



INDUSTRIAL VACUUM SOLUTIONS FOR

# Workshops and Engineering Industries

**D E L F I N**  
FOR A DUST-FREE WORLD

# 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.

## CONFORMATION OF OILS IN THE COLLECTION TANKS:



## INDUSTRIAL VACUUM ADVANTAGES:

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



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



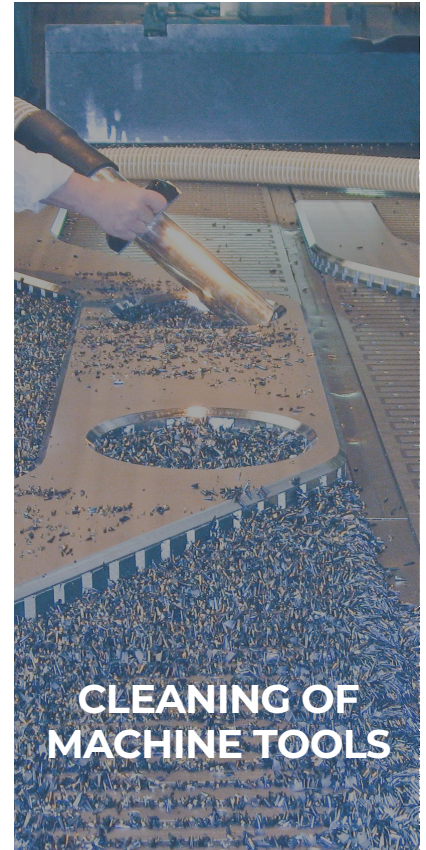
## VACUUMS FOR SWARF COLLECTION



**CLEANING DURING METAL WORKING**



**VACUUMING OF LARGE QUANTITIES OF MATERIALS**



**CLEANING OF MACHINE TOOLS**

# METAL CHIPS RANGE



TECHNICAL DATA	DM3 EL	DG 50 EXP	C600M	C600 T75 NT	C1000 T75	C1000 T110
Voltage	230V-50Hz 1~	400V-50Hz 3~	230V-50Hz 1~	400V-50Hz 3~	400V-60Hz 3~	400V-60Hz 3~
Power	3,45 kW	4,6 kW	3,45 kW	8,6 kW	9,9 kW	14,5 kW
Max air flow	540 m <sup>3</sup> /h	420 m <sup>3</sup> /h	540 m <sup>3</sup> /h	700 m <sup>3</sup> /h	840 m <sup>3</sup> /h	1300 m <sup>3</sup> /h
Filter	Star	Star	Star	Star	Star	Star
Capacity	60 lt	100 lt	600 lt	600 lt	1000 lt	1000 lt
Filter cleaning system	Manual	Manual	Manual	Manual	Manual	Manual
Dimensions (cm) Weight	70x66x134h 77kg	67x120x148h 137 kg	100x130x224 380 kg	100x130x250h 530 kg	116x145x260h 530 kg	1116x145x264h 380 kg

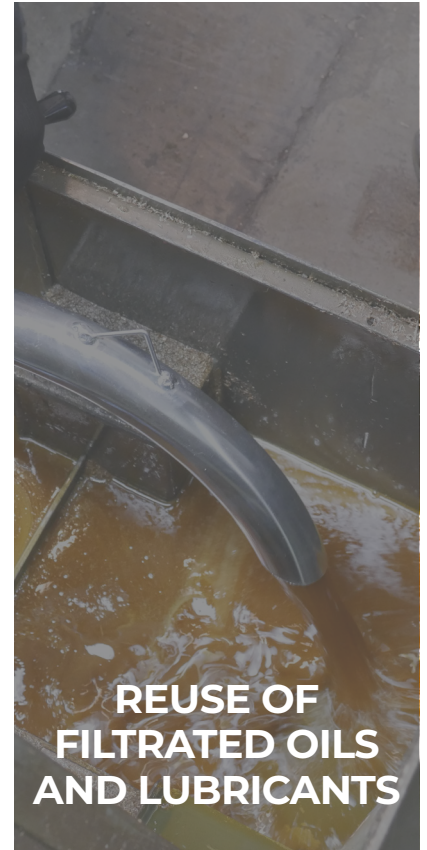
# VACUUMS FOR THE FILTRATION AND COLLECTION OF OIL AND SWARF



**WIDE RANGE OF ACCESSORIES FOR VACUUMING**



**VACUUMING AND SEPARATION OF OILS AND SWARF**



**REUSE OF FILTRATED OILS AND LUBRICANTS**

## TECNOIL RANGE



TECHNICAL DATA	MTL 802 OIL	DM40 OIL	TC100 MPI	TC 220 MPI	TC 220 IF	TC400 IF	TC 600
Voltage	230V - 50Hz 1~	230V - 50Hz 1~	230V - 50Hz 1~	230V - 50Hz 1~	400V - 50Hz 3~	400V - 50Hz 3~	400V - 50Hz 3~
Power	2,3 kW	3,45 kW	3,45 kW	3,45kW	3,45 kW	4,6 kW	12,6 kWw
Max air flow	360 m³/h	540 m³/h	540 m³/h	540 m³/h	318 m³/h	420 m³/h	520 m³/h
Capacity	Liquids 50 Lt Solids 30 Lt	Liquids 60 Lt Solids 40 Lt	Liquids 60 Lt Solids 40 Lt	Liquids 220 Lt Solids 40 Lt	Liquids 220 Lt Solids 40 Lt	Liquids 400 Lt Solids 50 Lt	Liquids 610 Lt Solids 75 Lt
Protecting motor filter	-	-	3D Superweb	3D Superweb	3D Superweb	3D Superweb	3D Superweb
Polypropilene filter	-	300µm	300µm	20µm	20µm	20µm	20µm
Liquids discharge system	Discharge hose	Discharge valve	Pump	Pump	Reverse flow	Reverse flow*	Pump
Discharge flow rate	-	-	160 lt/min	160 lt/min	200 lt/min	200 lt/min	300 lt/min
Dimensions (cm) Weight	53x59x106h 40 kg	67x66x125h 65 kg	87 x66x125h 70 kg	150x72x175h 165 kg	150x72x175h 185 kg	145x70x180h 225 kg	213x75x184h 405 kg

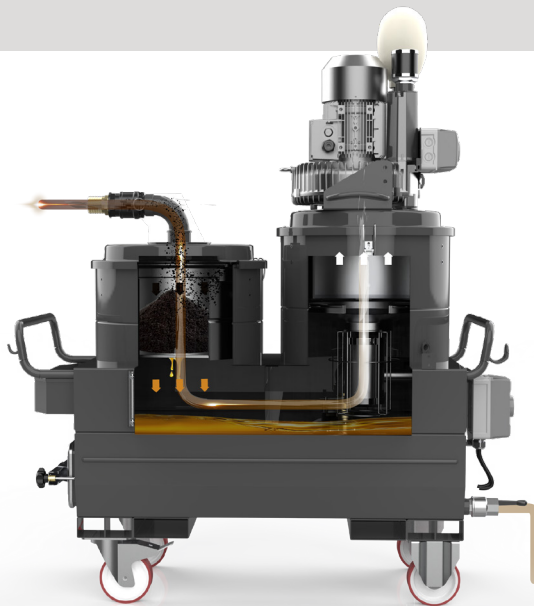
\*Available also with pump -model TC400T43

# 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

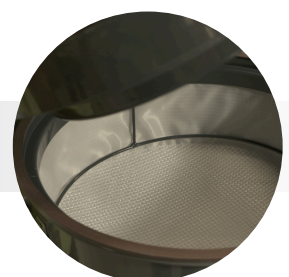
### FILTRATION



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



The camlock connection guarantees a secure hold of the accessories and no spillage of the vacuumed material (Tecnoil range)



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

Delfin is an Italian company that started as a small family business and has evolved into a global specialist in industrial dust management. For over 40 years, Delfin has been developing innovative solutions for the vacuuming, filtration, and conveying of materials within industrial processes.

The company combines entrepreneurial vision with strong managerial leadership, led by a team of young managers alongside the founding family. With more than 200 employees and a presence in over 80 countries, Delfin exports 80% of its production worldwide. Its goal is to transform dust from a problem into an opportunity.

