



Cutting fluids

Fluid management

Mist extraction





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We machine critical titanium components and it is essential that our cutting fluids are managed correctly. Since using a multi-sump Oracle system and Blaser cutting fluid, our tool life has increased and cycle times have reduced - both of which have helped us improve our profitability and efficiency.

**Colin Whitehouse**  
Managing Director, VSMPO Tirus

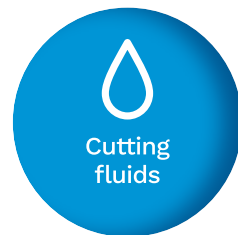


**Our Advanced Fluid Management solution improves efficiency and saves money.**

Well managed metal working fluids are a genuine investment that will release the full potential of your machine tools. Jemtech will work with you to achieve significant productivity gains by utilising the products of its key, long-standing partners: Blaser Swisslube, Hfiltration and our own in-house Fluid Management Solutions.

Whether it is metal working, fluid management or mist extraction, Jemtech has the solution to significantly improve your current situation, saving you time and money in the process.

Our fluid management products and systems will support you in environmental improvement and waste coolant disposal. As your partner for advanced fluid management, Jemtech will deliver increased productivity by managing your cutting fluid use, performance and analytics, leaving you free to concentrate on running your business more profitably.





Cutting fluids

Blaser Swissslube products in conjunction with Jemtech are aimed at increasing customers' productivity and therefore profitability, offering tangible solutions with structure and substance that will incorporate products, people, and services. This process will deliver quantifiable technical and commercial benefits for your business.

All of this is available on a no gain no win basis. We will gather application and process data, document as we go, present the proposed savings, enter into a controlled test, record and report the results. Should these not meet the agreed objectives there is nothing to pay.

# Cutting fluids

The Blaser Swissslube metal working fluids reduce costs, increase efficiency and provide quality where it counts

Blaser Swissslube manufactures and sells environmentally and operator-friendly metal working fluids for the precision engineering industry. Blaser manufactures fluids, approved for nuclear, medical and aerospace use, at four production plants located in Switzerland, USA, China and India, employing 500 personnel worldwide, within 15 subsidiaries.

Jemtech have been the exclusive UK partner for Blaser since 1996.



## World class support & training

### Water quality testing

To offer the best possible cutting fluid concentrate to make an optimal emulsion

### Machine preparation training

Training to clean your machine and refilling to maximize emulsion life and stability

### Industry approved

Blaser products have gained numerous approvals in aerospace, medical and nuclear

### On-site support

Our global network of specialists provides support in all aspects of our cutting fluids

### Expert technical advice

Process consulting, fluid management, logistics services, recycling and disposal



The best coolant I've ever used. My guys love it!

**Titan Gilroy**  
CEO of Titans of CNC



# Product range

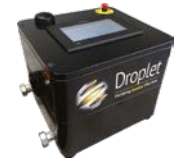
Environmentally and operator-friendly metal working fluid ranges for the precision engineering industry



Water miscible coolants range	Neat cutting oils	Grinding oils	Minimal quantity lubricants (MQL)
<p><b>Blasocut</b> Mineral oil based cutting fluid with our unique bio-concept</p>	<p><b>Blasomill</b> Mineral oil based cutting fluid</p>	<p><b>Blasogrind HC</b> Mineral based grinding oil</p>	<p><b>Vascomill MMS FA1</b> Fatty alcohol based MQL</p>
<p><b>Vasco</b> Vegetable ester based cutting fluid</p>	<p><b>Blasomill GT</b> High purity mineral oil</p>	<p><b>Blasogrind GTC</b> Peak performance grinding oil especially developed for the grinding of tungsten carbide, HSS and Cermet</p>	<p><b>Vascomill MMS FA2</b> mineral oil free and chlorine free product for minimal quantity lubrication</p>
<p><b>B-Cool</b> Mineral oil based cutting fluid</p>	<p><b>Vascomill</b> Ester based High performing neat oil</p>	<p><b>Blasogrind GTS</b> Especially developed for grinding of HSS, PM-HSS, hardened steel, high carbon steel and high alloyed steel</p>	
<p><b>Synergy</b> Oil free synthetic cutting fluids for cutting and grinding</p>			
<p><b>Grindex</b> Synthetic grinding fluid</p>			
<p>Our well-balanced product range offers excellent human and environmental compatibility, with optimal cooling, lubrication, machining and grinding performance.</p>	<p>Your needs are our inspiration for finding new solutions. Our development specialists take account of temperature and pressure conditions at the cutting edge to offer you an optimal solution for cost-effective machining.</p>	<p>Our grinding oils let you increase your feed rates. The best grinding oil ideally balances lubrication and self-sharpening effect. We make sure of this with the high quality of our base oils.</p>	<p>Our product portfolio contains state-of-the-art MQL products for all common applications such as sawing, milling, turning, drilling and deep-hole drilling for standard and high-performance machining.</p>

# Automated fluid management

Patented advanced fluid management systems from Jemtech



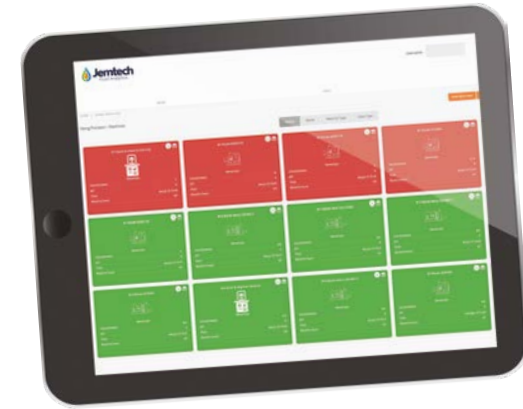
Jemtech Advanced Fluid Management provides tailored support and fluid management solutions to a wide range of manufacturers. These solutions range from fully automated Industry 4.0 technology on a single machine to a full factory solution and everything in between. Our main focus at all times is on improving the working environment of our customers ensuring they excel in their health and safety compliance requirements.

We pride ourselves in providing best in class service levels, helping our customers gain a competitive advantage by working together to reach the full potential of their machine shops, giving significant productivity gains.

	Oracle Advanced Fluid Management System	Oracle DS Advanced Fluid Management Dual Sump System	Oracle CS Advanced Fluid Management Central Sump System	Droplet Advanced Fluid Monitoring System
Concentration monitor	✓	✓	✓	✓
pH level monitor	✓	✓	✓	✓
Temperature monitor	✓	✓	✓	✓
Consumption level monitor	✓	✓	✓	✓
Conductivity monitor	✓	✓	✓	✓
Sump level monitor	✓	✓	✓	✓
Automatic top up	✓	✓	✓	
Concentration adjustment	✓	✓	✓	
Reduces manual maintenance costs	✓	✓	✓	✓
Single sump management	✓			✓
Central sump management			✓	✓
Multi sump management		✓		

# Software

Jemtech analytical fluid management solution



	<b>Software</b> Real-time condition monitoring software
Visual management tool for cutting fluid	✓
Guidance for the correct concentration for top ups	✓
Monitor consumption levels	✓
Log concentration, pH and dip slide results	✓
Real-time data handling	✓
Customisable tolerance levels	✓
Data capturing tool to aid with cutting fluid HSE compliance	✓
Remote access to the machine tool information 24/7	✓
Central hub to store all service documents relating to the machine	✓
Digital PDF or CSV reports for export	✓
Secure hosted software to meet data compliance regulations	✓
Designed by engineers for engineers	✓

## Jemtech Fluid Analytics software is the most advanced fluid management tool in the industry

Fluid Analytics provides users the ability to monitor concentration, pH, conductivity, temperature, consumption, and sump level. Users are also able to log dipslide results, mist extraction and machine service documents, with full traceability throughout the process.

Jemtech Fluid Analytics is an easy to navigate, web based, recording, tracking and reporting software. The software gives maintenance and production engineers immediate and remote access to the current conditions of the fluids in use. Fluid Analytics was developed by Jemtech in conjunction with existing customers to understand exactly what the industry wanted from a fluid management tool.



Since our investment, we can now trust in Oracle to seamlessly deliver the correct fluid control and data, day in, day out.

**Chris Dickinson**

Operations Director, Hi-Force



Mist extraction

Hfiltration design and build solutions for air filtration and purification in multiple industrial sectors. In addition to optimising the production process, we operate to protect the environment and health and safety in the workplace.

The technical department uses the latest design software that allows us to produce advanced air purification systems to our customers, which can be tailored to individual requirements.

We believe in innovation and continuous training, with the goal of providing a constantly updated and cutting-edge service.

As a recognised market leader in the field of extraction solutions, our experience gained over many years enables Jemtech to provide highly knowledgeable solutions tailored to your needs.

# Mist extraction

Helping to improve employee working health and the environment



	<b>CleanMist</b> Ideal for Turning centres, CNC, Grinding machines, Component wash systems	<b>Mist compact</b> Oil mist filter is designed for large machines and centralized systems	<b>MCOS coalescent filter</b> Separates oil and smoke particles from the air
Centrifugal filter	✓		
Static filter		✓	✓
Coalescent filter			✓
Single machines	✓	✓	✓
Full factory solution		✓	✓
Airflow	300 - 2300m <sup>3</sup> /h	1500 - 16000m <sup>3</sup> /h	2000 - 20000m <sup>3</sup> /h
Water miscible coolant	✓	✓	✓
Neat oil	✓		✓
Lease option	✓	✓	✓

# Service & support

Delivering complete service solutions and peace of mind

Get complete peace of mind with our service plans; maintaining your facility to the highest standards, reducing costly downtime, and ensuring quality and productivity remain at their maximum. Our fully-trained engineers can also be relied upon for emergency call outs if you need it.

## Machine valet service

We offer a full and comprehensive machine valet service. This service can range from one machine to a full factory change over.

## Coolant condition monitoring

As well as fully automated systems, Jemtech service engineers utilise the latest fluid management software to log the coolant condition. This can be tailored specific requirements to make sure they are fully comply with the latest HSE regulations. All of our fluid management customers have instant access to this data 24/7.

## LEV testing & air monitoring

LEV testing requirements are every 14 months in order to comply with the latest CoSHH regulations. As your trusted provider, we will ensure your LEV systems are tested and maintained to the highest standards. Following analysis and testing, we will provide a comprehensive report including recommendations by our qualified LEV specialists.

## Full electrical installation

Our qualified engineers will ensure all electrical elements are installed and checked to the highest standards.

## Mechanical installation

Our experienced engineers will ensure a stress-free installation and reduced downtime for your business.

## Training seminars

We offer training services covering one on one service all the way through to large seminars. The subject can be bespoke to our customer requirements, from general housekeeping to seminars from world renowned experts.

## National coverage of experienced engineers

Our engineers have extensive industry experience and knowledge covering our wide range of products and services.



I have no doubt that the support from Jemtech over the years has helped keep our machine up-time at world class levels.

**Mark Davies**

Plant Director – Grainger and Worrall Machining



## Service and spares supplied by our qualified engineers covering the whole of the UK

Jemtech is regarded as the number one fluid management provider in the industry; this includes servicing of extraction systems.

All of our qualified engineers take part in regular training, making sure that they are up to date with not only with the latest LEV technology but also the latest HSE regulations.

- All spares used are genuine manufacturer spares
- Service performed by our own in-house engineers
- Digital job reports – limiting the amount of paperwork, emailed directly once the work has been completed and signed off
- Service agreements tailored to customer requirements
- Full UK coverage



## Partners with world leading machine tool and cutting tool manufacturers.

In partnership we aim to deliver solutions to achieve increased productivity for our customers, giving them the edge over their competitors.

By working in parallel with our technical partners we are perfectly placed to ensure that your investment delivers the optimum performance from day one. We achieve this by working with the customer to determine the

perfect product selection for their application. Whether this be coolant, mist extraction or fluid management, we have to consider factors such as the material, machine configuration, water properties and the tooling being used.

All of these factors play a significant part in maintaining process stability, guaranteeing the component quality is of the highest possible standard.

**Stewart Coull**  
Managing Director

**Blaser.**  
SWISSLUBE

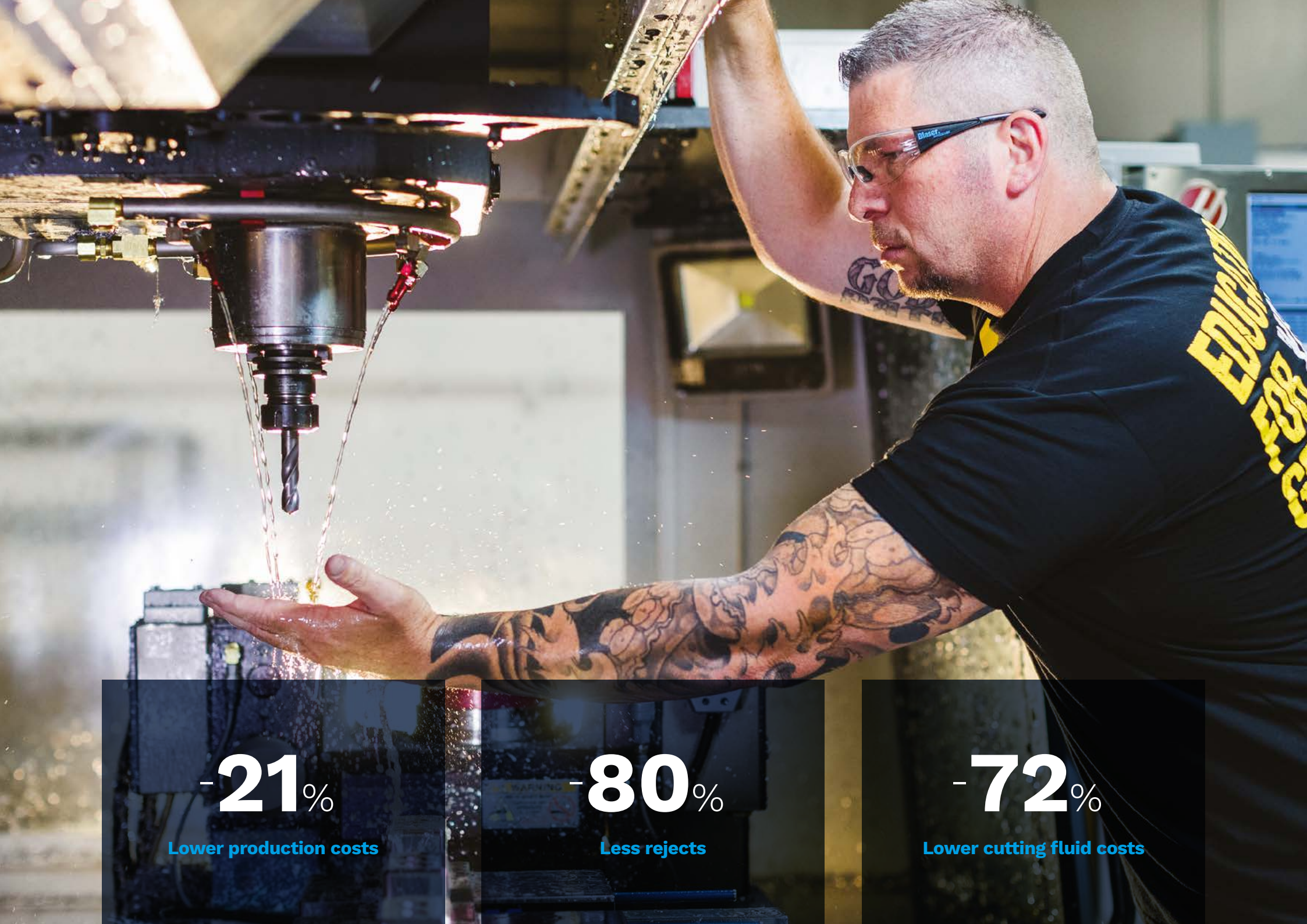


**Oracle**  
Thinking Inside the box



**H** FILTRATION  
SYSTEMS





**-21%**

Lower production costs

**-80%**

Less rejects

**-72%**

Lower cutting fluid costs



**Jemtech (UK) Ltd.**

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