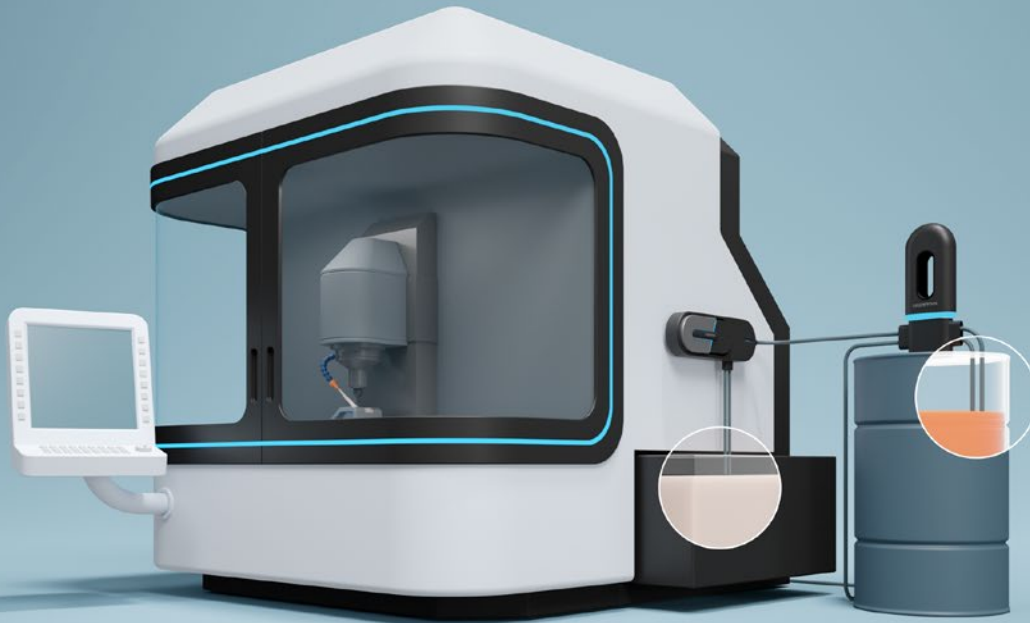


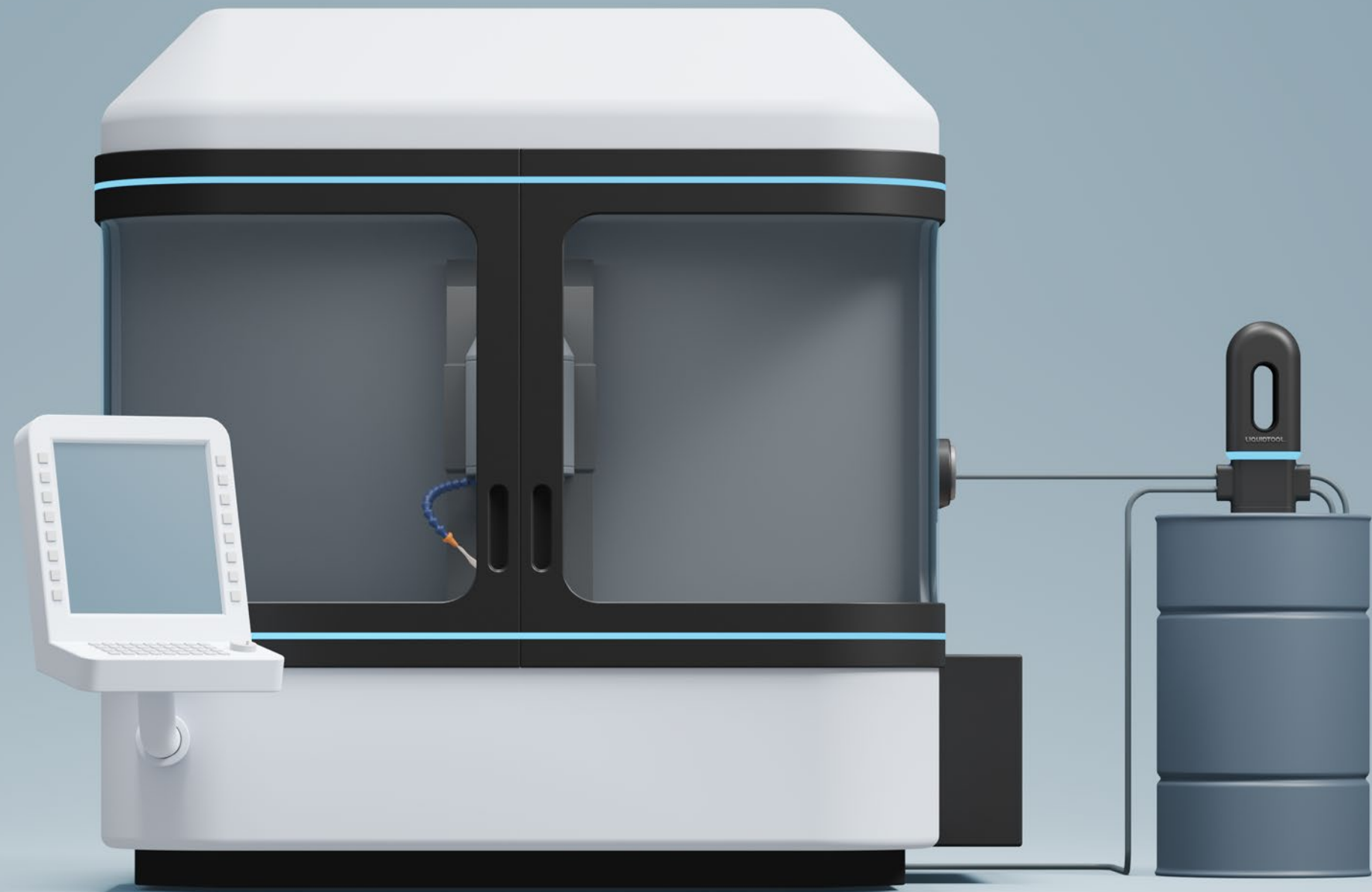
LIQUIDTOOL.



Smart Coolant Management

The fastest way to
automation and digitization

Dive into the world of a perfectly set machine



0%
manual intervention

Ø 40%
Reduction of the
coolant consumption

100%
Tool life

24/7
Perfect coolant
condition



Fully automatic coolant management system

The fully automatic coolant management system measures and monitors all connected coolant sumps' concentration, level, and temperature.

The system automatically tops up each coolant sump with the correct concentration. This means that you have the perfect coolant condition in every machine around the clock.

You will be informed of all actions performed by the system. And can thus concentrate on your core tasks.

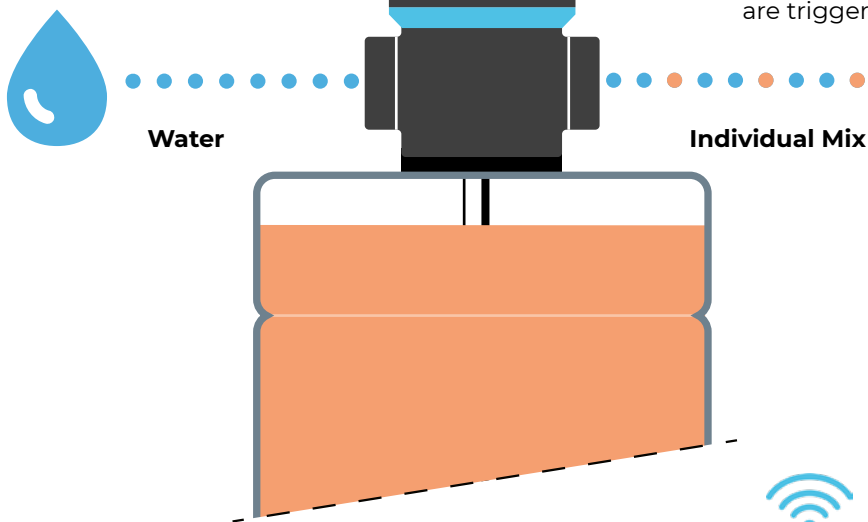
Check out the video



How does smart coolant management work?

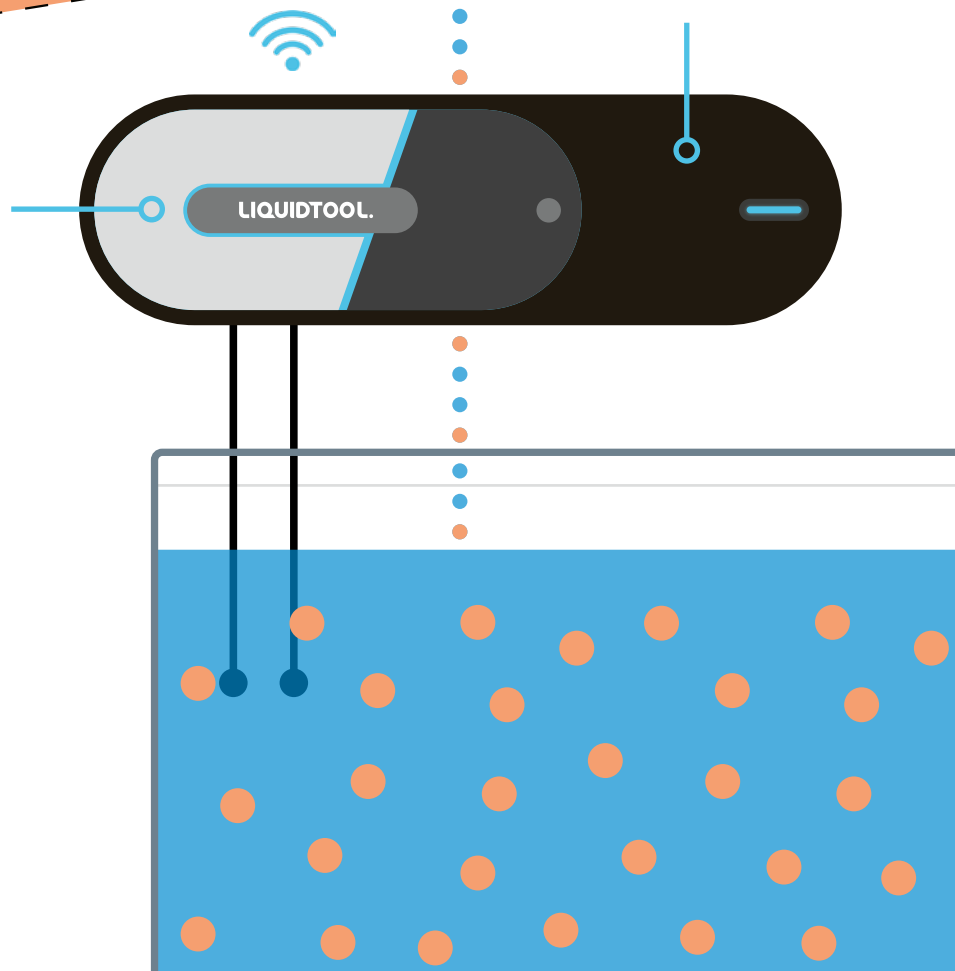
Liquidtool SmartFiller

The SmartFiller measures the filling level of the concentrate and directly mixes the correct concentration. Via Extender, each coolant sump is topped up individually.



Liquidtool Sensor 01

The Sensor 01 regularly measures the concentration and temperature of the coolant. It ensures a constant concentration in the sump and triggers the command to top up if necessary. The Sensor is also available separately as a pure monitoring solution.



Liquidtool Manager

The heart of the system: the Manager ensures the overview and control of all machines. Data is analyzed in real-time and actions, if necessary, are triggered directly.



Liquidtool Extender

The Extender measures the filling level in the coolant sump and gives the command to top up. It is directly connected to the SmartFiller and measures the flow during topping up.

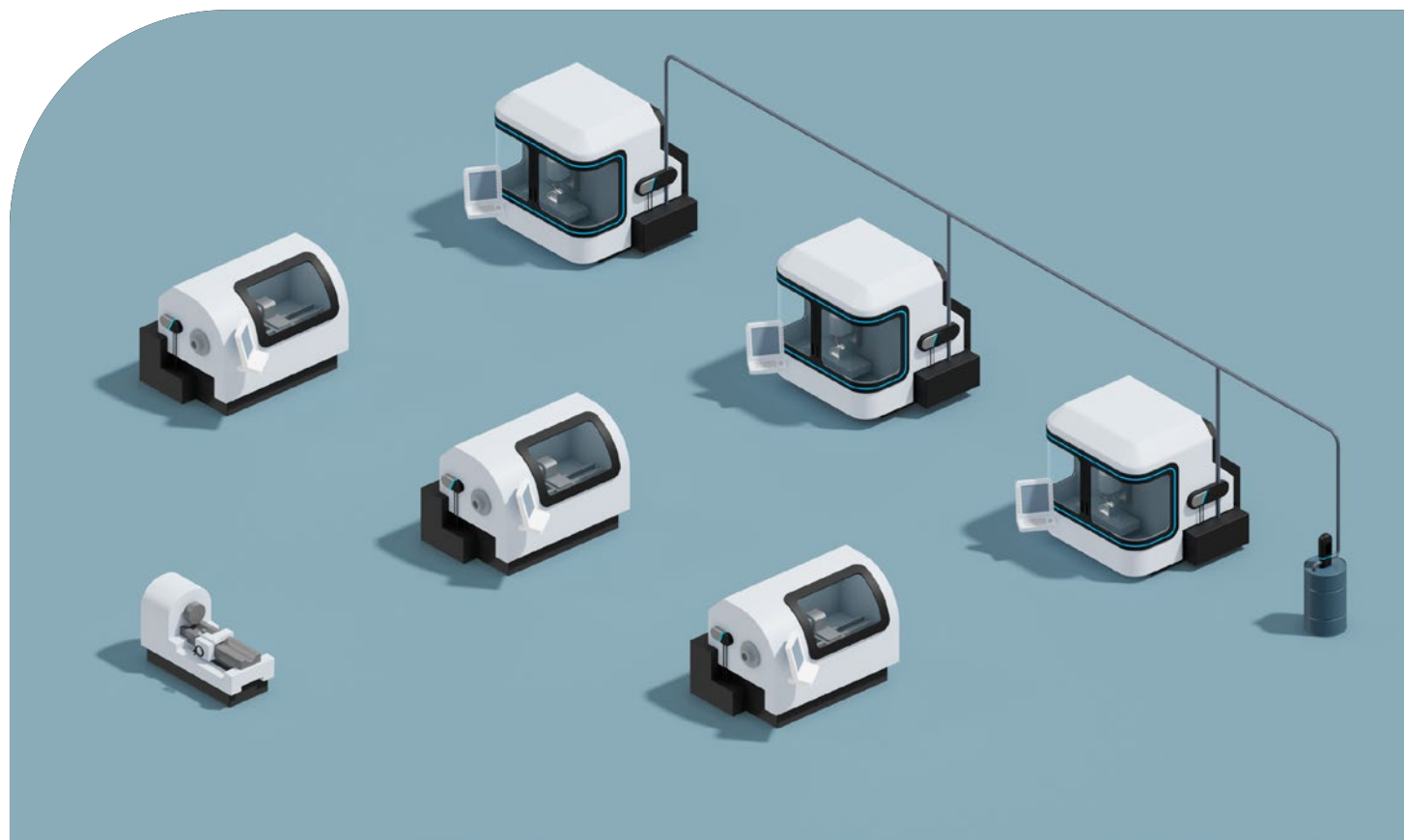


A modular system for all needs

All Liquidtool solutions are characterized by their modularity and flexibility. You can start with one machine and then expand the system as you wish, according to your requirements.

You can monitor your machines manually, but have them displayed digitally. The system measures and monitors the sump and the concentration of the coolant by itself. And tops it up just as automatically. It also enables solutions with automatic additivation for central systems.

No matter what and how many machines you have - or what monitoring and automation you want: Liquidtool has a solution for your needs. So you can equip your shop floor entirely according to your wishes.



More efficiency, less cost: Don't underestimate the power of good coolant management

Coolant is an important part of machining. Proper maintenance is time-consuming and often neglected. Yet coolant has a significant influence on productivity.

Only when in perfect condition, coolant will deliver its full potential. This enables stable processes, longer tool life and optimal results.

Discover your savings potential:
US\$ 5000 per year per machine

Sector		Savings per year per machine
	Coolant savings On average 40% less coolant consumption Example: Saving 24 gallons at 40\$/gallon	on average US\$ 960
	Time saving measuring, documenting, topping up Everything is fully automated, no manual work Example: 80 min per machine per week in 2-shift operation	on average US\$ 2200
	Process stability, lower scrap rate, fewer customer complaints No fluctuations in concentration, no surprises in the process Example: customer complaint = administration effort, rework, reputation damage	at least US\$ 330
	Better coolant performance due to less foam, stickiness, corrosion When coolant is set perfectly, the machine has to be cleaned less often Example: Cleaning effort per machine	on average US\$ 220
	Longer tool life Extension of tool life through optimal concentration Example: Broken off tap due to too low concentration	on average US\$ 1100
	Reduction of days lost by employees Reduction of the risk of skin rashes (Most frequent reason for absenteeism in Germany) Example: Reduction by 1 sick day per year	up to US\$ 220

Prices

With 3 machines

Price per machine per year:

US\$ 1226.15*



All our solutions are available with an annual subscription.

Your benefits:

- Solution as a Service (SaaS)
- Always latest software version
- Unlimited warranty
- Minimum term: 24 months

	AutoPilot Single	AutoPilot Multi
		
Configuration (as depicted)	<ul style="list-style-type: none">• Liquidtool Manager• 1x Liquidtool Sensor 01• 1x Liquidtool Extender• 1x Liquidtool SmartFiller	<ul style="list-style-type: none">• Liquidtool Manager• 3x Liquidtool Sensor 01• 3x Liquidtool Extender• 1x Liquidtool SmartFiller
Piping	No piping required	Piping required
Internet connection (LAN or WLAN)	required	required
Price per machine (US\$)	1 735.80 per machine	1 226.15 per machine

* AutoPilot Multi solution, excl. VAT and installation cost

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individual
quote



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