KIST + ESCHERICH

TAIFUN-CLEAN® COMPACT 180

Compressed air-assisted ring ioniser for 3D components, Ø 180 mm

Key Facts

- **Compact cleaning system** for integrating into new and existing plants
- **Non-contact cleaning with pulsating compressed air**
- **Great cleaning depth** via special **compressed air nozzles with beam bundling**
- **For structured components** and complex component geometries

Product Description

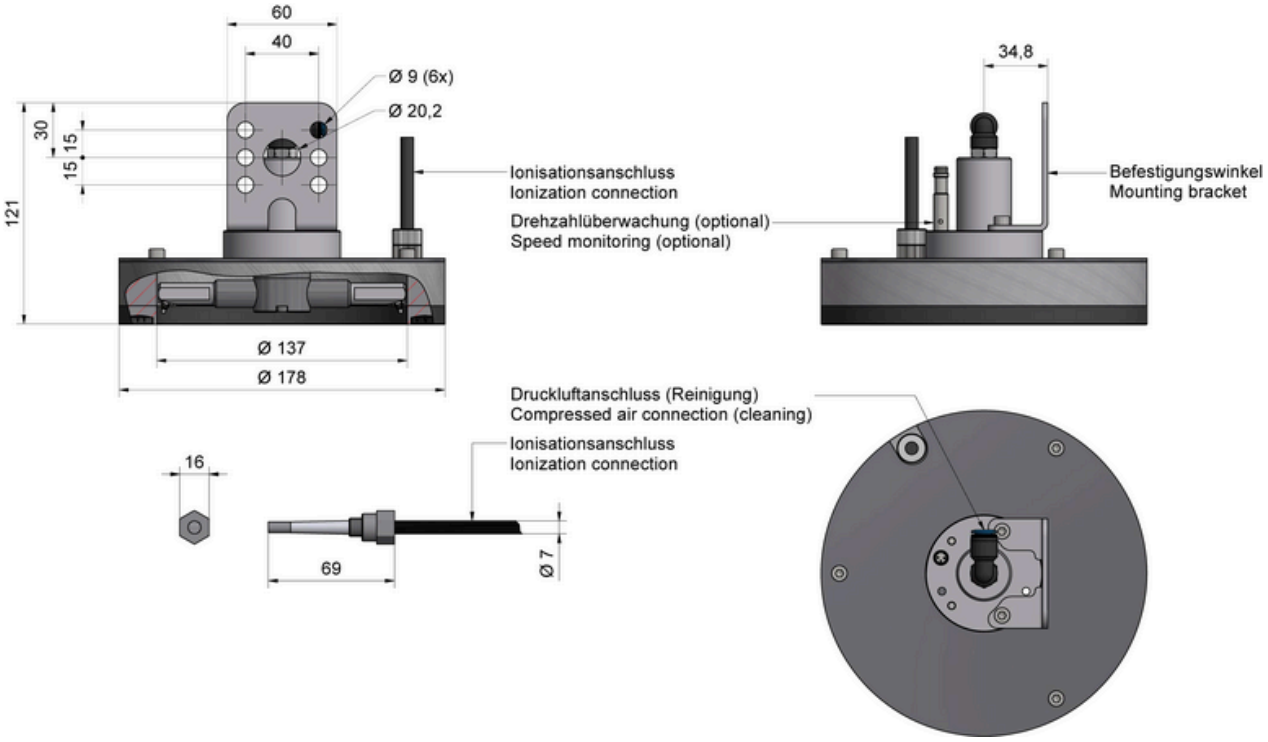
TAIFUN-CLEAN® COMPACT 180 is perfectly adapted to the TAIFUN-CLEAN® rotating nozzles, due to its round design. The symmetrical arrangement of the emitter tips creates uniform ion clouds.

- We offer several TAIFUN-CLEAN® COMPACT modules to facilitate the adaptation to complex shaped components
- Contactless cleaning protects the material surface
- Integrated ionisation to neutralise electrostatic surface charges
- Ionisation system contact-voltage proof for users
- Stable pressure-independent rev speed thanks to its patented, integrated control
- Airflow variant: Open design for use in the laminar airflow
- Option: Rev speed monitoring
- Additional variants available: CR

Technical Data

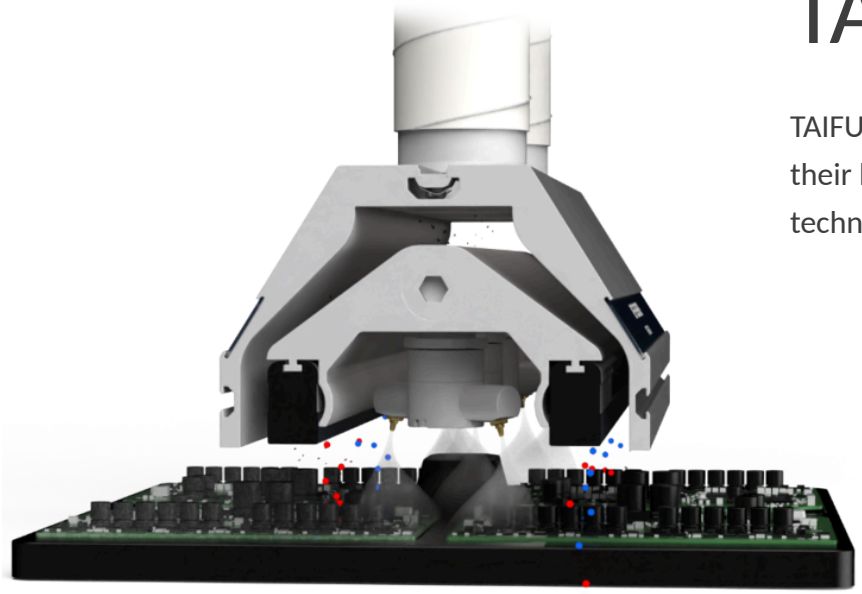
	TCC180	TCC180CR	TCC180AF
Working width	160 mm	160 mm	160 mm
Working distance (min. – max.)	20 – 70 mm	20 – 70 mm	20 – 70 mm
Rotating nozzle type	TCR-7A-130	TCR-7A-130-VA	TCR-7A-130
Operating air pressure for cleaning system (recommended)	1.5 - 3.5 bar	1.5 - 3.5 bar	1.5 - 3.5 bar
Operating air pressure for cleaning system (min. – max.)	1.0 - 5.0 bar	1.0 - 5.0 bar	1.0 - 5.0 bar
Type compressed air connection for the cleaning system	Ø 10 mm	Ø 10 mm	Ø 10 mm
Type Ionisation	1x **SR55-178**	1x **SR55-178**	1x **SR55-178**
Ambient temperature (min. – max.)	5 – 50 °C	5 – 50 °C	5 – 50 °C
Weight	2.0 kg	2.0 kg	2.0 kg
Conveying direction (uni-/bi-/multidirectional)	multidirectional	multidirectional	multidirectional

Technical Drawings



Air Consumption

	Nl/min at operating pressure		
	1.0 bar	2.0 bar	3.5 bar
TCC180-03	160	250	400



TECHNOLOGY

TAIFUN-CLEAN®

TAIFUN-CLEAN® begins where others have reached their limits. Would you like to learn more about the technology behind our product?

Related Products

POWER UNIT 60

Powerful HV power supply for KIST + ESCHERICH ionisation systems

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Distributors for TRUE ION ionisation systems

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Function tester for testing ionisation systems