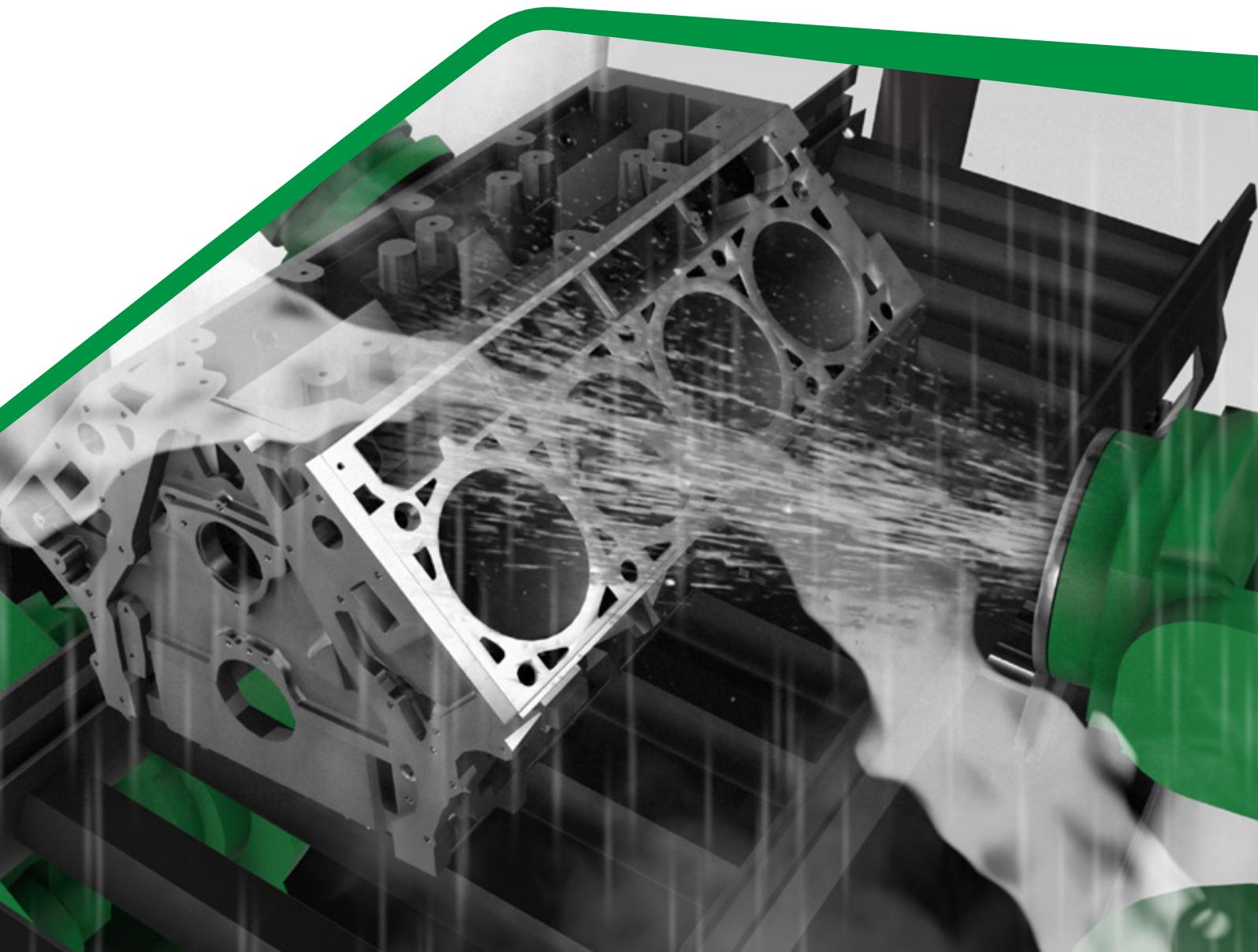


 **Castrol**  
Techniclean XBC

# Forward to using less

with Castrol Techniclean XBC,  
high-performance cleaners.



# A new approach to precision metalworking cleaning

Industrial cleaning is integral to every metalworking process, from automotive to machinery manufacture. While it is essential, it is also highly problematic.

We know it can be challenging to separate certain coolant components from the wash bath, while meeting targets, reducing costs and minimise your environmental impact.

## Castrol Techniclean XBC re-imagines the process by recycling the cleaner.

When cleaning fluids are underperforming they can compromise productivity and increase operating costs. Also, the coolant elements they wash off, can push up the development of foam and create unwanted residues on parts and components. The result is more frequent, costly disposal and replacement of the wash fluid.

## Castrol Techniclean XBC: our most advanced aqueous process cleaner.

Castrol Techniclean XBC is a high-performance cleaner that doesn't raise operating costs – it cuts them.

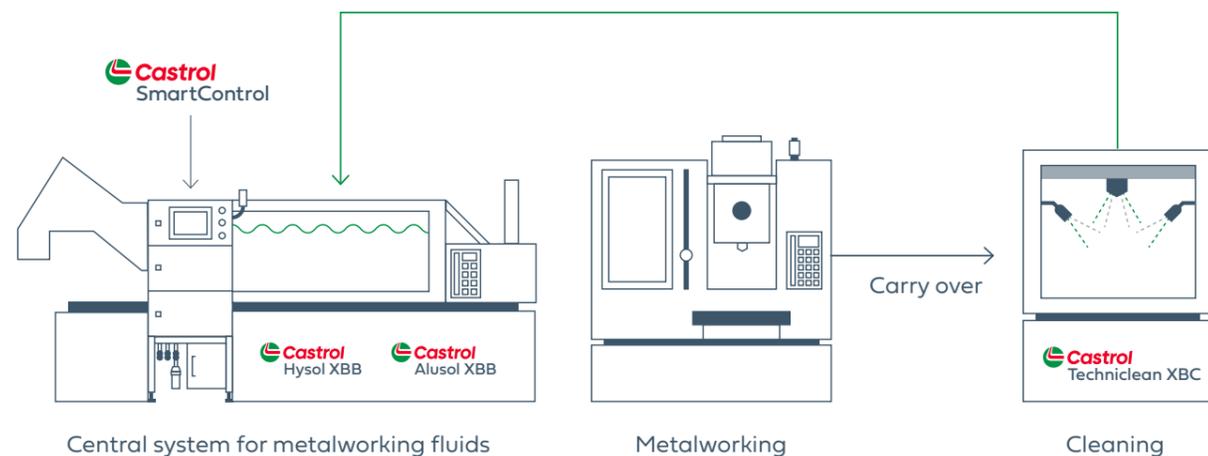
Castrol Techniclean XBC is our most advanced aqueous process cleaner. It's fully compatible with our Castrol XBB cutting range, so used cleaning fluid can be recycled into the cutting fluid system – without compromising the performance of the machining process.

With Techniclean XBC, you use less water. You reduce waste. Let's take look at how Castrol Techniclean XBC, can help you move Forward to productivity without compromise.

Are you aware of our new maintenance cleaner Castrol Techniclean M XBB?

### Castrol Techniclean XBC cleaner

Recycling of the cleaner into the MWF central system without loss of performance



	PRODUCT FEATURES	TECHNICLEAN 45 XBC	TECHNICLEAN 80 XBC	TECHNICLEAN 90 XBC	TECHNICLEAN M XBB
TECHNICAL PERFORMANCE	MULTI-METAL	✗	✓	✓	✓
	CAST IRON CORROSION PROTECTION	✓ ✓	✓	✓	✓
	HIGH PRESSURE APPLICATION	Not recommended	✓	✓	✓
	LOW TEMPERATURE APPLICATION	✓	✓	✓	✓
	HARD WATER STABILITY	✓	✓	✓	✓
	RECYCLABLE IN XBB COOLANTS	✓	✓	✓	✓
FORMULATED WITHOUT	BORON	✓	✓	✓	✓
	FORMALDEHYDE RELEASING BIOCIDES	✓	✓	✓	✓
	MONOETHANOLAMINE (MEA)	✗	✗	✓	✓

## Less Water. Less Waste. More Productivity.

- Effectively removes light-duty metalworking fluids, lubricants, swarf, dirt and residues
- Low foaming over a wide temperature range
- Excellent demulsifying properties
- Proven to increase bath-change intervals by 300% and more\*
- Can be recycled into your system with Castrol Alusol and/or Hysol XBB cutting Fluids.

### Waste

Lower waste volume due to cleaners being reused.

### Water

Less water consumption thanks to using low-value spent cleaner instead of high-value clean water.

### Operating cost

Cost savings from processing less waste and using less clean water.

\*Based on selected case studies with global customers including tier one auto manufacturers.  
\*Carbon neutral in accordance with PAS 2060. See [www.castrol.com/cneutral](http://www.castrol.com/cneutral) for more information.

## Savings

### Auto Customer

- Recycling of 150,000 litres of cleaner
- Reduction of 150 m<sup>3</sup> top-up water

### Auto OEM, Spain

- 1 million litres of water saved
- 1 million litres waste water volume
- \$27,000 savings

### Auto OEM, Sweden

- 75,000 litres waste reduction
- 75,000 litres water saved
- \$6k a year in savings

\* In-house waste treatment cost: 27.39\$/m<sup>3</sup>

# Forward

## to using less

Find out more at  
[castrol.com/technicleanxbc](https://www.castrol.com/technicleanxbc)



### Trial XBC technology for yourself

Don't take our word for it: put our Techniclean XBC to the test in your own plant, and see the difference they make. To arrange a trial, contact Castrol today.

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