KIST + ESCHERICH

UNIMASTER 210

Table cleaning device for manual component cleaning

Key Facts

- **Universally applicable** at different manual workstations and in limited spaces
- **Quick & Easy** - Ideal for positioning at your workstation
- **For structured components** and complex component geometries
- **Process-safe suction achieved through adapted housing geometry**

Product Description

Table cleaning device for manual in-process cleaning of individual components. Thanks to its compact design, the UNIMASTER 210 can be placed directly at the manual work station. Depending on the cleaning requirements, we offer equipment type choices from STATIK-AIR blowing nozzles up to TAIFUN-CLEAN rotating nozzles.

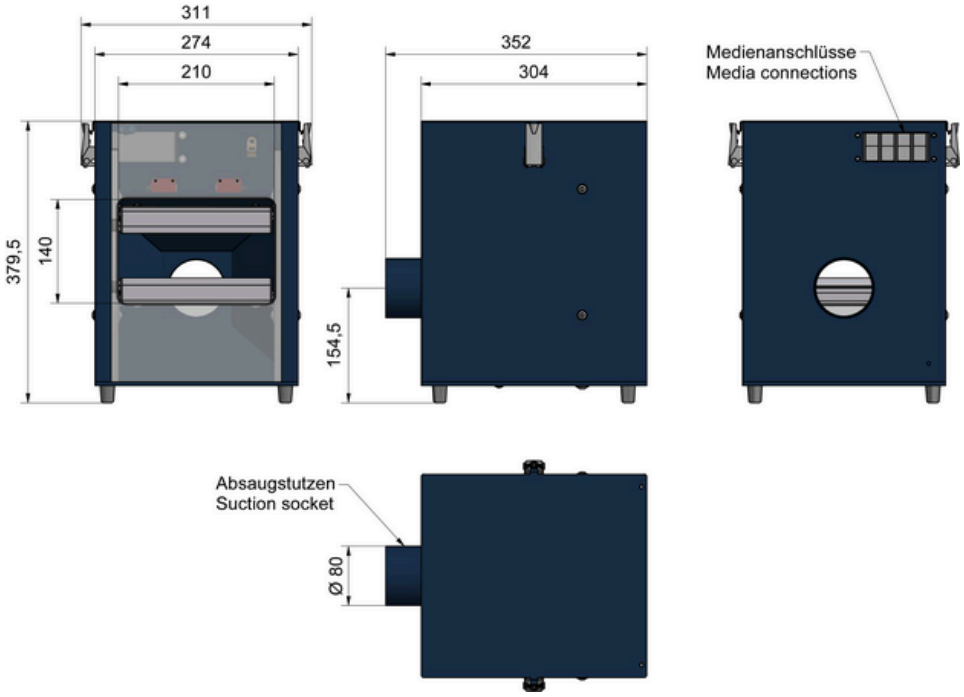
- Contactless cleaning protects the material surface
- Integrated ionisation to neutralise electrostatic surface charges
- Integrated suction channel for transporting the loosened particles to the suction unit
- Suction and control via KIST + ESCHERICH supply unit
- Ionisation system contact-voltage proof for users
- Cleaning is actuated via the sensor
- Integration into a robot cell for automated component handling is possible
- **ESD version (anti-static):** This equipment can be configured for ESD areas to provide safe protection against electrostatic discharge (ESD)

Technical Data

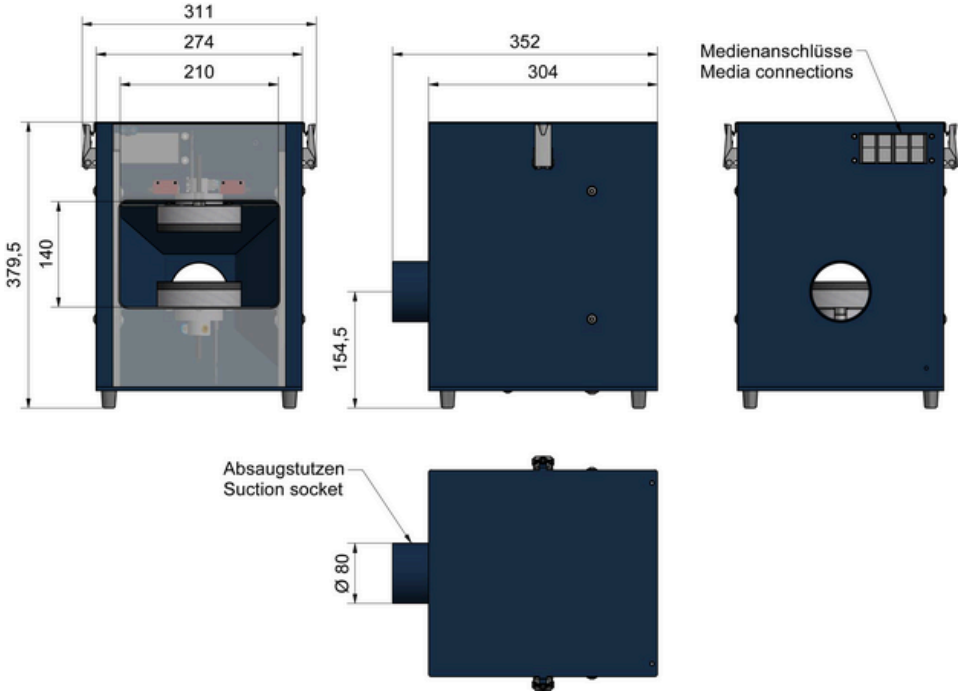
	UM-0210-02-S01	UM-0210-03-S02	UM-0210-03-S03
Version	Standard	Standard	ESD application
Access opening	210 mm × 140 mm	210 mm × 140 mm	210 mm × 140 mm
Type of cleaning nozzle	2× **SA06**	2× **TCC110**	2× **TCC110ESD**
Operating air pressure for cleaning system (min. – max.)	1.0 – 6.0 bar	1.0 – 3.5 bar	1.0 – 3.5 bar
Operating air pressure for cleaning system (recommended)	2.5 bar	2.5 bar	2.5 bar
Type compressed air connection for the cleaning system	2× Ø 8 mm combined to 1× Ø 10 mm	2× Ø 8 mm combined to 1× Ø 10 mm	2× Ø 8 mm combined to 1× Ø 10 mm
Diameter of the suction port	80 mm	80 mm	80 mm
Required suction volume flow	300 m^3/h	300 m^3/h	300 m^3/h
Type Ionisation	2× **CB55**	2× **SR55**	2× **SIP**
Ambient temperature (min. – max.)	5 – 50 °C	5 – 50 °C	5 – 50 °C
Weight	10 kg	10 kg	10 kg
Length cable and hose package (standard)	2 m	3 m	3 m

Technical Drawings

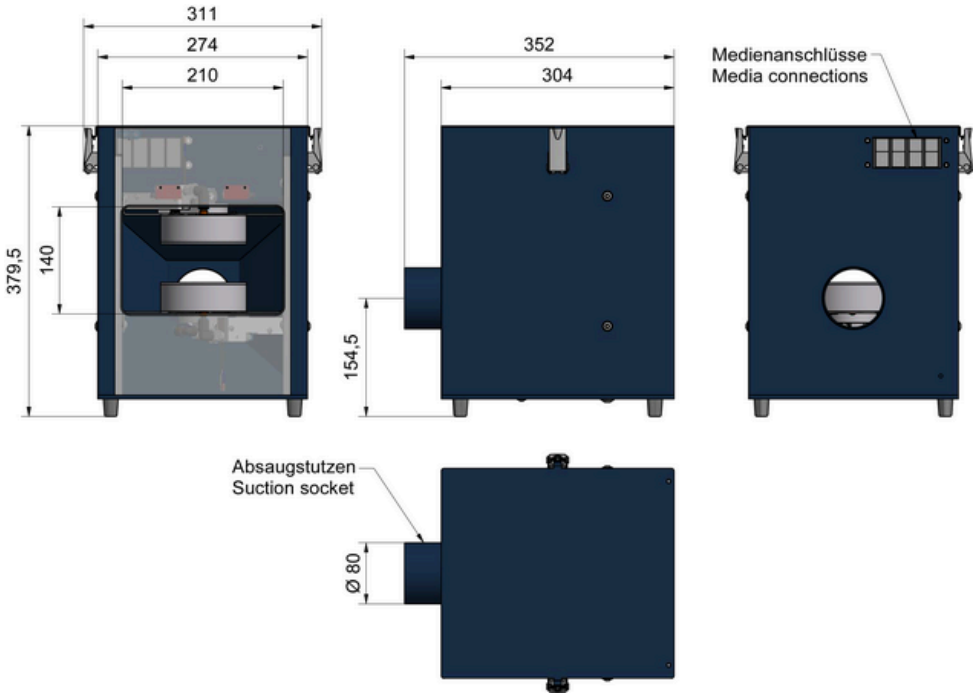
[English] UM210-S01



[English] UM210-S02



[English] UM210-S03



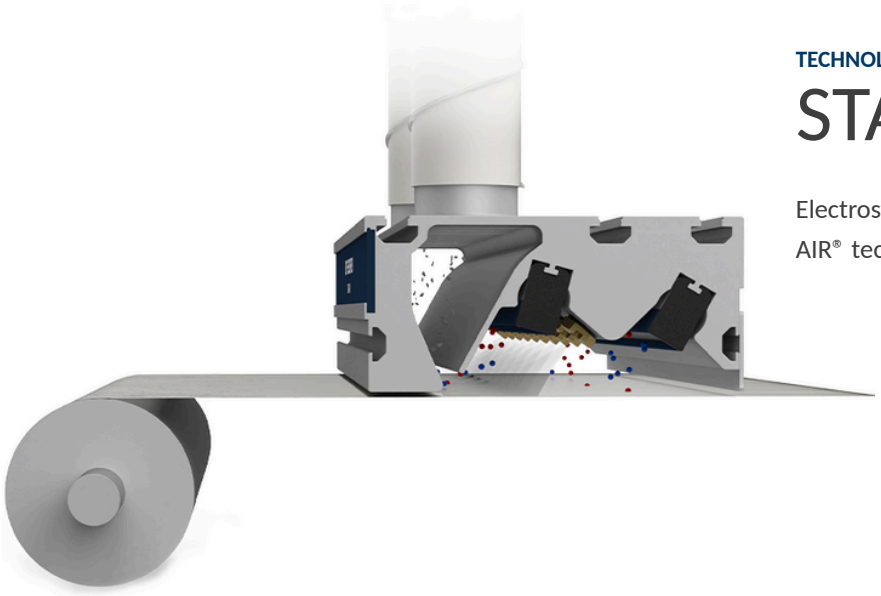
Air Consumption

Compressed air consumption for cleaning

	Nl/min at operating pressure		
	1.0 bar	2.0 bar	3.5 bar
UM-0210-02-S01	240	415	660
UM-0210-03-S02	280	440	680
UM-0210-03-S03	280*	440*	680*

*Additional compressed air consumption for ionisation with UM-0210-03-S03 (ESD variant)

	(Nl/min) at operating pressure				
	0.5 bar	1.0 bar	2.0 bar	3.0 bar	4.0 bar
UM-0210-03-S03	70	102	155	206	257



TECHNOLOGY

STATIK-AIR®

Electrostatic discharges and dust are a thing of the past with STATIK-AIR® technology. Learn how the technology works.

Related Products

ESUC 230/390/650

Filter, suction and supply unit (performance class 230 – 650 m³/h)

Accessories for suction hoses

ELFI 1

Compact static field strength meter for analysis of static electricity