



Industrial Vacuums for **engineering**  
**and automotive industries**



# Save time and oil during machine tools maintenance?

## Today it **is possible**

In engineering and automotive industries, cleaning and maintenance of machine tools is an inevitable cost. But today there is a **simple, fast and efficient** way to minimize this cost: the TECNOIL vacuum.

# Tecnoil

Tecnoil vacuums are designed to suck up coolant and lubricant oils, liquids mixed with shavings, and to separate solid parts from liquids, thus making it possible to use again the collected oil in the machine tools, with significant savings. Delfin vacuums are the **perfect tools to reduce time** required to empty tanks (from 5 to 1 hour to empty a 1000 lt. tank), increasing simultaneously the quality of the cleaning and the operator's safety.

### - waste - time + saving

Using a Tecnoil vacuum guarantees a return on investment and subsequent saving, due to the following **advantages**:

#### Financial saving:

- + using several times the same oil and coolant, thus reducing the cost of buying them new
- + saving on the oil disposal cost

#### Time saving:

- + reducing machine tools maintenance time
- + need of just one operator to carry out machine tool cleaning
- + reduction of machine tools stand by time



DM 40 OIL  
TC 100 IF 3M

802 WD

TC 100 IF

TC 200 IF 3M

TC 200 IF

TC 400 IF



# Delfin vacuums , the perfect tool to **maintain your machine tools.** Top quality at your service.

## Motors

Tecnoil vacuums are equipped with powerful motors, single or three phase. The range spans from 2.3 KW up to 11 KW: more powerful systems can be designed upon customers' request.



By-pass single-phase motor



Side channel blower



Sieve basket extractable with floating device



SUPERWEB 3D oil mist filter



Oil proof filter H13

## Filtration

Extractable sieve basket to separate metal chips, with integrated floating device to stop the suction when container is full of liquids.

Additional 3D SUPERWEB filter to filter lighter oils and oil mist . Water-oil proof polyester cartridge filter, with external PTFE membrane providing 2.7 m2 surface and efficiency class H13.

## Liquid and chips disposal system

Reversed airflow or independent pump system, for fast discharge of the collected liquids (100 lt / min. to 300 lt. / min)

Extractable container for disposal of metal chips. Alternative tilting hopper discharge system.

Visual level indicator and/or integrated floating level sensor, to stop the suction when the container is full of liquids.



## Assets that make the difference!



In the product, such as the suction hose connection that swivels and follows you when vacuuming!

Find out all technical details on [www.delfinvacuums.it](http://www.delfinvacuums.it)



Delfin truly believes in the reliability of its products: for this reason, all Delfin vacuums are covered by two years' warranty.



All Delfin vacuums and systems are 100% MADE IN ITALY. Since 25 years, Delfin designs and manufactures industrial vacuum solutions for engineering industries and industrial manufacturing.





# Technical datasheet

		802 WDP	DM 40 OIL	TC100 M IF	TC100 T IF	TC200 M IF	TC200 T IF	TC400 T IF	TC600
	V	230 / 1~	230 / 1~	230 / 1~	400 / 3~	230 / 1~	400 / 3~	400 / 3~	400 / 3~
<b>Power</b>	kW	2,3	3,45	3,45	3	3,45	3	4	11
<b>Max. water lift</b>	mmH <sub>2</sub> O	2500	2500	2500	3000	2300	3000	3600	6000
<b>Max. air flow</b>	m <sup>3</sup> /h	360	540	540	300	540	300	400	480
<b>Chip basket capacity</b>	lt.	-	40	40	40	50	50	50	75
<b>Capacity</b>	lt.	80	100	100	100	200	200	400	610
<b>Ø Suction inlet</b>	mm	50	80	50	50	50	50	50	60
<b>Noise level</b>	db(A)	76	76	76	78	76	78	76	78
<b>LEVEL CONTROL</b>	Type	Mechanical floating	Mechanical floating	Mechanical floating	Mechanical floating	Automatic	Automatic	Automatic	Automatic
<b>STANDARD DISPOSAL SYSTEM</b>	Type	SUBMERGED PUMP	MANUAL	REVERSED FLOW	REVERSED FLOW	REVERSED FLOW*	REVERSED FLOW*	REVERSED FLOW*	EXTERNAL PUMP

\*Discharge through pump available as option

## Accessories



The best vacuums need the best accessories to guarantee the best performances. Delfin provides specific accessories kits designed to collect chips and lubricant oils, and a complete array of optional technical accessories.

## Options

Independent discharge electrical pump. Max. capacity 300 lt. / min.

Additional filters on the pump side down to 10 micron filtration efficiency. Option suitable for the recovery of fine and / or precious metal particles

Separating cyclone to vacuum directly into disposable drums. The cyclone head can be placed directly on top of the drum and integrated with the suitable options for the application.



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