KIST + ESCHERICH

# CROSSJET 180

Contactless cleaning system for webs

## Key Facts

- ✓ **Cleaning head with high-speed air nozzle**
- ✓ **Without compressed air**
- ✓ **Integrated suction channel** for transporting the loosened particles to the suction unit
- ✓ **Web speeds up to 1500 m/min**

## Product Description

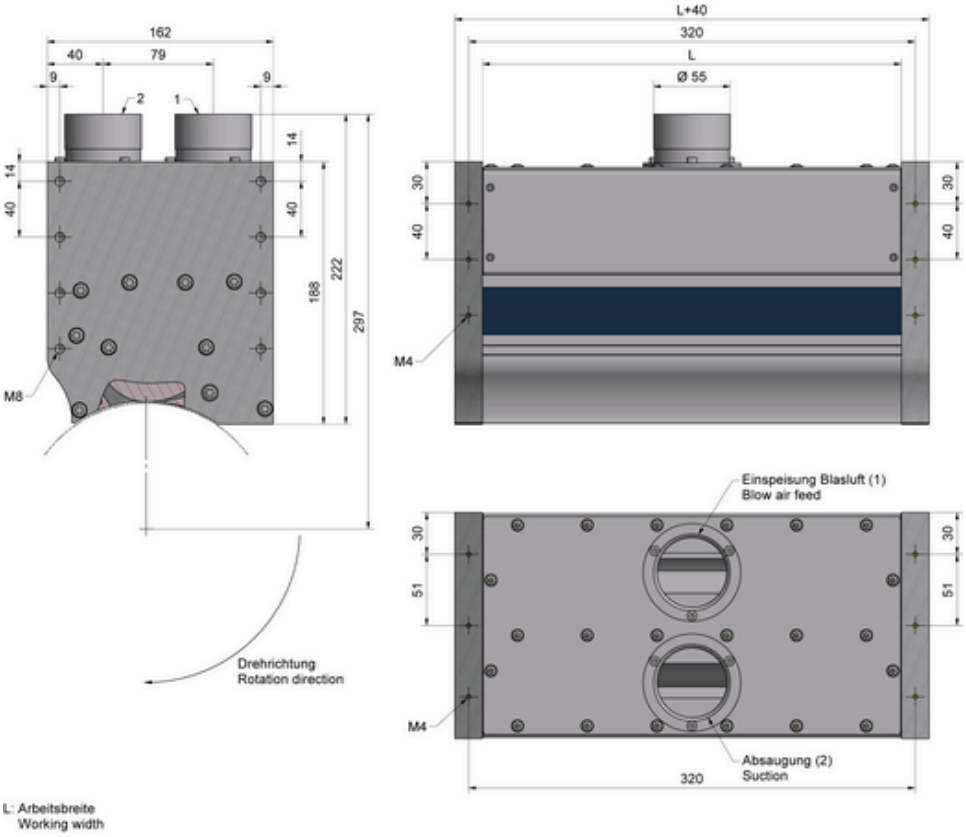
A special nozzle geometry generates a high-speed airstream of up to 300 m/s, which breaks through the laminar boundary layer of the material web and can reliably clean adhering particles on the material, even at very high web speeds. Very good cleaning results have been achieved for small and micro particles as well.

- Suction and control via KIST + ESCHERICH supply unit
- Contactless cleaning protects the material surface
- Mounted above an idler pulley D=180 mm or conveyor guide roller
- Option: Upstream ionisers for removing electrostatic discharges on the material web
- Option: Air guide plates for channelling the suction airstream

## Technical Data

| | **CROSSJET 180** |
|---|---|
| **Working width** | 100 - 4000 mm |
| **Working width increment** | 100 mm |
| **Working distance** | 1.0 - 1.5 mm |
| **Diameter of the shaft** | 180 mm |
| **Operating air pressure for cleaning system (recommended)** | 150 mbar |
| **Operating air pressure for cleaning system (min. – max.)** | 50 mbar – 300 mbar |
| **Type of compressed air connection for the cleaning system** | DN55 |
| **Diameter of the suction port** | DN55 |
| **Ambient temperature (min. – max.)** | 0 - 70 °C |
| **Weight at minimum working width** | 4.3 kg |
| **Weight per additional working width increment** | 4 kg |
| **Conveying direction (uni-/bi-/multidirectional)** | one-directional |
| **Conveying speed (min. – max.)** | 1 – 1500 m/min |

## Technical Drawings



TECHNOLOGY

# CROSSJET

Cleanliness without delay – CROSSJET delivers reliable results even at high speeds. Learn how this technology works.

## Related Products

### SMART ION 121

Ionisation bar with intelligent electrostatic discharge, for short or medium range applications

### SMART ION 201

Medium to long range ionisation bar with intelligent electrostatic discharge

### ESUC 201/202/401/402

Filter, suction and supply unit (performance class 2400 – 3400 $m^3/h$)

### Accessories for suction hoses