INDUSTRIAL VACUUM CLEANER FOR NUMERICAL CONTROL MACHINES

The **FLAT TABLE LINE** was designed from direct experience in the industrial mechanical sector, where a powerful, reliable and safe suction system is needed to collect the chips generated during machining processing.

The vacuum cleaners of the Flat Table line, characterized by a side channel blower, are thought to be combined with **horizontal or vertical 3-axis CNC machines**, which require accurate and efficient chip extraction to obtain maximum precision during the work process and a perfect end-product.

iVision can satisfy the requests of its most demanding customers thanks to **patented accessories specific for the sector**, such as the functional aerial arm which allows to place the suction hose above the CNC Router without it obstructing the operator or the machine's movements.
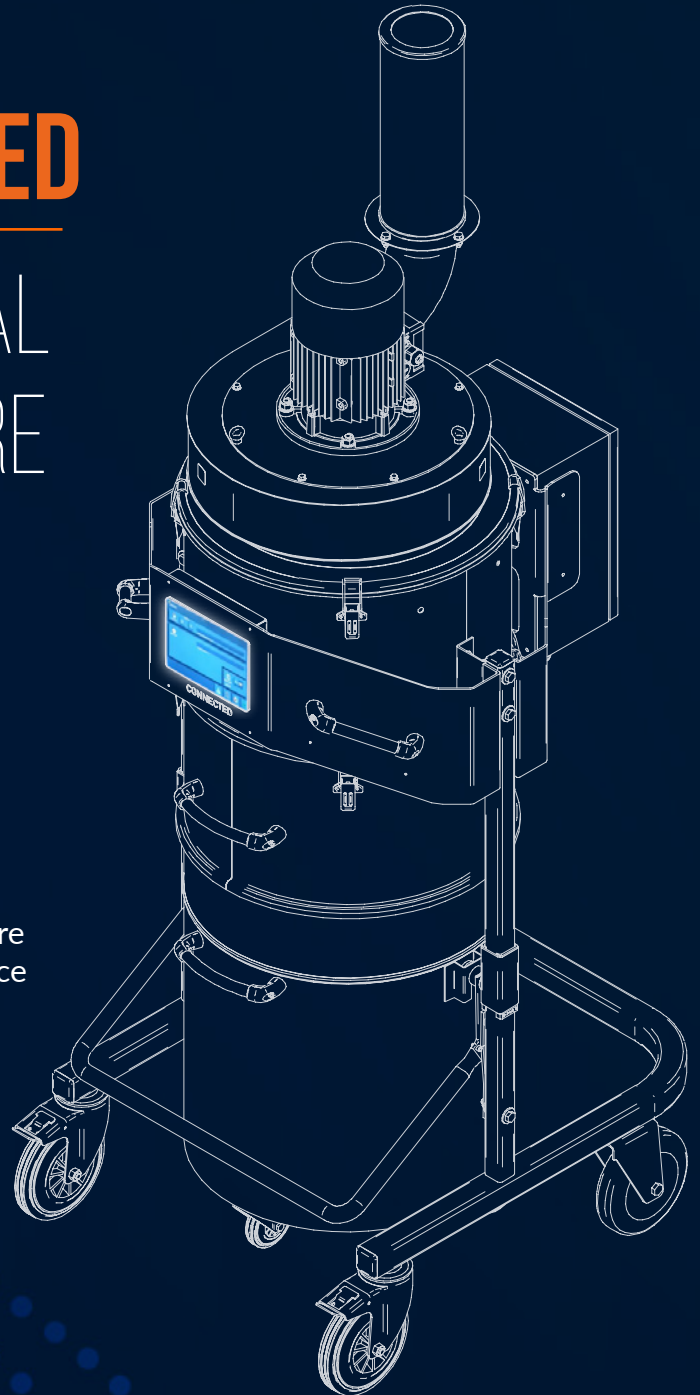
FLAT TABLE LINE

HI-TECH VACUUM

iVISION®
ITALIAN VACUUM

iVISION®
ITALIAN VACUUM

SMART CONNECTED

THE 4TH INDUSTRIAL REVOLUTION IS HERE

MODEL

- HMI with latest generation software
- Company network connection following the **4.0 INDUSTRY** parameters
- Live monitoring of functional parameters
- Predictive maintainence
- Zero risk of machine downtime
- Maximum work efficiency
- Control of the emissions into the atmosphere
- Tax benefits (according to regulations in force in the specific country)

PURE LINE

CONNECTED 4.0

REMOTE MONITORING SMART CONNECTED

A simple and intuitive dashboard shows in real time the operating parameters of Smart Connected vacuum cleaners

NO MORE MACHINE DOWNTIME

The remote monitoring is able to forsee any malfunction or maintenance to be carried out before any machine downtime occurs

iVision support
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REAL-TIME ASSISTANCE

Once the problem is detected, iVision customer assistance will contact you directly to offer support

CLEANER AIR

The double filtering stage purifies the suctioned air from the finest particles, potentially harmfull to the health of operators, before releasing clean air back into the working environment

Industrial vacuum cleaner
FLAT TABLE 38

INDUSTRIAL VACUUM CLEANER FOR NUMERICAL CONTROL MACHINES

The FLAT TABLE 38 vacuum cleaner is one of the most compact of the entire line and is mainly used to collect chips in combination with small CNC machines. The waste generated by the 3-axis milling machines require the very efficient industrial suction of chips so as to guarantee absolute cleanliness.
The vacuum cleaner is equipped with a deflector inside the inlet nozzle to improve the suction performance. Anti-static kit as standard equipment are included in the vacuum cleaner.

Aerial arm not included

FLAT TABLE 38

Product code		FL1H022	FL1H030
POWER	**Kw**	**2,2**	**3**
FREQUENCY	Hz	50	50
SUPPLY VOLTAGE [1]	V	400	400
MAXIMUM NEGATIVE PRESSURE	mbar	200	270
MAXIMUM AIR FLOW RATE	m³/h	320	320
INLET DIAMETER	ømm	100	100
NUMBER OF INLETS	n	1	1
CONTAINER CAPACITY	Lt	38	38
SOUND PRESSURE LEVEL *(IEC 60704-2-1:200)*	dB(A)	69	69
DIMENSION	HxLxW cm	104*90*63	104*90*63
WEIGHT	Kg	90	90
FILTER [2]	-	Conical Shaft Class M Antistatic	Conical Shaft Class M Antistatic
FILTER AREA	m²	0,6	0,6
TYPE OF FILTER CLEANING **STANDARD CONFIGURATION**		Vibration	Vibration

Aerial arm not included

ACCESSORIES and OPTIONAL

Connection Kit *(fitting+clamps+tube)*
38 aerial arm
Start & stop
Different filter cleaning (for Standard/Premium configuration)
PVC collection bag kit
Atex 22 Version

[1] Other voltages and frequencies available upon request

[2] Other filter media available upon request

Industrial vacuum cleaner

FLAT TABLE 100

INDUSTRIAL VACUUM CLEANER FOR NUMERICAL CONTROL MACHINES

The FLAT TABLE 100 litres model equipped with side channel blower is one of the most commonly used in the world of panel processing with horizontal or vertical 3-axis CNC machines. Although it features compact dimensions, to facilitate its use also in tight spaces, this industrial vacuum cleaner has a 100-litre tank. The power combined with the tank capacity allow the use of the FLAT TABLE 100 litres in combination with 3-axis milling machines that are able to generate a significant amount of chips and waste material.
A redesigned tangential inlet for improved cycloning capacity and an anti-static kit as standard equipment are included in the vacuum cleaner. In addition, the revisited cleaning system ensures a significantly improved cleaning of the standard, anti-static filter.

Aerial arm not included

FLAT TABLE 100

Product code		FL2H022	FL2H030	FL2H040
POWER	**Kw**	**2,2**	**3**	**4**
FREQUENCY	Hz	50	50	50
SUPPLY VOLTAGE [1]	V	400	400	400
MAXIMUM NEGATIVE PRESSURE	mbar	200	270	290
MAXIMUM AIR FLOW RATE	m³/h	320	320	320
INLET DIAMETER	ømm	100	100	100
NUMBER OF INLETS	n	1 Tangential	1 Tangential	1 Tangential
CONTAINER CAPACITY	Lt	100	100	100
SOUND PRESSURE LEVEL *(IEC 60704-2-1:200)*	dB(A)	69	69	69
DIMENSION	HxLxW cm	152*104*73	152*104*73	152*104*73
WEIGHT	Kg	115	115	115
FILTER [2]	-	Conical Shaft Class M Antistatic	Conical Shaft Class M Antistatic	Conical Shaft Class M Antistatic
FILTER AREA	m²	1	1	1
TYPE OF FILTER CLEANING **STANDARD CONFIGURATION**		Vibration	Vibration	Vibration
PREMIUM FILTER	-	Cartridge Class M Antistatic	Cartridge Class M Antistatic	Cartridge Class M Antistatic
PREMIUM FILTER AREA	m²	1,8	1,8	1,8
PREMIUM TYPE OF FILTER CLEANING **PREMIUM CONFIGURATION**		With compressed Counterflow air Pulses	With compressed Counterflow air Pulses	With compressed Counterflow air Pulses

Aerial arm not included

ACCESSORIES and OPTIONAL

Connection Kit *(fitting+clamps+tube)*
★ **PREMIUM CONFIGURATION**
100 aerial arm
Start & stop
Different filter cleaning (for Standard/Premium configuration)
Lift kit for tank 100
PVC collection bag kit
Atex 22 Version

[1] Other voltages and frequencies available upon request

[2] Other filter media available upon request

Industrial vacuum cleaner

FLAT TABLE 100

INDUSTRIAL VACUUM CLEANER FOR NUMERICAL CONTROL MACHINES

The FLAT TABLE 100 litres model equipped with side channel blower is one of the most commonly used in the world of panel processing with horizontal or vertical 3-axis CNC machines. Although it features compact dimensions, to facilitate its use also in tight spaces, this industrial vacuum cleaner has a 100-litre tank. The power combined with the tank capacity allow the use of the FLAT TABLE 100 litres in combination with 3-axis milling machines that are able to generate a significant amount of chips and waste material.

A redesigned tangential inlet for improved cycloning capacity and an anti-static kit as standard equipment are included in the vacuum cleaner. In addition, the revisited cleaning system ensures a significantly improved cleaning of the standard, anti-static filter.

Aerial arm not included

FLAT TABLE 100

Product code		FL2A040	FL2H055
POWER	**Kw**	**4**	**5,5**
FREQUENCY	Hz	50	50
SUPPLY VOLTAGE [1]	V	400	400
MAXIMUM NEGATIVE PRESSURE	mbar	150	300
MAXIMUM AIR FLOW RATE	m³/h	700	550
INLET DIAMETER	ømm	100	100
NUMBER OF INLETS	n	1 Tangential	1 Tangential
CONTAINER CAPACITY	Lt	100	100
SOUND PRESSURE LEVEL *(IEC 60704-2-1:200)*	dB(A)	70	80
DIMENSION	HxLxW cm	152*104*73	152*104*73
WEIGHT	Kg	115	115
FILTER [2]	-	Conical Shaft Class M Antistatic	Conical Shaft Class M Antistatic
FILTER AREA	m²	1	1
TYPE OF FILTER CLEANING **STANDARD CONFIGURATION**		Vibration	Vibration
PREMIUM FILTER	-	Cartridge Class M Antistatic	Cartridge Class M Antistatic
PREMIUM FILTER AREA	m²	1,8	1,8
PREMIUM TYPE OF FILTER CLEANING **PREMIUM CONFIGURATION**		With compressed Counterflow air Pulses	With compressed Counterflow air Pulses

Aerial arm not included

ACCESSORIES and OPTIONAL

Connection Kit *(fitting+clamps+tube)*

⭐ **PREMIUM CONFIGURATION**

100 aerial arm

Start & stop

Different filter cleaning (for Standard/Premium configuration)

Lift kit for tank 100

PVC collection bag kit

Atex 22 Version

[1] Other voltages and frequencies available upon request

[2] Other filter media available upon request

Industrial vacuum cleaner

FLAT TABLE 160

INDUSTRIAL VACUUM CLEANER FOR NUMERICAL CONTROL MACHINES

The FLAT TABLE 160 litres vacuum is among the most highly performing models of the entire iVision range and is ideal for collecting chips in combination with large CNC machines. Thanks to its very powerful side channel blowers and capacious chip collector (160 lit), this model is suitable for the maintenance and cleaning of large machining centres with high production of chips, shavings and dust. The chips generated by the mills on the 3-axis numerical control machines require highly performing industrial extraction to guarantee correct processing of the machine tool.
A redesigned tangential inlet for improved cycloning capacity and an anti-static kit as standard equipment are included in the vacuum cleaner. In addition, the revisited cleaning system ensures a significantly improved cleaning of the standard, anti-static filter.

Aerial arm not included

FLAT TABLE 160

Also available in the **SMART CONNECTED** version

Product code		FL3H055	FL3H075	FL3H125
POWER	**Kw**	**5,5**	**7,5**	**12,5**
FREQUENCY	Hz	50	50	50
SUPPLY VOLTAGE [1]	V	400	400	400
MAXIMUM NEGATIVE PRESSURE	mbar	300	320	290
MAXIMUM AIR FLOW RATE	m³/h	530	550	1100
INLET DIAMETER	ømm	160	160	160
NUMBER OF INLETS	n	1 Tangential	1 Tangential	1 Tangential
CONTAINER CAPACITY	Lt	160	160	160
SOUND PRESSURE LEVEL *(IEC 60704-2-1:200)*	dB(A)	80	80	74
DIMENSION	HxLxW cm	180*126*84	180*126*84	180*126*84
WEIGHT	Kg	190	200	280
FILTER [2]	-	Conical Shaft Class M Antistatic	Conical Shaft Class M Antistatic	Conical Shaft Class M Antistatic
FILTER AREA	m²	1,47	1,47	1,47
TYPE OF FILTER CLEANING **STANDARD CONFIGURATION**		Vibration	Vibration	Vibration
PREMIUM FILTER	-	Cartridge Class M Antistatic	Cartridge Class M Antistatic	Cartridge Class M Antistatic
PREMIUM FILTER AREA	m²	10	10	10
PREMIUM TYPE OF FILTER CLEANING **PREMIUM CONFIGURATION**		With compressed Counterflow air Pulses	With compressed Counterflow air Pulses	With compressed Counterflow air Pulses

Aerial arm not included

ACCESSORIES and OPTIONAL

Connection Kit *(fitting+clamps+tube)*

★ **PREMIUM CONFIGURATION**

160 aerial arm

Start & stop

Different filter cleaning (for Standard/Premium configuration)

PVC collection bag kit

Lift kit for tank 160

Touch screen

Atex 22 Version

[1] Other voltages and frequencies available upon request

[2] Other filter media available upon request

Industrial vacuum cleaner

FLAT TABLE 160

INDUSTRIAL VACUUM CLEANER FOR NUMERICAL CONTROL MACHINES

The FLAT TABLE 160 litres vacuum is among the most highly performing models of the entire iVision range and is ideal for collecting chips in combination with large CNC machines. Thanks to its very powerful side channel blowers and capacious chip collector (160 lit), this model is suitable for the maintenance and cleaning of large machining centres with high production of chips, shavings and dust. The chips generated by the mills on the 3-axis numerical control machines require highly performing industrial extraction to guarantee correct processing of the machine tool.
A redesigned tangential inlet for improved cycloning capacity and an anti-static kit as standard equipment are included in the vacuum cleaner. In addition, the revisited cleaning system ensures a significantly improved cleaning of the standard, anti-static filter.

Aerial arm not included

Also available in the **SMART CONNECTED** version		FLAT TABLE 160	
Product code		FL3A075	FL3A125
POWER	**Kw**	**7,5**	**12,5**
FREQUENCY	Hz	50	50
SUPPLY VOLTAGE [1]	V	400	400
MAXIMUM NEGATIVE PRESSURE	mbar	270	190
MAXIMUM AIR FLOW RATE	m³/h	700	1370
INLET DIAMETER	ømm	160	160
NUMBER OF INLETS	n	1 Tangential	1 Tangential
CONTAINER CAPACITY	Lt	160	160
SOUND PRESSURE LEVEL *(IEC 60704-2-1:200)*	dB(A)	70	75
DIMENSION	HxLxW cm	180*126*84	180*126*84
WEIGHT	Kg	200	250
FILTER [2]	-	Conical Shaft Class M Antistatic	Conical Shaft Class M Antistatic
FILTER AREA	m²	1,47	1,47
TYPE OF FILTER CLEANING **STANDARD CONFIGURATION**		Vibration	Vibration
FILTER	-	Cartridge Class M Antistatic	Cartridge Class M Antistatic
FILTER AREA	m²	10	10
TYPE OF FILTER CLEANING **PREMIUM CONFIGURATION**		With compressed Counterflow air Pulses	With compressed Counterflow air Pulses

Aerial arm not included

ACCESSORIES and OPTIONAL

Connection Kit *(fitting+clamps+tube)*
★ **PREMIUM CONFIGURATION**
160 aerial arm
Start & stop
Different filter cleaning (for Standard/Premium configuration)
PVC collection bag kit
Lift kit for tank 160
Touch screen
Atex 22 Version

[1] Other voltages and frequencies available upon request

[2] Other filter media available upon request

Industrial vacuum cleaner

FLAT TABLE 320

INDUSTRIAL VACUUM CLEANER FOR NUMERICAL CONTROL MACHINES

The FLAT TABLE 320 model is used in the world of machining with 3-axis CNC machines with high dust/chip production. Designed specifically for industrial purposes, this model is equipped with powerful motors and advanced performing filtration system.
Its vacuum and airflow characteristics make it ideal for heavy dust extraction. The use of a pre-filter-cyclone enables it to capture more than 90% of the sucked material before it reaches the main filter, thus preventing clogging and greatly extending its service life.
A redesigned tangential inlet for improved cycloning capacity and an anti-static kit as standard equipment are included in the vacuum cleaner. In addition, the revisited cleaning system ensures a significantly improved cleaning of the standard, anti-static filter.

Aerial arm not included

FLAT TABLE 320

Also available in the **SMART CONNECTED** version

Product code		FL4H055	FL4H075	FL4H125
POWER	**Kw**	**5,5**	**7,5**	**12,5**
FREQUENCY	Hz	50	50	50
SUPPLY VOLTAGE [1]	V	400	400	400
MAXIMUM NEGATIVE PRESSURE	mbar	320	320	290
MAXIMUM AIR FLOW RATE	m³/h	530	550	1100
INLET DIAMETER	ømm	160	160	160
NUMBER OF INLETS	n	1 Tangential	1 Tangential	1 Tangential
CONTAINER CAPACITY	Lt	320 (160x2)	320 (160x2)	320 (160x2)
SOUND PRESSURE LEVEL *(IEC 60704-2-1:200)*	dB(A)	80	80	74
DIMENSION	HxLxW cm	250*200*150	250*200*150	250*200*150
WEIGHT	Kg	420	425	425
FILTER [2]	-	Conical Shaft Class M + PTFE main filter	Conical Shaft Class M + PTFE main filter	Conical Shaft Class M + PTFE main filter
FILTER AREA	m²	1,47	1,47	1,47
TYPE OF FILTER CLEANING **STANDARD CONFIGURATION**		Vibration	Vibration	Vibration
FILTER	-	Cartridge Class M Antistatic	Cartridge Class M Antistatic	Cartridge Class M Antistatic
FILTER AREA	m²	10	10	10
TYPE OF FILTER CLEANING **PREMIUM CONFIGURATION**		With compressed Counterflow air Pulses	With compressed Counterflow air Pulses	With compressed Counterflow air Pulses

PREMIUM

Aerial arm not included

ACCESSORIES and OPTIONAL

Connection Kit *(fitting+clamps+tube)*

⭐ **PREMIUM CONFIGURATION**

160 aerial arm

Start & stop

Different filter cleaning (for Standard/Premium configuration)

PVC collection bag kit

Touch screen

Atex 22 Version

[1] Other voltages and frequencies available upon request

[2] Other filter media available upon request