
	Toner dust suction booth			Release date	28/10/08
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General informations	<p>The Twister 800 booth is a mobile machine designed to suck the dusts due to the regeneration of laser printer and photocopier cartridges.</p> <p>The Twister 800 booth makes it possible for the operator to carry out the cleaning, emptying and refilling of the cartridges in complete safety, at the same time eliminating the risk of environmental pollution caused by the escape of toner dust during the normal regeneration cycle.</p> <p>The booth has a lighted up working table. It is constantly in depression, preventing the dispersion of powders in the atmosphere. The totally digital control panel makes it possible the execution of the entire working cycle and the complete monitoring of the machine status.</p> <p>The filtration system is composed from two stages suitable for dust filtering.</p> <p>The first filtering stage (prefilter) is self-cleaning by means of jet-pulse technology. An analogical manometer measures the prefilter's pressure drop.</p> <p>The pressure drop of the second filtering stage (HEPA filter) is measured in real time by digital transmitter: events such as filter clogging or filtering media breakdown are immediately detected and reported to the operator.</p> <p>The filtered toner is collected in a PVC bag by one hopper. The toner collection system is integrated in the booth's body to avoid dust dispersion during the PVC bag replacement.</p> <p>The cleaned air is recycled in the working room or it can be expelled outside the building by means of an optional duct.</p>					
Body description	<p>Bearing structure made of extruded aluminium section bars fixed together by stout connection fittings and associated galvanized screws.</p> <p>Outer panelling made of expanded polyurethane panels and a double supporting layer of galvanized and painted steel sheeting.</p> <p>Inner acoustic isolation made of soundproof panels.</p> <p>Spinning nylon wheels to move the booth, levelling it and placing it.</p>					
Dust suction power	3 kg/h max					
Booth size	Height	2.050 mm	Width	800 mm	Depth	1.000 mm
Working table size			Width	740 mm	Depth	500 mm
Mass	270 kg					
Dust collection power	Nr. 1 PVC bag of 10 kg					
Noise level	76 dB, measured, with functioning booth, on the operating place					

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Filter type	Nr. 1 antistatic prefilter efficiency $E > 99,9\%$ (BIA classification=USGC) = 16 m ²	
	Nr. 1 HEPA filter efficiency H13 DOP (EN 1822) = 10 m ²	
	Prefilter average duration	2.000 hours
	HEPA filter average duration	600 hours
	Suction air flow	1.000 m ³ /h
Prefilter cleaning system	Air pressure	8 bar (dry and filtered air)
	Air tank capacity	7 liter
	Cleaning cycle	Automatic and manual
Control panel	Analogic manometer to measure the prefilter pressure drop	
	Air gun manometer	
	Air gun connector	
	Air gun pressure regulator	
	Digital interface and backlighted LCD display with following functions:	
	Comand functions	Start/Stop fan Working table light switch Start/Stop manual filter cleaning switch Date and time adjust
	Control functions	Motor status (ON, OFF, overheated) HEPA filter status (clogged, breakdown) Air pressure control
Electrical system	Informative functions	
	HEPA filter pressure drop Date and time Working hours counter Start/Stop fan cycles counter Prefilter cleaning cycles counter Number of HEPA filters changed counter	
	Voltage	230 V AC - 50/60 Hz
	Electrical connection	Plug CE 2P+T 16 A 230 V AC
	Power	1,85 kW
Compressed air system	Current	12,2 A
	Working table neon lighting	1 x 18 W IP 65
	Male connection for air compressed supply	
	Coalescent filter	
	Pressure regulator	
Toner collection system	Toner collection hopper	
	Toner hopper closing valve	
	PVC collection bag	
Optional	GSM remote booth status control and planned maintenance	
	Duct for outside air expulsion (10 mt max length)	
Documentation	Instructions for the use and the maintenance	
	"CE" declaration of conformity	
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