

FILTERCOMM



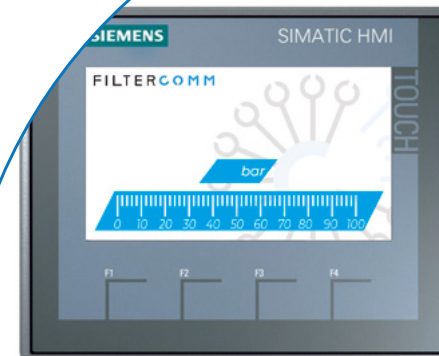
**HIGH-PRESSURE
SYSTEM**

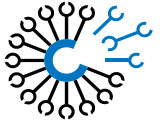
POWERBOOST

High-pressure station

A compact station for the filtration and high-pressure transfer of industrial lubricants.
Specially designed for machining centres, lathes and drilling machines.

POWERBOOST





1

Dirty coolant inlet:

The transfer pump suctions dirty coolant from the machine tool tank.

2

Filtration process:

Duplex cartridge filters with automatic by-pass separate the fine particles and foreign matter from the lubricant. The clean coolant then flows into the high-pressure station's tank.

3

High-pressure coolant transfer:

A high-pressure pump transfers the clean coolant back to the machine tool through one or more outlets.

4

Monitoring of parameters:

The built-in touchpad enables viewing and control of the high-pressure system's operating data.



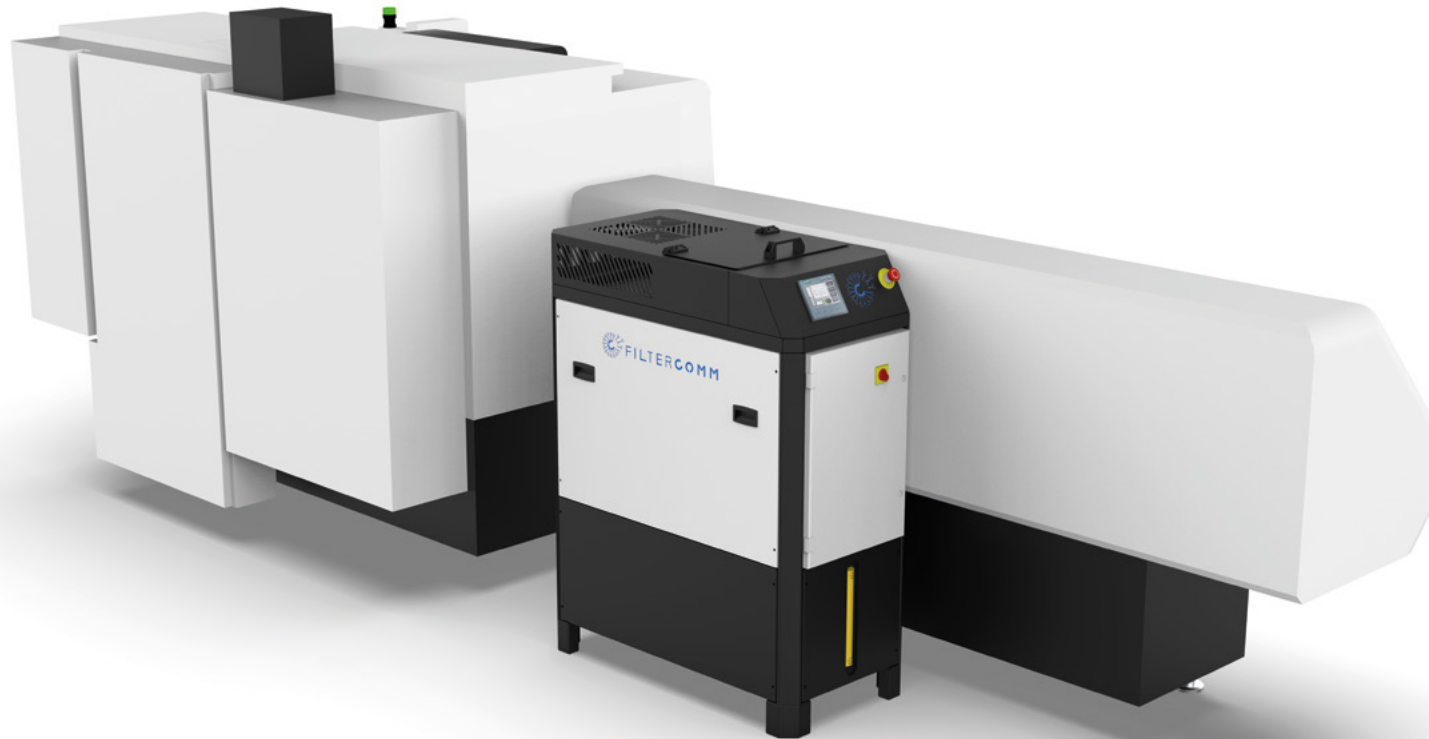
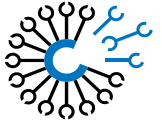
POWERBOOST FEATURES



- 1 Dirty coolant suction pump
- 2 Duplex filtration system with automatic by-pass
- 3 High-pressure transfer pump
- 4 180 liter containment tank
- 5 Easy to use 4" HMI color panel



- ✓ Pressure relief valve on high-pressure hydraulic circuit
- ✓ Flow switch on low pressure line
- ✓ Up to eight outlets with pilot valves
- ✓ Digital pressure switch with display for high pressure circuit
- ✓ Interface to the machine tool PLC



Reduction in maintenance costs

Compact and easy to install

Reduction in machine setup time

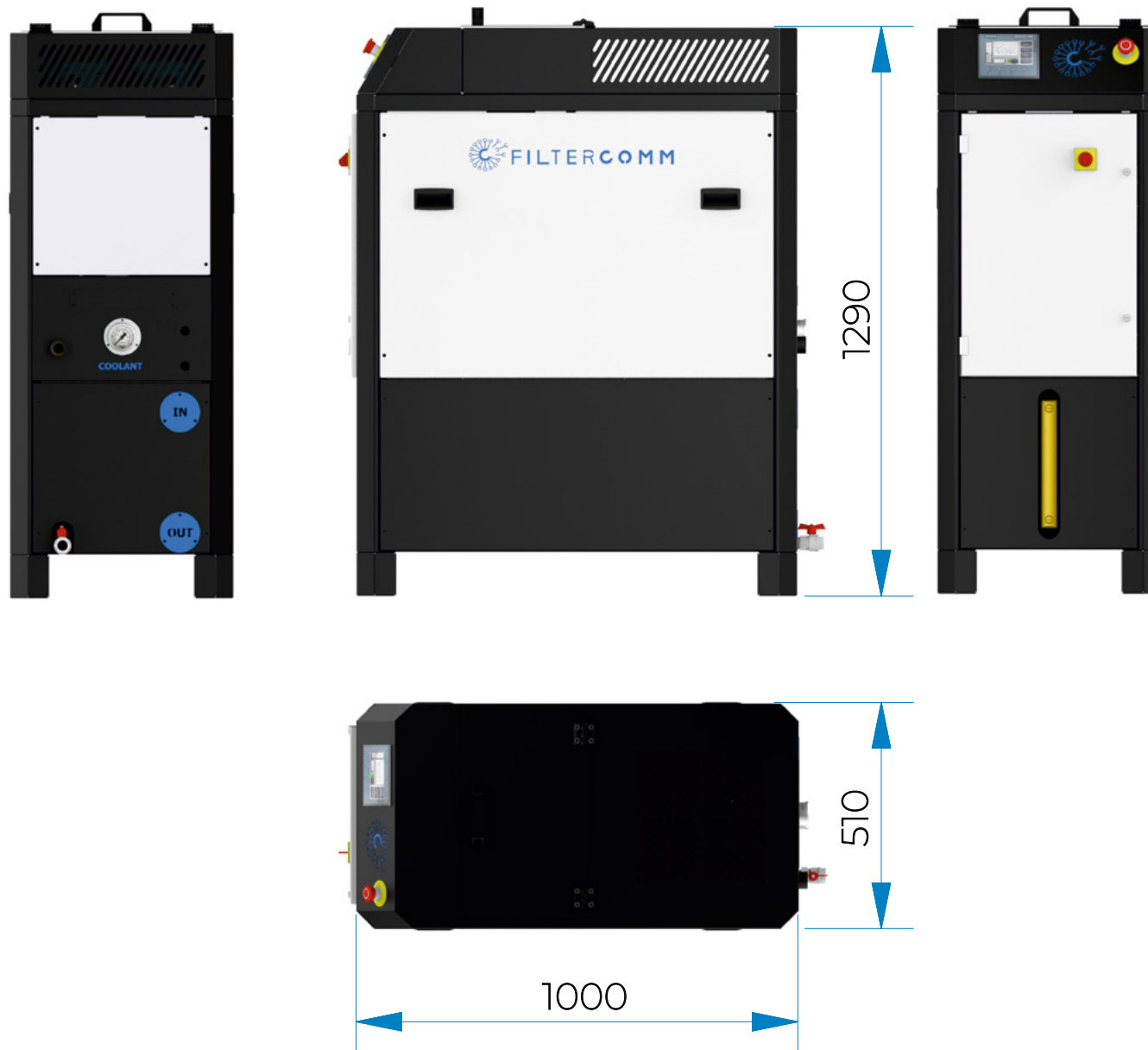
Longer coolant life

**Increase in cutting and drilling speeds, with
reduced processing times**

Longer tool life



POWERBOOST
TECHNICAL DETAILS



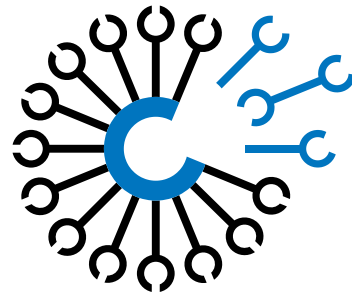


PowerBoost

Dual

Oil

Coolant		Emulsion/Oil	Oil
Max. flowrate	l/m	40	25
Max. pressure	bar	70	120
Tank capacity	l	180	180
Filtration level	μ	25 - 60 - 90	25 - 60 - 90
Power	kW	3 - 4 - 5,5	2,2 - 3 - 4
Pump type		Screw	Gear
Coolant outlets		1 - 4 - 8	1 - 4 - 8
Voltage and Tension	V	400/460	400/460
	Hz	50/60	50/60



all in one.



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