quantity changes
- wide dynamic range in regard to the application quantities
- width up to 4 m maximum size
- automatic powder rate adaptation
- powder application in an encapsulated spray chamber
- economic handling of application medium
- user-friendly

