



FLOWPLANT®

Engineering excellence in high-pressure
pump systems

CONCRETE BROCHURE

Proven bespoke cleaning solutions for concrete manufacturers to reduce downtime, improve efficiency and save time in your processes. Choose from a variety of unit designs or have our in house engineers develop a tailored solution for your operation. We offer free site visits to analyse your operation, and recommend the best solution to suit your practices and workspace.

WHY CHOOSE FLOWPLANT

For over 50 years Flowplant has delivered engineered high-pressure cleaning systems for industrial environments. We combine proven pump technology with bespoke engineering to solve complex cleaning challenges.

Designed and Manufactured in the UK:

- ✓ Commissioning
- ✓ Design engineering
- ✓ In-house manufacturing
- ✓ CAD modelling
- ✓ Factory acceptance testing

How we work to improve your operation:

- ✓ Engineered around your process
- ✓ Increase operator safety
- ✓ Improve maintenance efficiency
- ✓ Reduce downtime
- ✓ Improve cleaning consistency



GLOBAL
80+ countries



QUALITY
A proven track record



COMPETITIVE
Great value



EXPERIENCE
50 years and counting

EVERY CONCRETE FACILITY IS DIFFERENT - YOUR CLEANING SOLUTION SHOULD BE TOO.

Forget one-size-fits-all. Our bespoke engineering process transforms your challenges into a tailored cleaning solution designed specifically for your operation.



1. Site survey

We visit your site to assess equipment, access requirements and cleaning challenges firsthand.



2. Process review

We evaluate your current processes to identify inefficiencies, risks and opportunities for improvement.



3. Design Consultation

We work closely with your team to understand your objectives and define the best solution for your operation.



4. Bespoke Engineering

Our engineers design a tailored system that meets your exact operational and site requirements.



5. Factory Build

Your solution is manufactured and assembled in-house to ensure the highest standards of quality.



6. Testing

Every system is thoroughly tested to verify performance, reliability and compliance before delivery.



7. Installation

Our experienced team installs and commissions the system with minimal disruption to your operation.



8. Training & Support

We provide comprehensive training and ongoing support to help you maximise performance long after installation.

HOW WE HELPED ONE LEADING CONCRETE MANUFACTURER

This customer's existing tank cleaning process relied heavily on manual intervention, leading to inconsistent results, increased downtime, and potential safety risks for operators.

"The Flowplant system has transformed our tank cleaning process. We're now achieving rapid cleaning with excellent removal of tank residue, which has made a real difference to our efficiency. The whole project was handled professionally from start to finish, and the system has integrated seamlessly into our operation."



The Challenge

The challenge was to deliver a system capable of providing thorough, repeatable cleaning performance while seamlessly integrating into existing operations and reducing reliance on manual processes.

The customer required a system which delivered automation, performance, safety, integration and reliability. The need for automated, consistent, and safe cleaning within a live production environment made this a technically demanding project, requiring a robust and carefully engineered solution.



The Solution

Flowplant designed and delivered a bespoke automated tank cleaning system, combining proven engineering with tailored innovation to meet the customer's requirements:

- ✓ Automated cleaning system
- ✓ High efficiency pump system
- ✓ Factory tested and commissioned
- ✓ Integrated control panel
- ✓ Targeted cleaning delivery



The Results

Our unit was able to deliver reliable repeatable results across every cleaning cycle, minimising disruption through faster, more efficient cleaning. The reduction in manual intervention led to enhanced operator safety and increased operational efficiency **saving more than an hour per tank clean.**

The Technical Specifications

The unit was supplied with 4 cleaning heads for 2 tanks and additional wash down guns and a built in timer for efficient cleaning time cycle.

- ✓ **Unit:** Electrically Driven Skid
- ✓ **Flow and Pressure:** 275bar 110L/min
- ✓ **Tank:** 1000ltr with inlet water filtration

TYPICAL CONCRETE APPLICATIONS

From mixers and batching plants to conveyors, hoppers and silos, FlowPlant equipment is designed to tackle the toughest cleaning challenges across concrete production facilities.

- ✓ Remove stubborn build up
- ✓ Promote safer operations
- ✓ Improve plant performance
- ✓ Improve efficiency
- ✓ Reduce manual cleaning
- ✓ Save time



Concrete Mixers - *Remove product build-up and residue*

Remove hardened concrete and residue to maintain mixer performance, reduce downtime and support efficient production.



Mixing Tanks - *Automated internal cleaning*

Automated tank cleaning solutions that improve safety, reduce labour requirements and streamline cleaning operations.



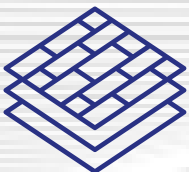
Production Equipment - *Routine and intensive cleaning*

Bespoke cleaning systems designed to support routine maintenance, intensive cleaning programmes and operational efficiency.



Hoppers and Chutes - *Remove product build-up and residue*

Eliminate material build-up and blockages to improve flow rates, increase productivity and reduce unplanned stoppages.



Floors & Production Areas - *Plant cleaning & Maintenance*

High-performance cleaning solutions that help create safer, cleaner and more productive manufacturing environments.



Conveyors & Handling Systems - *Operational cleaning*

Maintain critical handling equipment with effective cleaning solutions that improve reliability and minimise maintenance downtime.

CLEANING SOLUTIONS FOR THE CONCRETE INDUSTRY

From routine maintenance and plant washdown to hardened concrete removal and fully automated cleaning systems we engineer a better way to clean.



Jet Buggy - *Portable cleaning solution for plant-wide applications.*

Combining high-pressure cleaning performance with site mobility, the Jet Buggy allows operators to tackle cleaning tasks quickly and efficiently across large production facilities. Ideal for environments where flexibility, accessibility and fast deployment are essential.

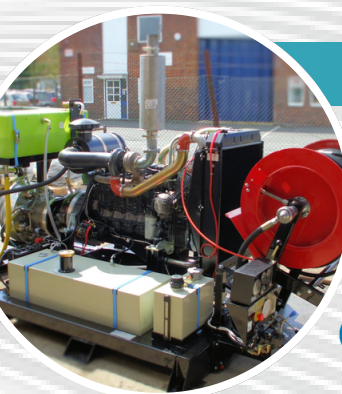
Best For:

- Large concrete plants
- Outdoor production areas
- Site-wide cleaning programmes
- Mobile maintenance teams
- Multi-location cleaning tasks

✓ Up to 15,000 psi (≈1,034 bar)

✓ Harben Pump

✓ Compact, portable design.



1400 Bar Unit - *Heavy-duty cleaning for demanding applications.*

Designed for the most demanding cleaning applications, this system removes hardened concrete build-up and stubborn deposits quickly and effectively. Reducing cleaning times and improving maintenance efficiency.

Best For:

- Concrete mixers
- Hardened concrete removal
- Production equipment cleaning

✓ Up to 1,400 bar (20,000 psi)

✓ Triplex Plunger Pump

✓ Skid & Crash frames



Tank Cleaning Systems - *Automated and repeatable cleaning processes.*

Automated cleaning systems designed to deliver consistent internal cleaning performance while reducing manual intervention, improving operator safety and increasing operational efficiency.

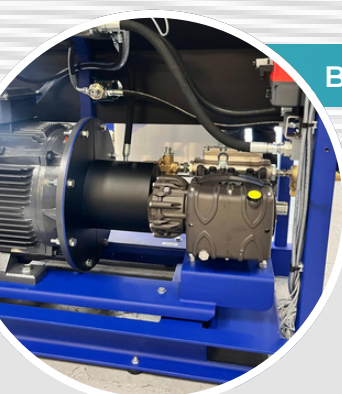
Best For:

- Reducing confined space cleaning requirements
- Improving cleaning consistency
- Enhancing operator safety

✓ Up to 1,000 bar, depending on the application.

✓ All options available

✓ Engineered to suit specific processes



Bespoke Engineered Systems - *Designed specifically to customer requirements.*

Tailor-made cleaning systems developed around your specific operational challenges, helping to reduce downtime, improve safety and deliver measurable improvements in plant performance.

Best For:

- Site-specific cleaning challenges
- Process improvement and automation projects
- Applications where standard equipment falls short

✓ From 10 bar to 3,000 bar to suit your requirements

✓ All options available

✓ Fully custom-designed & manufactured systems

PERFORMANCE CAPABILITIES

Available in a wide range of pressures, flow rates, drive configurations and installation formats, every system is specified to match the application and achieve reliable, repeatable results.



Available Pressure Range

Flowplant engineered solutions can be configured from **100 to 3000 bar**, providing the flexibility to tackle everything from routine plant washdown and preventative maintenance through to the removal of hardened concrete deposits and heavy industrial cleaning applications.

Drive Options

- **Electric** – Efficient, low-maintenance operation for fixed installations and indoor environments.
- **Diesel** – Independent, high-performance power for demanding applications and remote operating locations.
- **Hydraulic** – Ideal where existing hydraulic power sources are available or specific installation requirements apply.

All systems are specified to suit the operational requirements of the application and site environment.

Installation Options

- **Skid Mounted** – Self-contained systems designed for easy transportation and flexible deployment.
- **Static Systems** – Permanently installed solutions for regular cleaning and maintenance programmes.
- **Mobile Platforms** – Portable units that provide cleaning capability across multiple areas of the plant.
- **Integrated Plant Installations** – Custom-engineered systems seamlessly incorporated into existing production processes.

Every installation is designed around the customer's operational challenges, available space and cleaning objectives.

Available Flow Rates

Flow rates are tailored to individual application requirements, ensuring the optimum balance of cleaning performance, water usage and operational efficiency for each installation.

Compliance Options

- **ATEX** – Solutions available for use in hazardous and potentially explosive environments.
- **Emissions Compliant** - Our units offer Stage 5 emission compliant diesel engines, and IE3 Premium Efficiency and IE4 Super Premium Efficiency electric motors. All equipment is UKCA marked.
- **Site-Specific Requirements** – Systems can be designed and documented to meet customer, industry or project-specific standards.

TRAINING, SUPPORT & AFTERCARE

From initial installation and commissioning through to operator training, routine servicing and ongoing technical support, our team works alongside you every step of the way.



Installation Support

Our engineers come to your site to install your equipment, ensuring it is correctly configured, fully operational and operating safely within your working environment.



Commissioning

Every system is thoroughly checked, tested and commissioned on-site to verify performance, functionality and compliance. Detailed commissioning reports provide complete confidence that your equipment is ready for operation.



Maintenance Advice

Our engineers provide practical maintenance guidance and operational recommendations to help maximise equipment life, reduce downtime and maintain peak performance.



Operator Training

We provide comprehensive operator training and guidance to ensure personnel can use equipment safely, efficiently and in accordance with industry best practice.



Technical Support

Should you require assistance, our technical support team is available to help diagnose issues, answer operational questions and provide expert advice whenever needed.



WJA Accredited Training

As a recognised Water Jetting Association (WJA) training provider, Flowplant delivers industry-approved training courses. Training can be delivered at our dedicated training centres or on-site at your facility to minimise disruption to your operations.

FREE ONSITE ASSESSMENT

Let's identify opportunities on your site

Our specialists will:

- ✓ Review your existing cleaning process
- ✓ Identify downtime bottlenecks
- ✓ Assess safety risks
- ✓ Recommend improvements



Scan the QR code to Book
Your Free Onsite
Assessment.

Flowplant Group Ltd
Gemini House, Brunel
Road, Churchfields
Ind. Est., Salisbury,
Wiltshire,
SP2 7PU

GET IN TOUCH



+44 1722 325424



sales@flowplant.com



www.flowplant.com