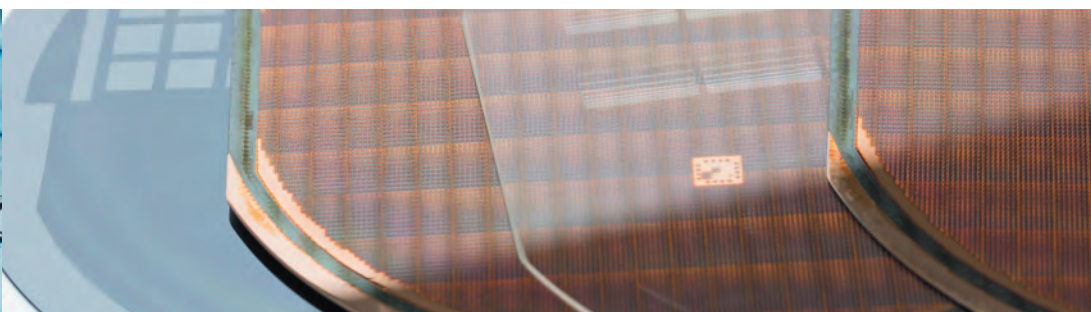


TechniClean®



Dust Cleaner & Accessories

TC-SUX30DC Series	TC-SU230 TC-SU430 TC-SU630 TC-SU830
Compact Series	TC-130 TC/DC-130 TC-280 TC/DC-280
TCRU-600 Series	TCRU-600
Accessories	TC-315FL TC-325NF TC-33 CLTXK/SL

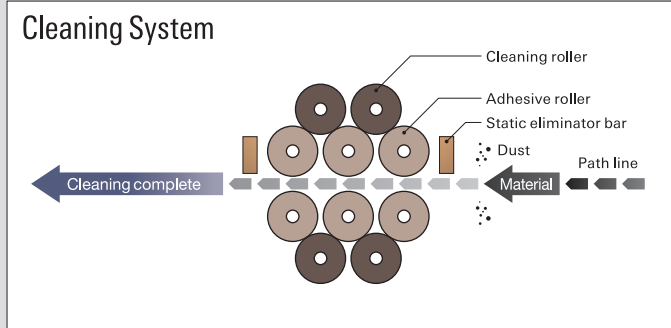
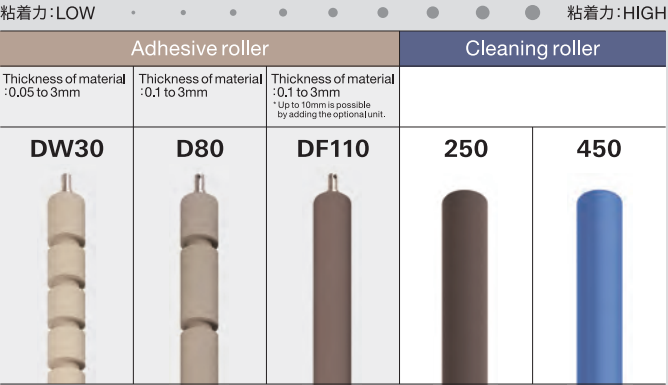
Audio-Technica’s TechniClean is a state-of-the-art cleaner that adopts special adhesive rollers across the entire product line. The rollers’ adhesive strength can be used to effectively remove dust, particles, and other debris on as well as to remove static electricity from resin boards, glass, film sheets, metal plates, and more. TechniClean can remove nearly all small particles.

When used with butyl synthetic rubber rollers, TechniClean offers extremely low component transfer to materials and can be used reliably over an extended period of time.

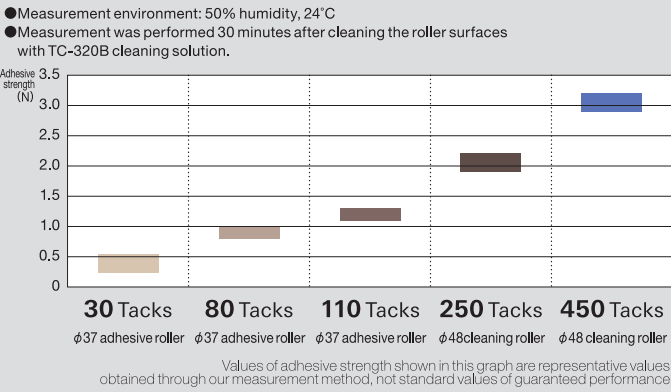
- It can be attached firmly and thoroughly to a material without affecting the material's surface.
- Stable rubber composition does not change even after years of use and provides better rub resistance than that of other materials.
- By cleaning it with our special cleaning solution, a steady adhesive strength can be maintained at all times.
- For thin sheet materials (50 microns or thicker) , we use our unique “roll-in prevention belt unit” technology. Combined with the rollers’ adhesive strength, our technology can clean the material smoothly without damaging it.
- The top cover is sealed to protect the rollers from airborne dust.
- The static eliminator bars at the entrance and exit remove static electricity.

■ Adhesive strength by Tack level

- Combining rollers with different adhesive strength creates an optimal environment for cleaning material.



In the Butyl synthetic rubber roller series, the adhesive rollers remove dust from the material and are always cleaned after catching dust by the cleaning rollers located above and below them.



■ TechniClean enables the cleaning of any material

- TechniClean delivers high performance in a speedy, effective, and safe manner for manufacturing processes which require a dust-free environment.
- TechniClean is optimized for removing dust and static electricity before screen printing, coating, bonding, exposure, and others.

Electronic parts	Printed-wiring boards	Copper-clad laminates	→ Pattern formation (exposure, printing), lamination, pressing, etc.
		Flexible substrates	→ Bonding, pattern formation, etc.
		Ceramic substrates	→ Pattern printing, lamination (green sheets, both are possible after sintering)
		Membrane switches	→ Bonding, pattern formation, etc.
	Displays	Liquid crystal displays (LCDs)	→ Glass sheets, deflection plates, etc.
		Touch screen display	→ Various types of film, glass plates, etc.
Prints	Silk screen prints	Nameplates, pachinko boards, automobile instruments, illuminated panels, remote control switches for electrical household appliances, prepaid cards, smart cards, etc.	→ Before printing, coating
	Offset prints	Cards, outer boxes, decorative boxes	→ Before printing/lamination
		High-quality paper (roll-to-roll)	→ Before printing
Materials	Processed materials	Plastic sheets	→ Cutting process, coating
		Glass sheets	→ Cutting process
		Metal plates	→ Metal plates, stainless steel plates, copper plates, etc.
Others	Films	Acrylics, vinyl chloride, polycarbonate	→ Sheetting (reproduction), electronic parts, lamination, negative film
		P.P. PET, polyester	→ Printing materials, etc.
	Teflon sheets		

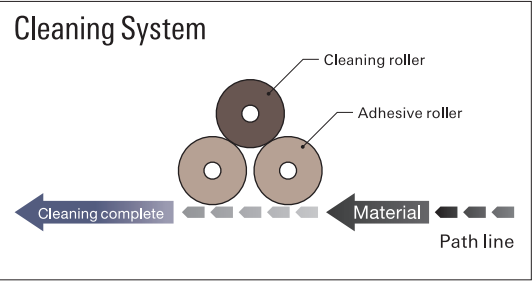
TCRU-600 Series

This cleaning unit can be used with a wide range of workpieces by combining the adhesive roller and the cleaning roller.

In-line cleaner unit Butyl synthetic rubber

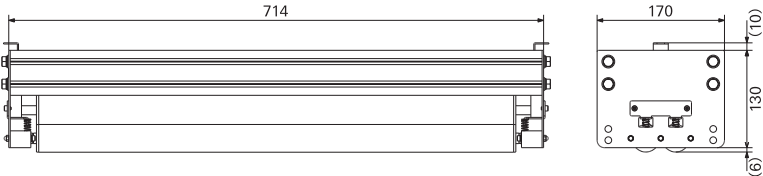
TCRU-600

- This model is optimal for in-line use with existing equipment. It can be used before lamination, after presswork or during roll slitting.
- The simple structure allows easy roller maintenance.
- Assembling the frame part is also easy.



Technical Data

Cleaning method	Upper-surface cleaning using the adhesive rollers
External dimensions (W×D×H)	170×715×130mm
Material working width	50~600mm
Material working thickness	F30 0.1 to 3mm
	F80 0.2 to 3mm
	F110 0.3 to 3mm
Unit weight	9kg



Adhesive roller			Cleaning roller
30 Tacks	80 タック	80 Tacks	250 Tacks

Each roller can be easily removed for maintenance.



The material working width and material working thickness noted in the Technical Data section are subject to change depending on the material cleaned and are not guarantees of machine performance.

TC-SUX30DC Series

Our company's standard machines, the TechniClean TC-SUX30DC Series, are loved by our many customers. We offer a variety of rubbers of varying adhesive strengths and diverse machine sizes to support a range of materials.

The TC-SUX30DC Series offers four sizes, from the TC-SU230DC to the TC-SU830DC. In addition to the standard conveyor, we offer a flat belt conveyor and a mini conveyor to meet your specifications.

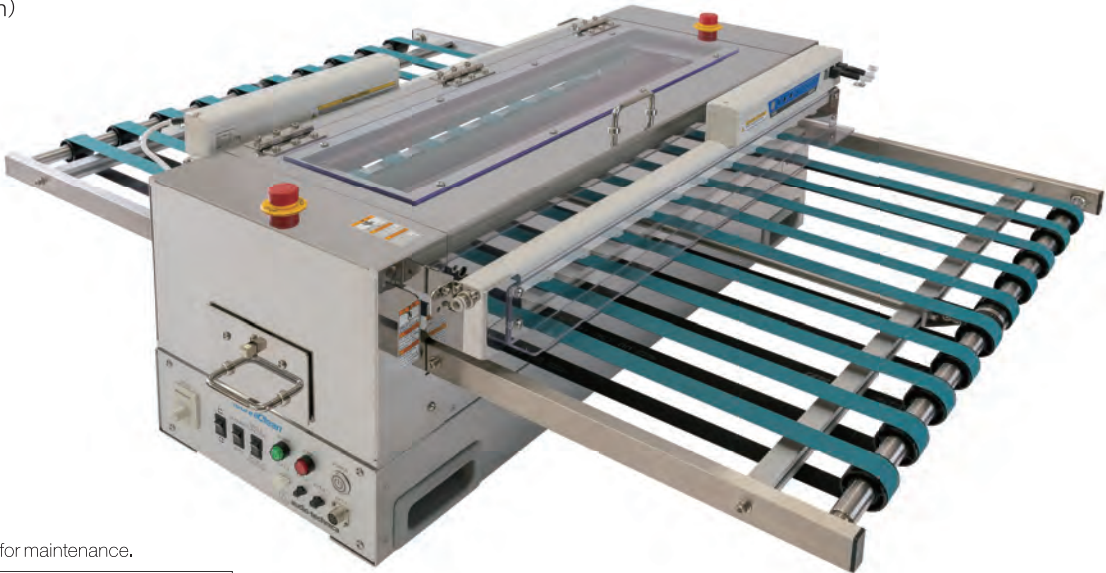
* For details on special-order size roller, replacement roller, roller unit, and others, please contact our sales department.

Cleaner Butyl synthetic rubber

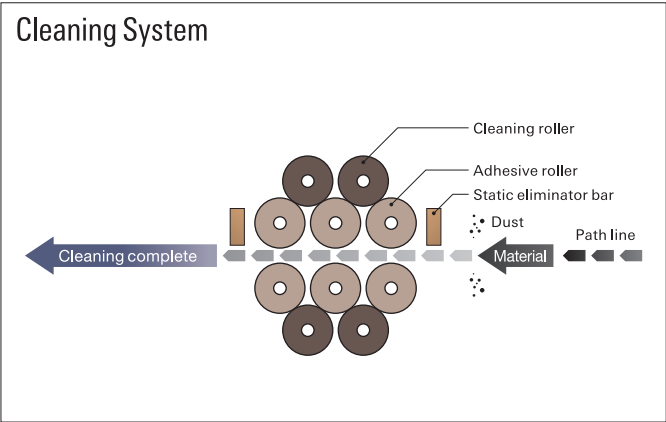
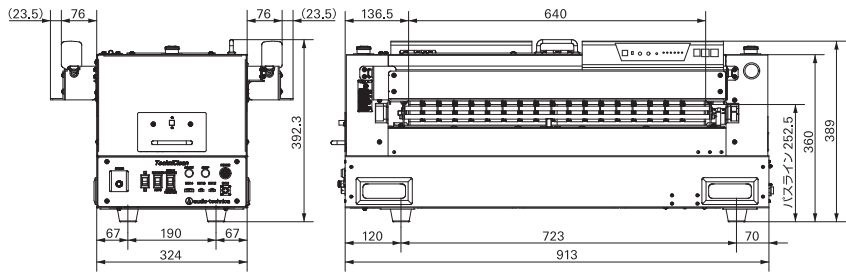
TC-SU630DC

CE

- Flat belt conveyor (option)
- DC Ionizer system (option)



Each roller can be easily removed for maintenance.



Standard specifications for all models

Sealed body	All areas except the material entrance and exit are sealed to protect the rollers from airborne dust.
Roller configuration	Adhesive rollers (x6), cleaning rollers (x4)
Operation function	Facilitates reversible, continuous, automatic one-way, and automatic two-way cleaning operations. Signals may also be input externally.
Thin material roll-in prevention unit	Models are equipped with a roll-in prevention belt unit which allows for the cleaning of even thin films (50 microns or thicker). (DT30, DW30, DT80, D80)
Optional conveyers for material transfer	Conveyers are optional for all models. Mini conveyor (dimensions: 400mm), Conveyor (dimensions: 700mm)

Easy maintenance

- Cleaning the cleaning rollers after they catch dust maintains their adhesive strength. The upper and lower cleaning rollers can be removed easily and need only to be wiped with a special cleaning solution. Our machines have low operating costs.

High level of safety

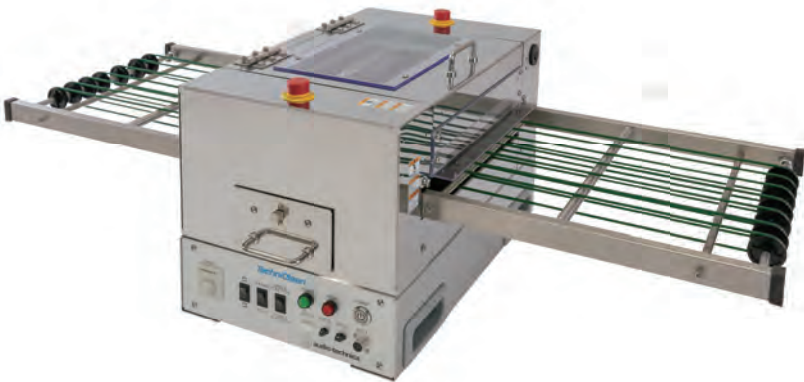
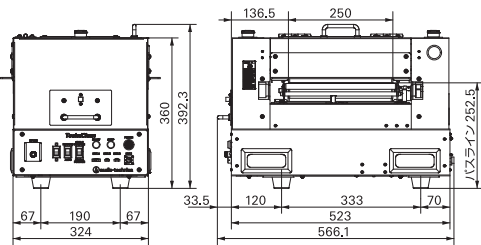
- All parts of the drive parts, including rollers and gears, are contained within the main body. Additionally, our machines are equipped with a mechanism to automatically stop operation when the top cover is opened.

Cleaner Butyl synthetic rubber

TC-SU230DC

CE

- Ring belt conveyor (option)

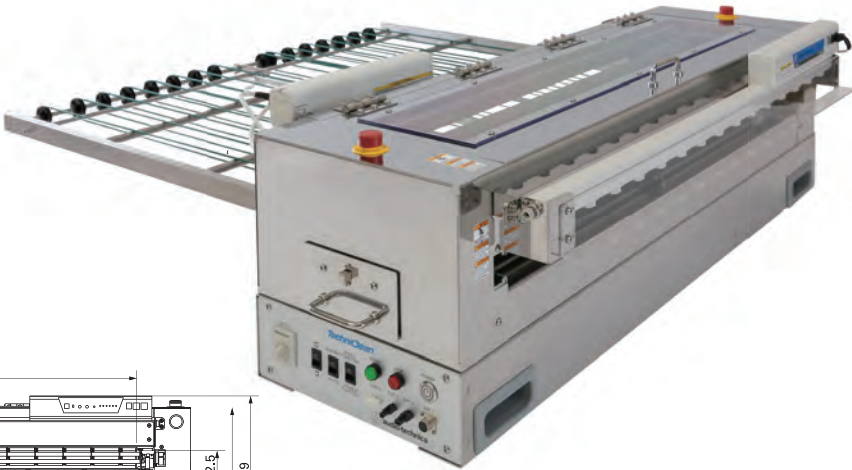
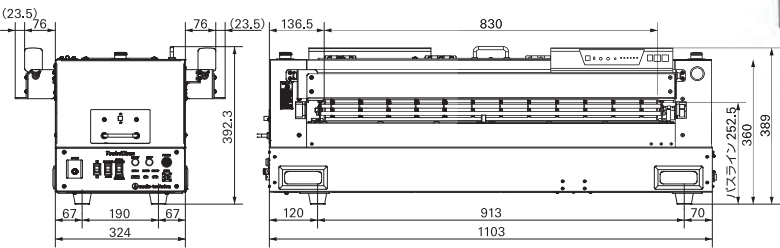


Cleaner Butyl synthetic rubber

TC-SU830DC

CE

- Ring belt conveyor (option)
- DC Ionizer system (option)



Technical Data

Model No.	TC-SU230DC	TC-SU430DC	TC-SU630DC	TC-SU830DC
Power supply	100~240V (50Hz/60Hz)			
Cleaning method	Double-sided dry cleaning using the adhesive rollers			
Static electricity removal method	AC-corona-discharge type			
Motor output	50W			
Drive method	Gear, chain drive			
Cleaning speed	0~36m/min			
External dimensions (WxDxH)	523x324x360mm	703x324x360mm	913x324x360mm	1103x324x360mm
Material working width	70~230mm	70~400mm	70~600mm	70~800mm
Material working thickness	DT30 0.05~3mm	DW30 0.05~3mm	DW30 0.05~3mm	DW30 0.05~3mm
	DT80 0.1~3mm	D80 0.1~3mm	D80 0.1~3mm	D80 0.1~3mm
	DF110 1~3mm	DF110 1~3mm	DF110 1~3mm	DF110 1~3mm
Path line	252.5mm			
Conveyor	Option, dimensions 700mm			
Mini conveyor	Option, dimensions 400mm			

The material working width and material working thickness noted in the Technical Data section are subject to change depending on the material cleaned and are not guarantees of machine performance.

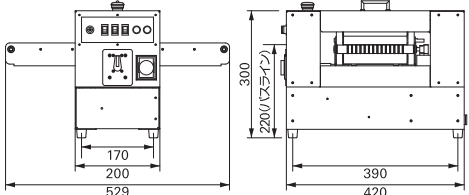
Compact Series

This model is a cleaning unit for ultra-small materials. With the same performance of our conventional series in a more compact form, this cleaner can instantly remove dust and static electricity from small sheet and electronic materials such as FPC and TAB.

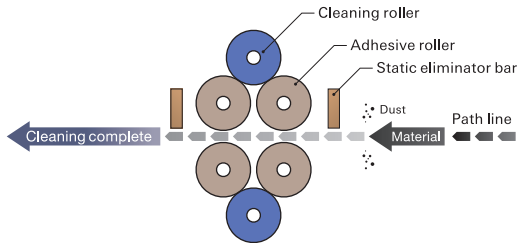
Mini Cleaner Butyl synthetic rubber

TC-130

Each roller can be easily removed for maintenance.



Cleaning System



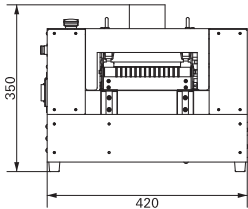
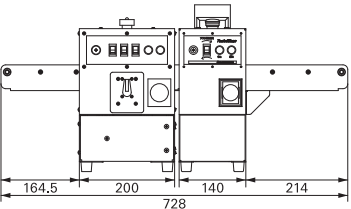
Technical Data

Power supply	AC100V (50Hz/60Hz)
Cleaning method	Double-sided dry cleaning using the adhesive rollers
Static electricity removal method	AC-corona-discharge type (option)
Motor output	AC100V25W
Drive method	Gear drive
Cleaning speed	0 to 10m/min (50Hz)
External dimensions (WxDxH)	420x200x300mm
Material working width	30 to 130mm
Material working thickness	F30 0.1 to 3mm F80 0.2 to 3mm F110 1 to 3mm
Path line	220mm
Conveyer	Attached to the main body, front-back length 165mm
Operation function	With automatic operation and sensors: TC-130D, F30, F80, F110 Without sensor functions: TC-130, F30, F80, F110

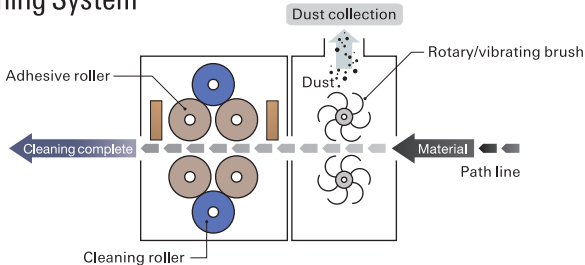
Mini cleaner with brush unit Butyl synthetic rubber

TC/DC-130

- This model is the TC-130 model with rotary brushes added. While maintaining a small size, it allows for powerful cleaning results.
- The brushes can rotate not only in the conventional forward and reverse directions but also vibrate horizontally to improve cleaning results.



Cleaning System



Technical Data

Model No.	DC-130
Power supply	AC100V (50Hz/60Hz)
Cleaning method	Double-sided dry cleaning using the rotary/vibrating brushes
Motor output	AC100V25W
Drive method	Gear drive
External dimensions (WxDxH)	420x140x350mm
Brush material, wire diameter	Nylon, ϕ 0.08mm
Brush rotation speed	370/430rpm (50Hz/60Hz)
Brush vibration frequency	1665/1935 round trips/min (50Hz/60Hz)
Material working width	50 to 130mm
Material working thickness	0.5 to 3mm
Path line	220mm

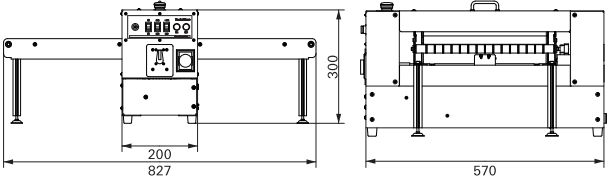
TechniClean®

Mini cleaner Butyl synthetic rubber

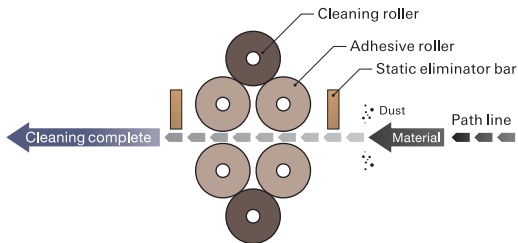
TC-280

- This model is a cleaning unit for small materials.
- With the same performance of our TC-130 mini cleaner, this cleaner can be used with a wide range of materials, and effectively removes dust and static electricity.

Each roller can be easily removed for maintenance.



Cleaning System



Technical Data

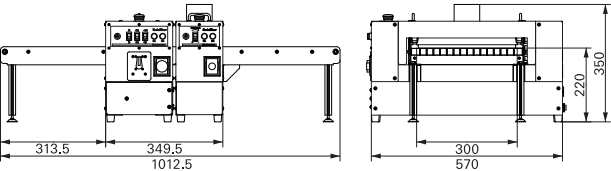
Power supply	AC100V (50Hz/60Hz)
Cleaning method	Double-sided dry cleaning using the adhesive rollers
Static electricity removal method	AC-corona-discharge type
Motor output	AC100V25W
Drive method	Gear drive
Cleaning speed	0 to 20m/min (50Hz)
External dimensions (WxDxH)	570x200x300mm
Material working width	50 to 280mm
Material working thickness	F30 0.1 to 3mm F80 0.2 to 3mm F110 1 to 3mm
Path line	220mm
Conveyer	Attached to the main body, front-back length 323mm
Operation function	Automatic operation with sensors



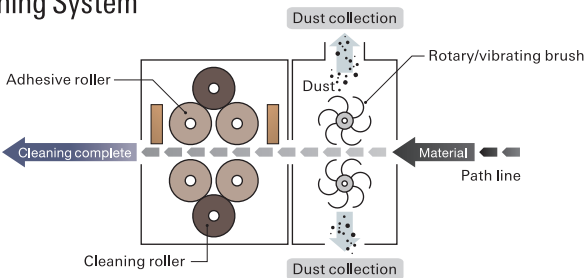
Mini cleaner with brush unit Butyl synthetic rubber

TC/DC-280

- This model is the TC-280 model with rotary brushes added.
- The brushes can only rotate in the forward and reverse directions.



Cleaning System



Technical Data

Model No.	DC-280
Power supply	AC100V (50Hz/60Hz)
Cleaning method	Double-sided dry cleaning using the rotary brushes
Motor output	AC100V25W
Drive method	Gear drive
External dimensions (WxDxH)	570x140x350mm
Brush material, wire diameter	Nylon, ϕ 0.08mm
Brush rotation speed	370/430rpm (50Hz/60Hz)
Material working width	50 to 280mm
Material working thickness	0.5 to 3mm
Path line	220mm



The material working width and material working thickness noted in the Technical Data section are subject to change depending on the material cleaned and are not guarantees of machine performance.

Maintenance Options

TechniClean®

Roller cleaning liquid

TC-315FL 18L 5L(1L×5)

TC-325NF 18L 5L(1L×5)

- Best for cleaning adhesive butyl rubber rollers
- Eco friendly with improved cleaning ability

Attention in the transportation

UN class : UN class3 (Flammable liquids)

Packing Groups : III

UN No. : UN3092



18L



5L(1L×5)

Cotton sheets

TC-33

- A special material comprised of 100% cellulose which does not generate dust or fluff and prevents static generation



Technical Data

Material	100% cellulose
Dimensions	250×250mm/4-folded
Sheets	100 sheets/bag

Cleaning tape

CLTXK/SL Series

- In order to ensure clean adhesive rollers, this model accurately transfers dust caught by the adhesive rollers onto the cleaning tapes.

* Custom-order sizes other than the five width size options are available.



Technical Data

Dimensions (width×φ)	CLT60K/20M/SL 4P 600×95mm
	CLT62K/20M/SL 4P 620×95mm
	CLT65K/20M/SL 4P 650×95mm
	CLT95K/20M/SL 4P 950×95mm
	CLT150K/20M/SL 4P 1500×95mm
Core inner diameter	φ76.2mm (3in)
Full length of tape	20m
Tape thickness	0.09mm
Adhesive strength	2.4N±0.2N (250±50gf)/20mm
Packaging	4 pcs per box

TechniClean Showroom



At the showroom in Audio-Technica's Machida office, our latest models are always on display. We welcome your visit.

If you wish to visit our showroom, please be sure to make a reservation beforehand.
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audio-technica

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Agency



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Attention

Please read operational instructions and precautions in manual carefully before use.

The content of this catalogue is as of October 2023.