



Industrial vacuum cleaners for
Workshops and Engineering Industries



Cleaning during metal working



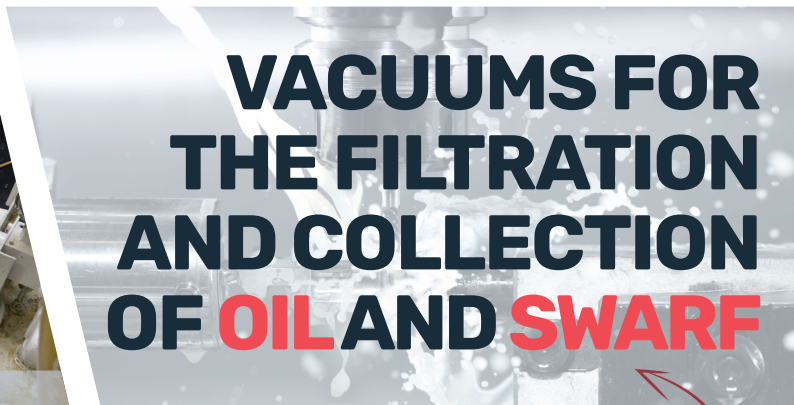
Vacuuming of large quantities of materials



Cleaning of machine tools



Wide range of accessories for vacuuming



VACUUMS FOR THE FILTRATION AND COLLECTION OF OIL AND SWARF



Vacuuming and separation of oils and swarf



Reuse of filtrated oils and lubricants

THE RANGE



		DM40 OIL	TC100 MPI	TC 220 MPI
Voltage	V-Hz	115 - 60 1~	115 - 60 1~	115 - 60 1~
Power	kW	3.0 (2.3)	3.0 (2.3)	3.0 (2.3)
Max air flow	m³/h	282.5 (480)	282.5 (480)	282.5 (480)
Liquids capacity	lt	11 (100)	26 (100)	58 (220)
Solids capacity	lt	26 (40)	10.6 (40)	11 (40)
Protecting motor filter		Polyester - Class L	3D Superweb	3D Superweb
Polypropilene filter		300 µm	300 µm	300 µm
Liquids discharge system		Discharge valve	Submerged pump	Submerged pump
Discharge flow rate	lt/min		42	42
Dimension and weight	cm-kg	26 x 26 x 49 - 143	26 x 26 x 49 - 154	57 x 28 x 58 - 364



		TC100 IF	TC 220 IF	TC400 IF	TC 600
Voltage	V-Hz	460 - 60 3~	460 - 60 3~	460 - 60 3~	460 - 60 3~
Power	kW	4.6 (3.5)	4.6 (3.5)	6.2 (4.6)	16.8 (12.6)
Max air flow	m³/h	211.9 (360)	211.9 (360)	294.3 (500)	364.9 (620)
Liquids capacity	lt	26 (100)	58 (220)	106 (400)	161 (610)
Solids capacity	lt	10.6 (40)	11 (40)	13 (50)	19.8 (75)
Protecting motor filter		3D Superweb	3D Superweb	3D Superweb	3D Superweb
Polypropilene filter		Optional	Optional	Optional	Optional
Liquids discharge system		Reverse flow	Reverse flow	Reverse flow	External pump
Discharge flow rate	lt/min	53	53	53	79
Dimension and weight	cm-kg	26 x 26 x 53 - 209	57 x 28 x 69 - 408	55 x 28 x 71 - 496	76.7 x 28 x 76.7 - 892.8

*Available also with pump -model TC400T43

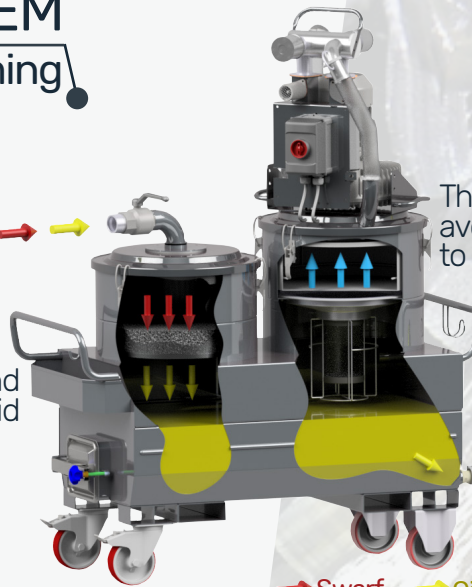
FEATURES

OPERATING SYSTEM

Oils and swarf vacuuming

Oils and swarf are vacuumed in the separation chamber

Swarf are filtrated and holded back in the sieve grid



The filter and the floating system avoid oils mists and liquids to come into contact with the motor

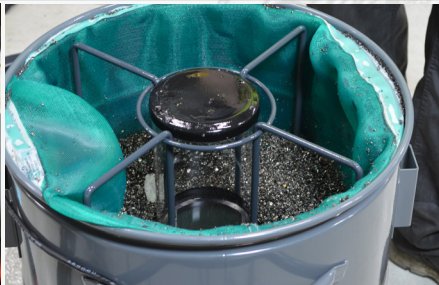
Oils are collected in the container and conveyed back in the machinery through the discharge pump

→ Swarf → Oils/Lubricants → Air Flow

FILTRATION



Sieve grid for the separation of swarf and metal chips from vacuumed oils



PPL filter 300/100 micron for an higher filtration of fine swarfs



3D Superweb filter to protect the motor from oils mists

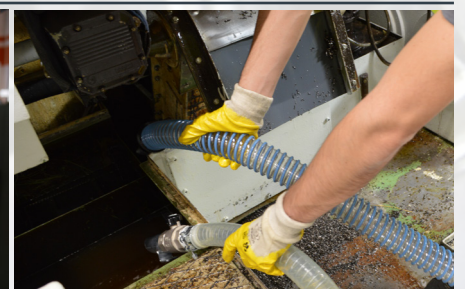
DISCHARGE



Practical discharge of swarf from the sieve grid or from the extractable collection container



Reverse flow for the discharge of liquids alternately with vacuuming - "IF" Models



Submerged pump for the simultaneous liquids suction and discharge - "MPI" Models

ACCESSORIES



Specific kit accessories for the vacuuming of oils, lubricants and swarf

HOW DELFIN VACUUM CLEANERS CAN MAKE A REAL CHANGE IN YOUR MECHANICAL INDUSTRY?

Clean lubricants used in CNC machineries significantly **reduce waste and production defects** during processing.

Oils and **emulsions risk to stratify** in the collection tanks, consequently sealing off the clean lubricant, which is however, the element allowing machines to work efficiently.

Delfin provide the solution to **recover and filter** these emulsions and so to guarantee the following advantages:

Conformation of oils in the collection tanks:



REUSE OF CLEANED OIL
AND LUBRICANTS



LIMITED DOWN-TIMES
DUE TO MACHINERY
MAINTENANCE



30% REDUCTION OF
MAINTENANCE COSTS



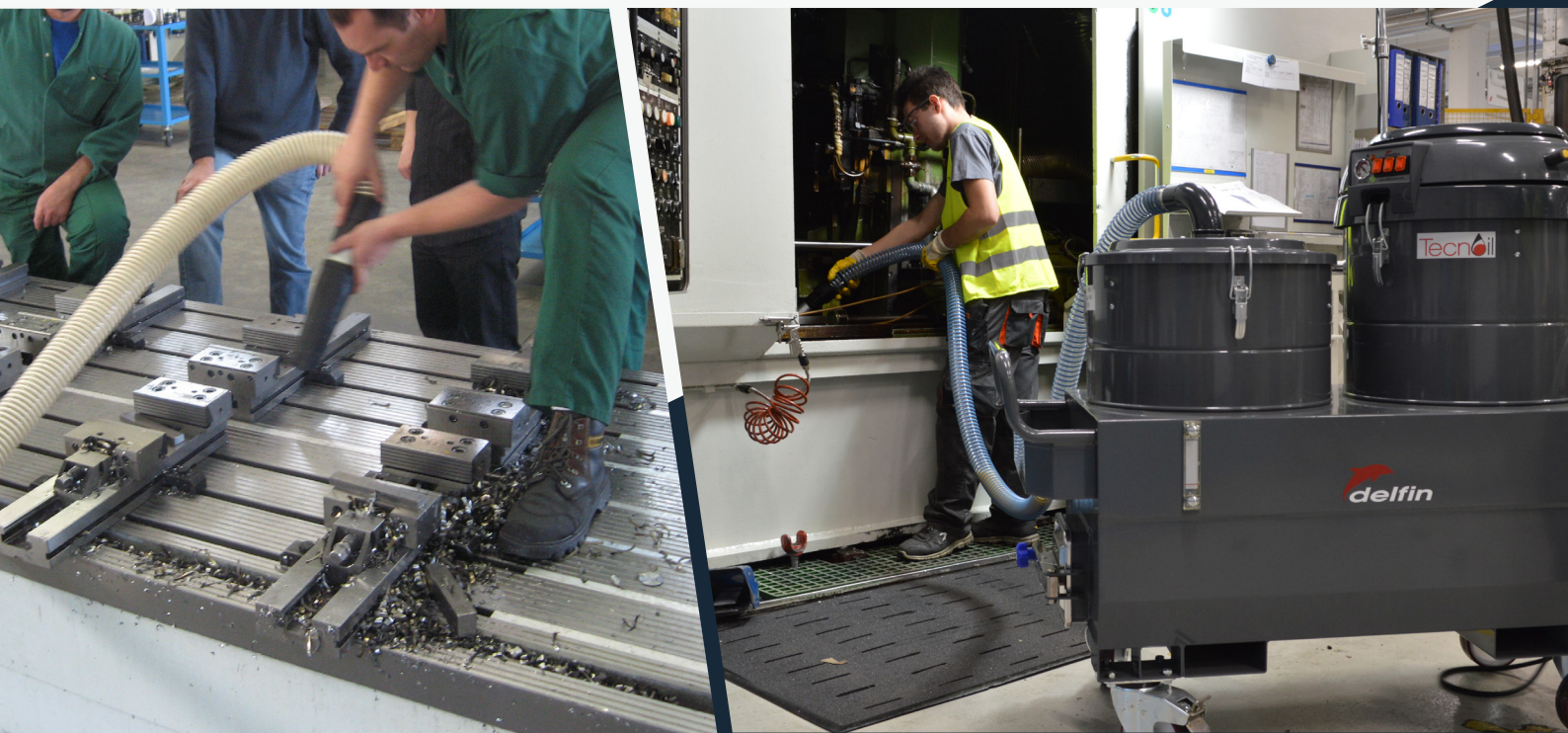
WORKING PLACES
CLEANING



GUARANTEED SAFETY
FOR WORKERS



SAFE DISPOSAL OF
VACUUMED MATERIALS





DO YOU HAVE A 3D PRINTER?

Delfin has developed a wide range of specific solutions for conductive and potentially explosive dusts :

- Collection of printer dusts
- Efficient cleaning of the printer
- Guaranteed safety for workers
- ATEX 22, cat 3D certified vacuums cleaners



DELFIN INDUSTRIAL CORPORATION
2010 E CENTER CIRCLE, MINNEAPOLIS, MN 55441



877-205-9015



DELFIN@DELFINVACUUMS.IT



DELFININDUSTRIAL.COM

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