



## TECHNICAL DATA SHEET



# Sonix<sup>®</sup> 943 CRD

★★★ CONFORMAL COATING  
removing





## TECHNICAL PARAMETERS

Dimensions (w x l x h)	1842 x 1070 x 1595 mm
Weight	660 kg
Ø energy consumption per 1 cycle	2,67 kWh
Compressed air consumption per 1 cycle	83 l / 5 Bar
Max. dimensions of the cleaned parts	900 x 380 x 220 mm
Dimensions of mechanical carrier basket	880 x 360 mm
Exchangeable mechanical filter of cleaning fluid	20 - 100 µm
Exchangeable mechanical filter of rinsing fluid	5 - 20 µm
Temperature range setting of the cleaning fluid	From ambient temperature to 60°C
Temperature range setting of the rinse fluid	From ambient temperature to 60°C
Conductivity range settings of the rinse fluid	0 - 200 µS/cm
Temperature range setting of the drying	From ambient temperature to 80°C
Noise level	< 70 dB
Device control	PLC + 8,4" touchscreen



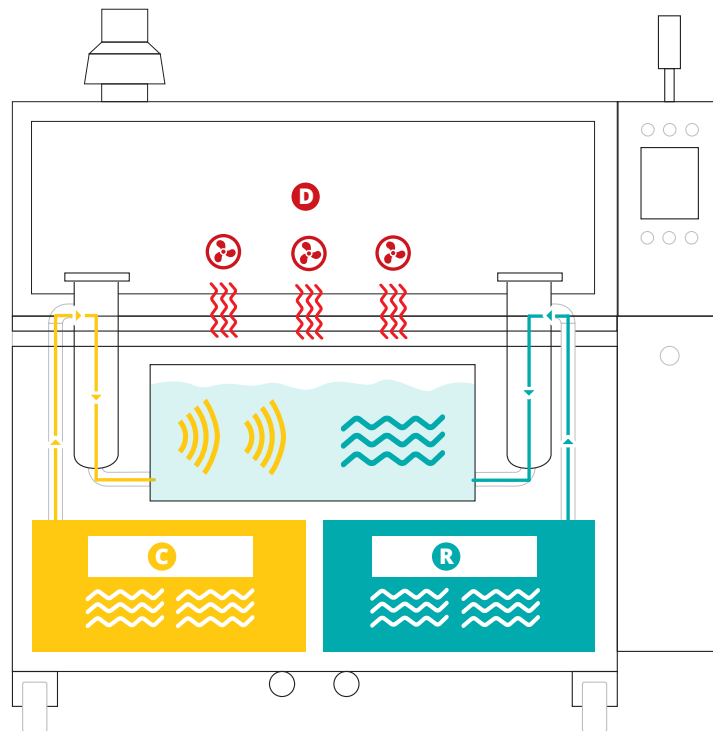
## INSTALLATION REQUIREMENTS

Power supply	400 V, 50Hz (3+N+PE)
Power connection	EU 32 A
Pmax	12 kW
Connection to central air pressure	Pipe Ø 10 mm
Recommended working pressure	5 Bar
Exhaust pipe diameter	Ø 100 mm
Exhaust pipe capacity	570 m³/h
Volume of the storage tanks for cleaning	120 l
Volume of the storage tanks for rinsing	120 l
Service space required around the device	600 mm



## INDIVIDUAL PROCESSES

- C** CLEANING
- R** RINSING
- D** DRYING



## CLEANING PARAMETERS

Application name	Application recommended	Recommended temperature	Recommended time	Capacity per shift
Conformal coating	★★★	45°C	45 min.	384*/40**

★★★ highly recommended

\* eurocards (100x160 mm) per 8 hours (work shift)

\*\* parts in soldering palette (350 x 500 x 50 mm) per 8 hours (work shift)



## STANDARD EQUIPMENT

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1 process chamber, full automatic solution

PLC + 8,4" touchscreen

lockable travelling wheels

100% closed circuit

cleaning fluid heating

rinsing fluid heating

hot air drying

Emergency stop button

chimney flap with draft diverter

pneumatic door lock

3 powerful hot air blowers

electronic monitoring of the fluid pressure

high capacity stainless steel filter housing - DCT utility design

100% stainless steel design - 15 years warranty:

- *cleaning, rinsing and drying distribution*

- *process chamber*

- *storage tanks*

- *frame*

- *sheathing*

easy removable sheathing

preparation for connecting external filtration

spare parts (Base kit)



## OPTIONAL ACCESSORY - MANUFACTURING PART OF THE MACHINE

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Fluid leakage tray - stainless steel

Status light

acoustic signalization

Barcode reader DCT

Barcode reader programming

Traceability offline (CD view SW)

traceability online OPC server

SW for CVA calculation ( installed on android platform or cleaning device)

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RR kit - complete machine preparation for pre-rinse

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External tank for RR kit

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common fluids draining - manual control

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conductivity measurement - pre-rinse circuit

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conductivity measurement - rinse circuit



## OPTIONAL ACCESSORY - NOT MANUFACTURING PART OF THE MACHINE

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Mechanical carrier basket

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External pump for comfortable fluid refilling

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External pump manipulation trolley – position for pump and 2 x 25 liter can

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25L External filtration set 3 x 25 lit (1 x Active Carbon, 1 x mech. filter, 2 x lonex, 1 x mech. filter)

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60L External filtration set 3 x 60 lit (1 x Active Carbon, 1 x mech. filter, 2 x lonex 1 x mech. filter)



## OPTIONAL ACCESSORY - INDIVIDUAL ORDER

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Mechanical carrier frame for basket

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other customized modifications



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**Sonix® is a registration trademark** of DCT Czech s.r.o.

For next information about Sonix® 943 CRD can you contact DCT specialist in Your country or to manufacturer directly.  
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