



# YOUR RELIABLE PARTNER FOR PLANT & EQUIPMENT

Bulldog Plant & Equipment Ltd

info@bulldogplant.co.uk  
01371 873282  
Bulldog Plant & Equipment Ltd  
Bulldog Plant & Equipment Ltd  
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[www.bulldogplant.com](http://www.bulldogplant.com)



# WHY BULLDOG?

## Who are we?

Bulldog Plant & Equipment Ltd is a UK-based company specialising in bespoke turnkey solutions for the concrete, asphalt, and aggregate processing sectors. With over 300 projects completed across the UK and Europe, we offer end-to-end services including design, manufacture, installation, maintenance, and project planning. Our in-house capabilities cover civil engineering and steel fabrication, ensuring our customers receive complete support from a single, reliable partner. Our team brings over 200 years of combined industry experience, delivering safe, sustainable, and innovative solutions tailored to each project's needs.

## Our Company Values

- Trust – we are a team you can trust, and we trust in each other.
- Reliability – we do what we say we're going to do, time after time.
- Delivery – we have the dedication and expertise to get the job done.
- Care – we care about doing things right and we look after people.



### TURN-KEY SOLUTIONS

We deliver complete turnkey solutions for plant & equipment installations, including civils and project management in Concrete, Asphalt, and Aggregate Processing industries.



### COMPLETE IN-HOUSE SERVICES

Our company is the only business in the UK which provides full-scope of services, from concept to completion, a one-stop-shop for our customers.



### PROJECT MANAGEMENT

No need to manage multiple companies as we take away all the hassle. We will organise people and resources in the best possible way to deliver desired results.



### MANUFACTURING & FABRICATION

We have our own factories, workshop, and fabrication facilities, accredited, and certified to ISO9001 and EN1090.



### UNRIVALLED EXPERIENCE

Our team of industry professionals with over 200 years of combined industry experience provides unique and unrivalled expertise to deliver complete solutions in accordance with customer's expectation.



### CAN-DO APPROACH

We approach every project with a can-do attitude. We turn up. We get the job done, safely and responsibly.



### STRONG REFERENCES

We have worked hand-in-glove for many years to supply and install many of the UK's largest and most advanced materials production facilities for a number of the most important infrastructure projects.



### ISO 9001 UKAS CERTIFICATION

We are committed to delivering high-quality products and services. Our ISO 9001 UKAS certification reflects our dedication to maintaining a quality management system that meets international standards.





## WHAT SETS BULLDOG PLANTS APART?



### COMPACT FOOTPRINT

Modular and Free-Standing Bulldog plants are designed to fit into tight or constrained spaces with minimum foundations and without sacrificing productivity. Our custom solutions optimise every inch available, ensuring maximum efficiency in small areas.



### CUSTOMISED FOR EVERY NEED

Our product range meets diverse requirements, from compact and cost-effective setups to fully-equipped premium solutions. Plants can be mobile, stationary, or modular, tailored precisely to the customer's needs.



### INDUSTRY EXPERTISE

With a highly experienced team in operation, installation and manufacturing, Bulldog understands the unique challenges our customers face in concrete, asphalt, and aggregate processing industries. Every part of every plant is designed with installation and maintenance in mind.



### SUSTAINABLE SOLUTIONS

Our plants excel in the use of recycled materials, from reclaimed aggregates to sustainable construction components, significantly reducing environmental impact and promoting circular economy practices.



### FAST INSTALLATION & REDUCED COSTS

Bulldog plants are designed for easy transport and quick installation, minimising downtime and reducing setup costs. Efficient assembly options eliminate the need for heavy cranes or extensive foundation work, saving valuable time and resources.





## ASPHALT PLANTS AND EQUIPMENT

The Bulldog high quality range of asphalt mixing equipment has been developed to meet the exacting requirements of the UK and European markets. Our technologies include innovative solutions for all types of asphalt production, recycling and road maintenance applications.



### ASPHALT MIXING PLANTS

We offer an extensive range of turn-key asphalt plants built for maximum capacity, flexibility, efficiency, and reliability in manufacturing all types of hot mixed asphalt types, while keeping investment costs within the budget.



### ASPHALT EQUIPMENT

Our range of asphalt mixing equipment has been developed to meet the requirements of the UK and European markets. Our technologies include innovative solutions for asphalt production, recycling and road maintenance applications.



### VOLUMETRIC PLANTS

Bulldog offer a comprehensive range of Automated Fully Mobile Volumetric Plants that provide innovative solutions for on-site Concrete and Asphalt production. A240 and E-Series Plants can be easily transported and are fully autonomous units.



### ASPHALT ADDITIVES

Our range of asphalt additive products are the result of various collaborations with a number of the world's leading road and construction material innovators, to provide a portfolio of innovative solutions for the road building and construction industries.



# MODULAR FREE - STANDING ASPHALT PLANTS

## HIGHLIGHTS

MODULAR DESIGN – PRE-ASSEMBLED AND WIRED: Our innovative modular design, ensures fast installation and minimises below-ground foundation requirements, ensuring the overall investment remains affordable within your budget.



### DESIGNED IN THE UK

The Bulldog range of high-quality asphalt mixing equipment is designed specifically to meet the exacting demands of the UK and European markets. Our advanced technologies deliver innovative solutions for asphalt production, recycling, and road maintenance applications, ensuring exceptional performance and sustainability.



### WIDE RANGE OF ASPHALT EQUIPMENT

We offer an extensive range of turn-key asphalt plants built for maximum capacity, flexibility, efficiency, and reliability in manufacturing all types of hot mixed asphalt types, while keeping the investment costs within the budget.



VAST EXPERIENCE: Bulldog brings together an unrivalled capability and expertise in designing, installing, and maintaining asphalt plants and a wide range of asphalt plant equipment and elements. Our team of professionals have been in the asphalt production industry for many years and have built an enviable reputation for their collaborative, can-do approach.

MODEL	BULLDOG 100	BULLDOG 120	BULLDOG 140	BULLDOG 180	BULLDOG 220	BULLDOG 260
Capacity @ 3%, t/h, continuous	100	120	140	180	220	260
Capacity @ 5%, t/h, continuous	80	96	112	144	176	208
Capacity @ 7%, t/h, continuous	65	80	91	117	143	169
NUMBE OF COLD BINS	As required					
COLD BIN CAPACITY	From 7.5 m³ to 15 m³					
DRYER	D160	D175	D200	D225	D225	D250
BURNET OUTPUT, MW	7	7.5	10	12.5	15.5	19
FUELS	Light oil, Heavy oil, LPG, Natural gas					
FILTRE	F180	F216	F270	F360	F432	F528
VIBRATING SCREEN	S1640		S1537		S1945	
HOT AGGREGATES	4 + By-pass		5 + By-pass		6 + By-pass	
HOT BIN CAPACITY, t						
AGGREGATE WEIGH HOP- PER, kg						
FILLER WEIGH HOPPER, kg						
BITUMEN WEIGH HOP- PER, kg						
MIXER CAPACITY, kg	1250	1750	1750	2250	2750	3250
BITUMEN TANKS	Vertical or horizontal configuration. Between 60 m³ and 100 m³					
FILLER SILOS	Vertical silos as per customer's specification					
HOT STORAGE	Skip fed lateral silo, up to 4 bins, up to 240 t in total					
RAP SYSTEM	Up to 50%					





## CONCRETE BATCHING PLANTS

For over 25 years, we have been building concrete plants to the highest standards. We offer a full range of equipment which saves you time and effort in setting up and maintaining concrete production facilities.

Static, mobile, and compact concrete plants, ReadyJet hardened concrete removal systems, aggregate heating solutions, concrete recycling, and fibre dosing systems are among the services we provide.



### BULLDOG SUPERMIX 2.66

BULLDOG SUPERMIX 2.66 Mobile Concrete Batching Plant has been designed for quick and easy transportation and onsite installation, on limited foundations and includes many high-quality features as standard. It can be configured with a variety of options, to meet individual requirements.



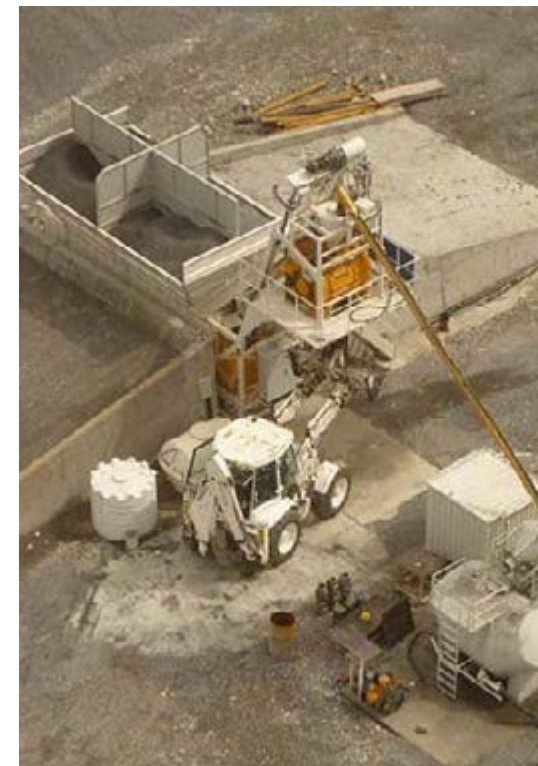
### STATIC CONCRETE PLANTS

When productivity and performance are critical, we have a solution for you. With production outputs ranging from 30m<sup>3</sup> to 300m<sup>3</sup> per hour our static concrete batching plants are built for maximum capacity, flexibility, efficiency, and reliability in manufacturing all types of concretes.



### MOBILE CONCRETE PLANTS

Our quick-erect, easy to transport mobile concrete batching plants have earned international reputation for their dependability and high quality. They are quickly becoming the first choice for many professional concrete producers with temporary sites across the world.



### COMPACT CONCRETE PLANTS

When time and space is at a premium our range of compact concrete batching plants will meet all your expectations. Compact plants are designed for quick and easy erection and simple transportation, without compromising the operational characteristics.



### VOLUMETRIC PLANTS

Bulldog offer a comprehensive range of Automated Fully Mobile Volumetric Plants that provide innovative solutions for on-site Concrete and Asphalt production. A240 and E-Series Plants can be easily transported and are fully autonomous units.



# BULLDOG SUPERMIX 2.66



## HIGHLIGHTS

The new BULLDOG SUPERMIX 2.66 Mobile Concrete Batching Plant has been designed for quick and easy transportation and onsite installation, on limited foundations and includes many high-quality features as standard. It can be configured with a variety of options, to meet individual requirements.

The Fully galvanised design will withstand the harshest of environments and the integrated steel foundations, ensure the plant can be installed quickly and easily, on limited foundations. The New SUPERMIX 2.66 is pre-wired for quick and easy on-site installation and incorporates many high-quality features, as standard.

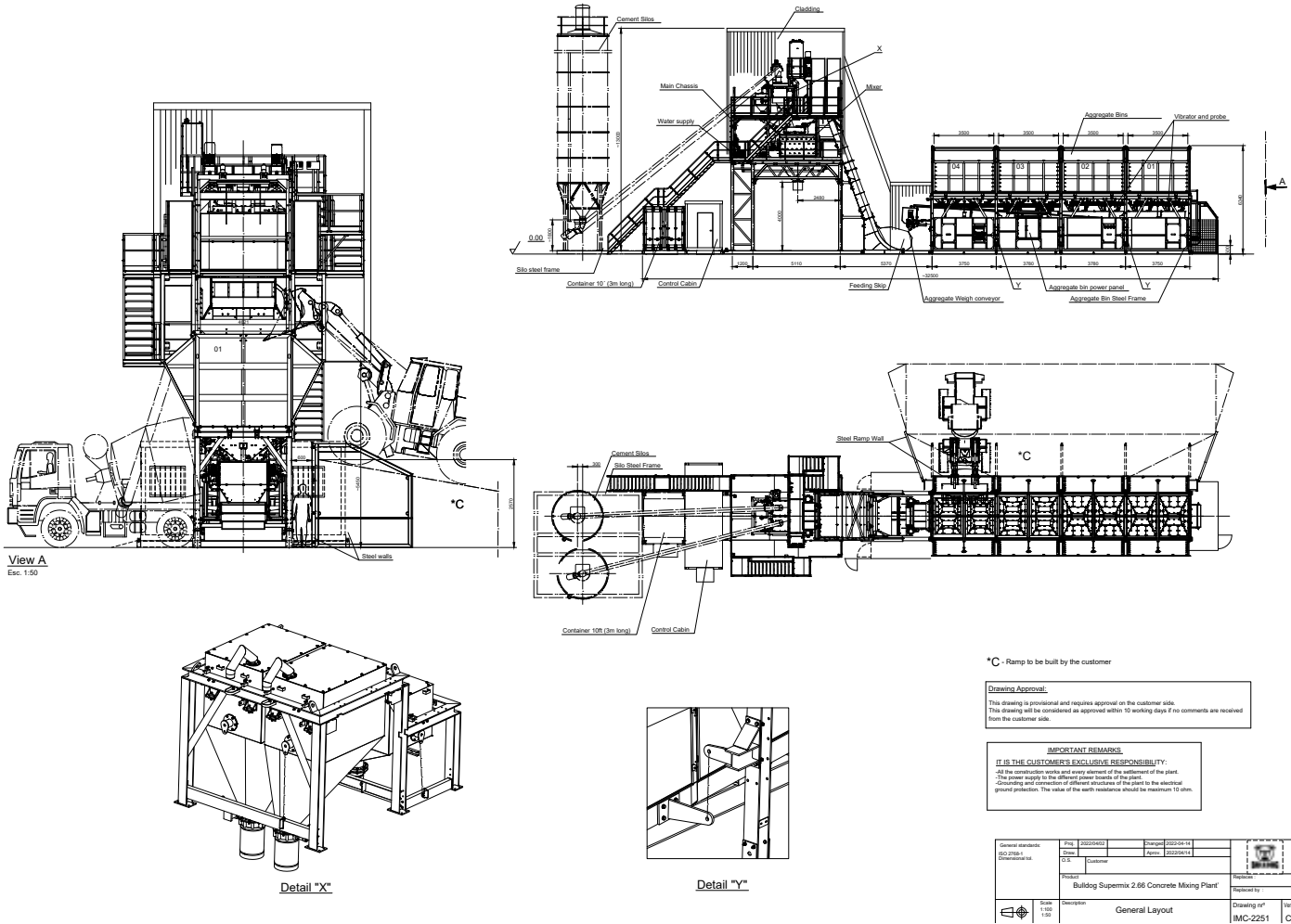
Detailed consideration has also been given to both operation and maintenance, with staircase access and large working platforms on every level, to ensure the plant can be maintained safely and efficiently at all times.



## 8 CU.M X 3 BATCHES

- Fully Galvanised (for operating in Harsh environments)
- Integrated Steel Foundations (Minimises below ground Foundations)
- Pre- Wired for Quick & Easy Installation
- Large access and maintenance platforms
- Large Staircase access to all levels
- BULLDOG 2.66m³ Twin shaft Mixer (8m³ x 3 batches)
- Extra Large Mixer access doors
- High Pressure, Rotary Head, Mixer Wash System
- Mixer Reverse Jet Filter
- Twin Cement Weigh Hoppers
- Twin additive weigh Hoppers
- Drop Down Mixer Discharge Chute (For Easy Maintenance)

- Tempered Water Addition
- Twin rope, Tilting Skip System (Inverter Controlled)
- Galvanised Aggregate Storage Bins (Multiple Options)
- Hydronix Moisture Measurement
- Galvanised Steel Ramp Retaining wall
- Large Integrated Control Room
- OPTIONAL – Cladding – Mixer Tower & Skip Track
- OPTIONAL – Mobile, Horizontal and Static Cement Silos
- OPTIONAL – BULLDOG Total Command Control System
- OPTIONAL – Fibre Dosing Systems
- OPTIONAL – Heated Aggregate Systems
- OPTIONAL – Hot Water Systems
- OPTIONAL – Fresh & Recycled Water Tanks



At the heart of the NEW SUPERMIX 2.66 is the BULLDOG 2.66m³ twin shaft mixer, which has been designed specifically for the UK market, as the 2.66m³ mixer can quickly load an 8m³ truck mixer in just 3 batches, providing improved efficiency and lower operational costs.

As a result of the UK's Road transport regulations, most truck mixers can carry up to 8 m³ of ready-mix concrete. This is the main reason the 2.0 m³ batch concrete plants are installed in the UK every year, as they can be loaded in 4 equal batches.

The 2 m³ mixer has previously been the perfect balance to maximise the overall plant capacity, truck mixer capacity and wear and tear on the concrete plant components.

MODEL	BULLDOG SUPERMIX 2.66
Capacity	Up to 120 m³/h. Rated @ 100 m³/h in the truck.
Aggregate Bins	4x30 m³ or 5x30 m³
Concrete Mixer	Arcen twin shaft, 2.66 cu.m batch, 2 x 45 kW
Mixer Feeding	Skip
Cement Weigh Hopper	2 x 1500 kg
Water Weigh Hopper	750 kg
Admixture Scales	2 x 30 litres
Admixture Pumps	4 x 0.9 kW
Compressor	Atlas Copco, 97 m³/hr, With desiccant type dryer
Cement Silos	As per customer's requirement
Control System	As per customer's requirement



# STATIC CONCRETE PLANTS

## HIGHLIGHTS

25 YEARS BUILDING CONCRETE PLANTS TO THE HIGHEST STANDARDS

Every Bulldog project reflects our attitude towards engineering with optimal space utilisation, and safe operation of equipment, at the heart of our operation. We are currently, and have been, involved in some of the most important projects for infrastructure in the UK. The art of building reliable plants takes years to master and a great amount of valuable customer feedback allows us to develop our operations to meet the requirements of new clients.



### WHEN PRODUCTIVITY AND PERFORMANCE ARE ESSENTIAL

Whatever your needs are, we will find a solution for you to meet them. We offer complete turn-key static concrete plants built with optimum capacity, flexibility, efficiency, and dependability in mind. With production outputs ranging from 30m<sup>3</sup> to 300m<sup>3</sup> per hour, they are capable of producing all types of high-quality concretes at a low cost.

### PLANTS TAILOR-MADE TO YOUR REQUIREMENTS

With over 25 years of experience in design and installation of concrete plants, the Bulldog team can provide you with one-of-a-kind solutions, tailored to your specific needs and site conditions. We are a company with extensive engineering and problem-solving experience; no job is too big or too small for us! And we are with you all the way, from concept to completion.



## WHY CHOOSE OUR STATIC CONCRETE PLANTS?

- A plant for life: Durable equipment offering a long service life
- Great return on investment: We offer concrete plants that are cost-effective, and affordable, giving you greater (and faster) returns on your investment.
- Continuous support and spare parts: Bulldog keep essential spare parts in stock and our engineers are available to assist you, if required. We can also offer a rapid delivery service for most non-stock items to keep you in operation.
- A separate chassis dedicated to weighing hoppers: Unlike many manufacturers, weighing hoppers on our static concrete plants are installed on a separate chassis to minimise vibrations from the mixer.

MODEL	K 60	K 110	K 140	160W	200W
Compacted Concrete Output (m <sup>3</sup> /h)	60	105–117	130–147	160	200
Mixer Capacity (m <sup>3</sup> /cycle)	1	2.25	3.33	4	5
Mixer Type	Single Shaft / Twin Shaft	Twin Shaft	Twin Shaft	Twin Shaft	Twin Shaft
Mixer Motor Power	37 kW / 2x18.5 kW	2x37 kW	2x55 kW	2x75 kW	2x90 kW
Aggregate Bins	4x10 m <sup>3</sup> / 4x25 m <sup>3</sup>	4x25 m <sup>3</sup> / 4x35 m <sup>3</sup>	4x25 m <sup>3</sup> / 4x35 m <sup>3</sup>	4x25 m <sup>3</sup> / 4x35 m <sup>3</sup>	5x25 m <sup>3</sup> / 5x35 m <sup>3</sup>
Aggregate Feeding	Ramp or Pre-Feeding System	Ramp or Pre-Feeding System	Ramp or Pre-Feeding System	Ramp or Pre-Feeding System	Ramp or Pre-Feeding System
Aggregate Transfer	Belt Conveyor	Belt Conveyor	Belt Conveyor	Belt Conveyor	Belt Conveyor
Air Compressor	Piston or Screw Type (5.5 kW)	Piston or Screw Type (7.5 kW)	Piston or Screw Type (7.5 kW)	Piston or Screw Type (7.5 kW)	Screw Type (11 kW)
Cement Weighing Hopper (kg)	700	1250	1750	2250	2250
Water Weighing Hopper (kg)	200	700	1000	1200	1200
Additive Weighing Hopper (kg)	20	20	40	60	60
Cement Screw Conveyor	Ø 219 x 13.500 mm	Ø 273 x 11.500 mm	Ø 273 x 11.500 mm	Ø 323 x 12.000 mm	Ø 323 x 12.000 mm



# MOBILE CONCRETE PLANTS



## HIGHLIGHTS

### QUICK ERECT, MOBILE CONCRETE BATCHING PLANTS

Our line of mobile concrete batching plants has earned a reputation for their dependability and high quality. For many professional concrete producers, mobile solutions are quickly becoming the preferred option.

Mobile concrete batching plants are a perfect match for temporary construction sites as they allow you to set up and make concrete practically anywhere in a matter of days.



### UP TO 120M<sup>3</sup>/H OUTPUT CAPACITY

Mobile concrete plants offer the same equipment as the static variants. The only difference is that all the components are mounted on a specially built wheeled chassis, designed for easy transport and quick assembly.

Static concrete plants are not easy to relocate as the steel structures are designed for other benefits, but mobile concrete plants offer a practical solution allowing to set up concrete production with capacity up to 120 m<sup>3</sup>/h practically anywhere.

### WHAT ARE THE BENEFITS OVER STATIC PLANTS?

- Mobility: the option to relocate your mobile concrete plant operation quickly and efficiently on sites unsuitable for static plants.
- Ease of installation – rapid relocation and installation of the mobile concrete plants.
- Modular construction: the main components on the mobile concrete plants are installed on a wheeled chassis for road transport. The plant is designed to be installed in modules to reduce crane operations and installation time.
- Reduced plant footprint: the footprint of a mobile concrete plant is smaller and reduced foundation work significantly reduces groundwork costs.



## WHAT ARE THE ADVANTAGES?

- Easy to transport – most of the components come preinstalled on the main chassis.
- Easy to relocate – Depending on the equipment a dismantle/transport/install within 7-14 days is achievable.
- Reduced costs – the modular construction reduces the amount of crane work and associated labour costs.
- Smaller footprint – allows to a set up production on the most challenging sites.
- Less foundation work required – a flat slab capable of carrying the weight is normally sufficient for the installation.
- Less special permissions required – In some cases, it is much easier to obtain installation permission.

MODEL	M60	M100	M120
Compacted Concrete Output (m <sup>3</sup> /h)	60	100	120
Mixer Capacity (m <sup>3</sup> /cycle)	1	2.25	3.33
Mixer Type	Single Shaft / Twin Shaft / Planetary	Twin Shaft	Twin Shaft
Mixer Motor Power	37 kW / 2x18.5 kW / 45 kW	2x37 kW	2x55 kW
Aggregate Bins	4x 10 m <sup>3</sup>	4x 15 m <sup>3</sup>	4x 25 m <sup>3</sup>
Aggregate Feeding	Ramp or Pre-Feeding System	Ramp or Pre-Feeding System	Ramp or Pre-Feeding System
Aggregate Transfer	Belt Conveyor	Belt Conveyor	Belt Conveyor
Air Compressor	Piston or Screw Type (5.5 kW)	Piston or Screw Type (7.5 kW)	Piston or Screw Type (7.5 kW)
Cement Weighing Hopper (kg)	500	1000	1750
Water Weighing Hopper (kg)	200	700	1000
Additive Weighing Hopper (kg)	20	20	40
Cement Screw Conveyor	Ø 219 x 11.500 mm	Ø 273 x 15.000 mm	Ø 273 x 15.000 mm



# COMPACT CONCRETE PLANTS

## HIGHLIGHTS

### COMPACT AND MINI CONCRETE BATCHING PLANTS

Our line of compact and mini concrete batching plants has been designed for easy transport and fast installation. Due to their modular design compact plants fit in 40' containers and require less space on site.

They can be a perfect choice for temporary sites where space is at a premium. Contact us and we will help you choose the right equipment for your needs.



### OUTPUT CAPACITY of UPTO 120M<sup>3</sup>/H

Compact concrete plants are very similar to static installations, yet their modular structures come with certain benefits, like easy transport and quick assembly. Compact plants require less space and are easier to relocate, but still can reach high production capacities up to 120 m<sup>3</sup>/h for readymix applications.

### WHAT ARE THE BENEFITS OVER STATIC PLANTS?

- Easy to transport – Compact plants require less oversized trucks/containers for transport and thus can reduce the transport costs.
- Ease of installation – Compact concrete plants are easier to install and relocate when required.
- Modular structures – the main elements of compact concrete plants are preinstalled and tested at the factory which reduces crane operations and installation time.
- Reduced plant footprint – the footprint of a compact concrete plant is smaller compared to static concrete plants which reduces the overall groundwork costs.



## ADVANTAGES OF THE COMPACT CONCRETE PLANTS

- Easy to transport – most of the components of a compact concrete plant come preinstalled on modules.
- Reduced costs – the modular structures reduce the amount of crane work and associated labour cost.
- Smaller footprint – allows to a set up production on the most challenging sites.
- Less foundation work required – a flat slab capable of carrying the weight is normally sufficient for the installation of a compact concrete plant.

MODEL	C 30	C 60	C 100	C 120
Compacted Concrete Output (m <sup>3</sup> /h)	30	60	100	120
Mixer Capacity (m <sup>3</sup> /cycle)	0.5	1	2.25	3.33
Mixer Type	Single Shaft / Twin Shaft / Planetary	Single Shaft / Twin Shaft	Twin Shaft	Twin Shaft
Mixer Motor Power	18.5 kW	37 kW / 2x 18.5 kW	2x 37 kW	2x 55 kW
Aggregate Bins	4x 7 m <sup>3</sup>	4x 10 m <sup>3</sup> / 4x 25 m <sup>3</sup>	4x 25 m <sup>3</sup> / 4x 35 m <sup>3</sup>	4x 25 m <sup>3</sup> / 4x 35 m <sup>3</sup>
Aggregate Feeding	Ramp or Pre-Feeding System	Ramp or Pre-Feeding System	Ramp or Pre-Feeding System	Ramp or Pre-Feeding System
Aggregate Transfer	Skip	Skip	Belt Conveyor	Belt Conveyor
Air Compressor	Piston or Screw Type (5.5 kW)	Piston or Screw Type (5.5 kW)	Piston or Screw Type (7.5 kW)	Piston or Screw Type (7.5 kW)
Cement Weighing Hopper (kg)	300	700	1250	1750
Water Weighing Hopper (kg)	160	200	700	1000
Additive Weighing Hopper (kg)	20	20	20	40
Cement Screw Conveyor	Ø 193 x 11.500 mm	Ø 219 x 13.500 mm	Ø 273 x 15.000 mm	Ø 273 x 15.000 mm





## CONCRETE EQUIPMENT

For over 25 years, we have been building concrete plants to the highest standards. We offer a full range of equipment which save you time and effort in setting up and maintaining the concrete production facilities.

Static, mobile, and compact concrete plants, ReadyJet hardened concrete removal systems, aggregate heating solutions, concrete recycling, and fibre dosing systems are among the services we provide.



### CONCRETE PLANT COOLING

Temperature-controlled concrete is required for large construction projects. As the cement dries and hardens, the evolution of strength in concrete is followed by the evolution of heat. Our large-scale cooling solutions ensure your concrete temperature is correct even year-round.



### CONCRETE RECYCLING SYSTEMS

Turn your concrete liabilities into assets with our range of concrete recycling equipment. Our team of engineers with many years of proven experience in the concrete production and concrete recycling industries will help you choose a turnkey, tailored solution to meet your individual requirements.



### MIXER WASHOUT SYSTEM

This unique standalone high-pressure mixer washout system is capable of cleaning concrete mixers after the production cycles safely, quickly and cost effectively. The system is supplied as a single plug-and-play package and is designed for simple retrofitting to any make of concrete plants available on the market.



### AGGREGATE AND WATER HEATING

Winter construction must be supplied with warm concrete and concrete plants must be working safely. Whether the heat of aggregates or the minimum heat of rooms, our air heaters offer you the opportunity to meet your requirements. In addition, our hot water boilers can supply heated water for mixing to improve concrete quality.



### CONCRETE MIXERS

The need for reliable, high-quality mixing equipment is essential for achieving the desired homogeneity and workability of modern concrete mixtures in the shortest time possible. We offer an extensive range of high-performance concrete mixers, manufactured by MEKA and Fejmert from Sweden.



### AGGREGATE MOISTURE PROBES

Variable moisture levels of sand, and aggregates, are the major cause of inconsistencies between concrete batches. Aggregate moisture probes provide immediate feedback on moisture levels of the material inside the bins and on conveyors. Accurate moisture detail is crucial for the readjustment of quantities, in the recipe, during production.



### MIXER MOISTURE PROBES

Concrete mixer moisture probes provide immediate feedback to the operator and allow for precise control over the water/cement ratio. Mixer moisture sensors can be installed in the floor of any type of concrete mixer. Mixer moisture probes are the best solution for precast manufacturers where target moisture for every batch is critical.



### FIBRE DOSING SYSTEMS

Our range of fibre dosing systems will help you precisely weigh and introduce steel or polypropylene fibres into the mixing process to get strong concrete for lower costs. To ensure complete control over mixing quality and homogeneity, the weighing process can be integrated into the concrete plant's automation system.



# VOLUMETRIC PLANTS

## HIGHLIGHTS

REVOLUTIONARY WAY OF MAKING CONCRETE AND ASPHALT

Bulldog offer a comprehensive range of Automated Fully Mobile Volumetric Plants that deliver innovative solutions for on-site Concrete and Asphalt production.



A240 is a high-capacity truly mobile and fully autonomous plant that can do a wide range of mixes and doesn't require cranes for installation. It can easily be transported on a flat bed trailer without any special permissions. It is a unique solution with a Twin Shaft mixer that revolutionises the volumetric plant capabilities. In addition, negative weighing principle for cement and aggregates provides highest accuracy.

E-Series mixing and blending plants offer great flexibility for on-site applications. These plants allow to mix exact amounts of concrete or asphalt. The main body of the plant can be mounted on a truck chassis or a trailer for mobility or on steel legs for longer on-site applications. These mobile, simple and versatile plants can be managed by one operator.



## E-SERIES – MOBILE, SIMPLE AND VERSATILE

E-Series blending plants are multifunctional and allow for production of concrete, cementitious mixtures, sand, mortar, cold asphalt and concrete from recycled materials.

E-Series plants have been designed for on-site applications. The plant can be transported with up to 3 different types of aggregates on its chassis. The automation is controlled by an intuitive on-board computer. The weighing of the cement, aggregates, the dosage of additives and water guarantee the quality of the product.

MODEL	BLEND A240
Application	Concrete & Cold Asphalt
Aggregate Bins	3 or 4
Integrated Cement Hopper	3.8 m <sup>3</sup>
Mixer	Twin Shaft, Continuous
Weighing	By loadcells, continuous
Power Unit	Diesel-Hydraulic or Electric
Water Weighing	Flowmeter
Additive Weighing	Flowmeter
Cement Silos	Horizontal, optional



# READY-JET CONCRETE REMOVAL SYSTEM

## HIGHLIGHTS

WHAT IS YOUR DEFINITION OF CLEAN?

The Ready Jet® remote-controlled, high-pressure cleaning system for safely removing residual hardened concrete from inside truck mixer drums, without the need for human entry.

The Readyjet is a safer and more efficient, alternative to traditional concrete drum cleaning methods and provides a viable alternative for both service providers and ready-mix plant fleet operators, who are looking for a proven solution for removing residual concrete from inside concrete mixer drums without the need for personnel to enter inside the drum.



### THE READY JET IS A SAFER SOLUTION

Safety is priceless. Keeping the mixer drum clean on the inside without entering the drum in person has always been a challenge for the industry.

The health and safety of your staff or chipping service is greatly improved. There is no longer the risk of working in a confined space and being exposed to noise, deadly falling debris and silica respiratory dangers. These can be greatly reduced using the Ready Jet Robotic Concrete Removal System.

### LESS RESIDUAL CONCRETE

Stop carrying unnecessary extra weight and start saving on fuel today.

Over time, the buildup in the truck mixers can weigh a few tonnes, which is not only increasing the tare weight but also reduces the effective mixer carrying capacity. This results in significant extra fuel costs. The ReadyJet Hardened Concrete Removal System will help you keep the drums clean and the truck mixers efficient and road compliant.



## MORE TIME ON THE ROAD

This ReadyJet is a unique and patented solution which allows to remove up to 500kg of hardened residual build-up, in approximately 45 minutes, without the need to enter the drum.

Cleaning the truck mixer drums using manual tools takes a lot of time, sometimes days and it is very dangerous. The ReadyJet is significantly faster and it is the safest solution as no-one gets in the back of the drum, works in a confined space, or operates manual impact tools.

MODEL	READYJET G4
Power Supply	350 hp Diesel Engine
Working Pressure	20,000 PSI (1380 bar)
Chassis	Towable trailer
Control	Remote
Water Pump	Jetstream
Water Filter	10 microns
Hydraulic System	





## AGGREGATE PROCESSING

Bulldog have over 25 years of experience in the design, manufacture, installation and aftersales support of turn-key Crushing and Screening equipment. We offer a wide range of engineered products for quarrying and mining applications and durability is the primary quality that sets our products apart.



### FEEDERS

Constant material feeding to crushers and screens is very important in maximising the productivity and capacity of the plant. We offer grizzly feeders, scalpers, pan feeders, apron feeders, wobbler feeders, and belt feeders.



### CRUSHERS

We offer a wide range of crushers for every stage of the crushing process. Our robust and durable Jaw crushers, Impact crushers, VSI's, Cone crushers and Hammer crushers will provide you the results you are looking for.



### SCREENS

Proper screening is crucial for crushing plant efficiency and overall final product quality. Be it dry or wet screening with washing, we have a solution for it. We offer Inclined screens, Horizontal Screens and Grizzly screens for different applications.



### WET PROCESSING

Removing the unwanted particles, soil, silt, and clay from the aggregates is crucial in achieving the high-quality end products. We offer a range of fine and coarse material washers, compacts sand plants with cyclones and log washers.



### MOBILE SOLUTIONS

Temporary aggregate production requires mobile solutions that are easy to set up and fast to install. We offer a wide range of turn-key mobile crushers and screens for aggregate processing and washing applications.



### CONVEYING

Conveyor systems are very important in establishing a proper connection between the crushers, screens, and aggregate stockpiles. We offer turn-key heavy-duty and durable conveyors for aggregate processing plants and other applications.





## PLANT MAINTENANCE

We offer fully managed maintenance and service contracts for both newly installed plants as well as existing ones. Our experienced fitters, welders and plant operatives are always ready to support you in relocation, refurbishment or in case of a breakdown.



### BULLDOG, YOUR RELIABLE SERVICE PROVIDER

The Bulldog Engineering team are experienced, highly skilled professionals who can respond to all mechanical engineering needs in a safe, effective and efficient way.

Our services include:

- Fully managed maintenance contracts
- General plant maintenance and servicing
- Concrete/asphalt plant refurbishment, repair and relocation
- Plant inspection and condition reporting



### FULLY MANAGED MAINTENANCE CONTRACTS

Bulldog can provide a dedicated onsite contract maintenance and servicing package to ensure productivity is maintained in accordance with each customer's requirements and expectations.

Our highly experienced onsite engineers have in-depth knowledge and understanding of asphalt mixing and concrete batching equipment, therefore, they can react quickly and efficiently when issues occur ensuring downtime is minimised and productivity is maintained.



### GENERAL PLANT MAINTENANCE AND SERVICING

Bulldog offers a complete range of on-demand plant maintenance and servicing solutions, including reactionary and after-hours breakdown services as required. Our in-depth knowledge and understanding of asphalt mixing and concrete batching equipment enables us to react quickly and efficiently resulting in shorter downtimes.



### PLANT REFURBISHMENT, REPAIR AND RELOCATION

Bulldog offer a complete plant refurbishment, repair and relocation service ensuring your assets remain reliable and profitable in accordance with your business expectations.

Our services also include complete plant refurbishment, integrating new equipment with old, and the repair and relocation of existing plants and equipment, as required.



### PLANT INSPECTION AND CONDITION REPORTING

Bulldog can provide a complete plant inspection and condition reporting service which will help customers to reduce downtime and loss of production due to pre-scheduled maintenance routines in an efficient and cost-effective way.





## FABRICATION

BULLDOG designs, fabricates, supplies and installs a variety of EN1090 compliant, steelwork, structures, plant and equipment to the highest of standards.



### STEEL FABRICATION

Bulldog can design, manufacture, deliver and install a variety of steel fabricated components of any size including: machine guarding, loading chutes, aggregate hoppers, silos and steel frames for buildings, as required, in accordance with ISO9001 and EN1090.



### DESIGN AND DRAWING SERVICE

Bulldog offer a professional design service where we can produce bespoke fabrication drawings in accordance with our clients' specific requirements which can then be fabricated in our inhouse facilities.



### VAST EXPERIENCE

Bulldog brings together a wealth of engineering experience in designing and manufacturing unique and complex solutions to meet individual customer requirements.



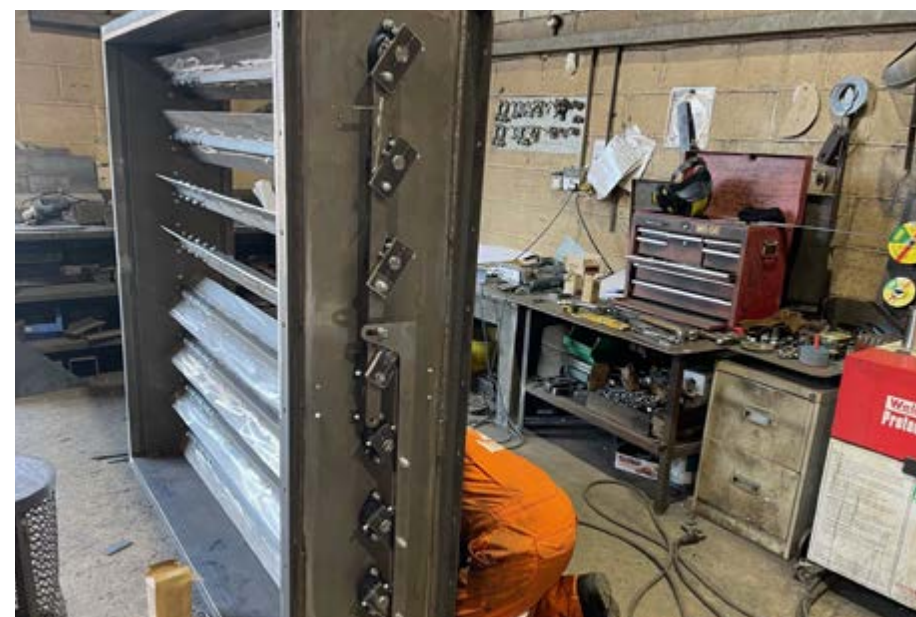
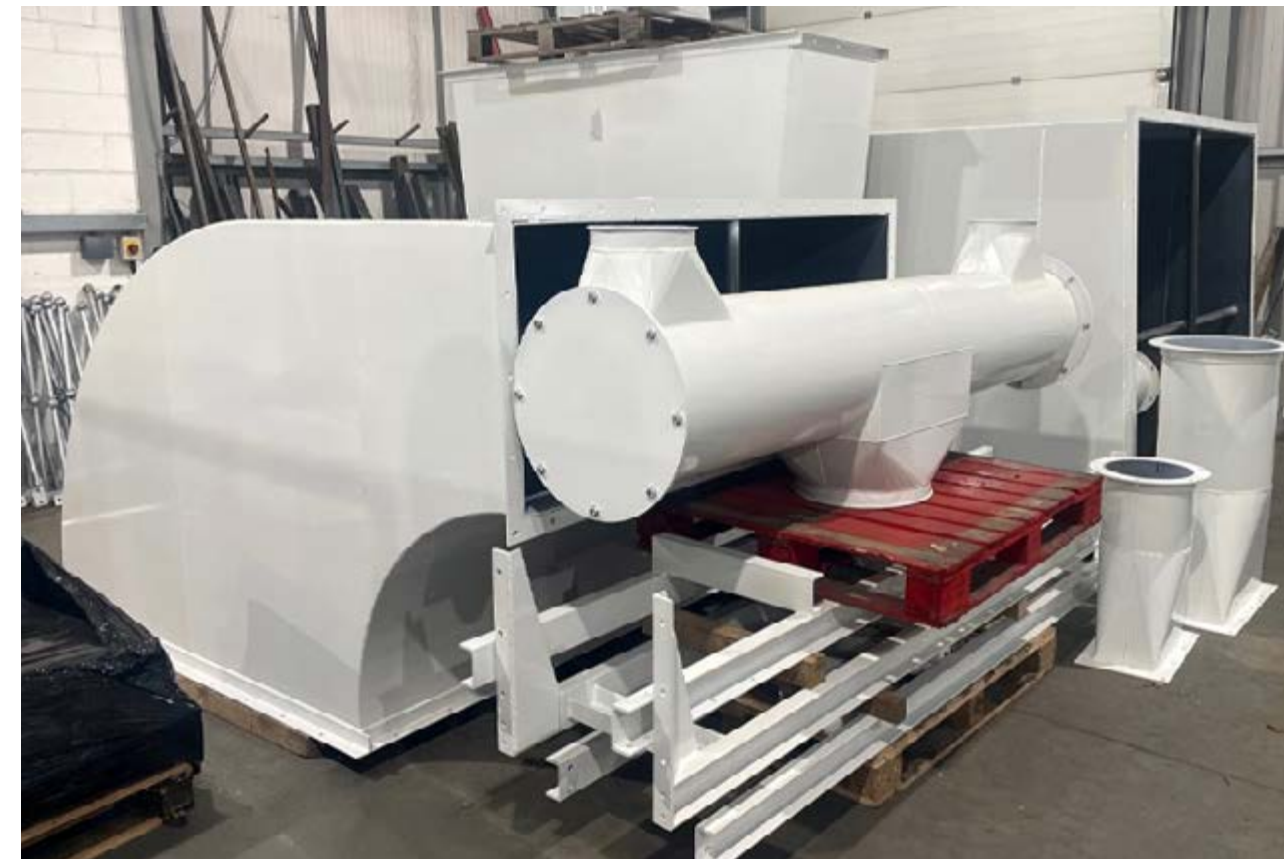


## BESPOKE STEEL FABRICATION SERVICES

At Bulldog Plant & Equipment Ltd, we combine years of installation and maintenance expertise with advanced manufacturing techniques to deliver high-quality and bespoke solutions for your Concrete, Asphalt, Aggregate Processing and Recycling Plants. From custom designed aggregate bins to custom built plant components like staircases, davits, dryer drum liners or elevators, we ensure every solution is crafted with care and deep industry knowledge.

With our experienced team and well-equipped facilities, we handle a wide range of fabrication projects, all manufactured to the highest standards. Our comprehensive manufacturing capabilities set us apart, enabling us to not only supply and install plants but also support our products throughout their lifetime, ensuring seamless and reliable operation for years to come.

Our recent work includes custom-designed ducting, which has been measured, designed and manufactured in-house.







#### **Head Office**

Contract and service operations, spare parts and fabrication facilities



Hoblongs Industrial Estate  
Chelmsford Road  
Great Dunmow  
Essex CM6 1JA



Tel: 01371 873 282  
Email: [info@bulldogplant.com](mailto:info@bulldogplant.com)

#### **Suffolk Base**

Site storage yard, management and accounting



Mobbs Way  
Lowestoft  
NR32 3AL



Tel: 01371 873 282  
Email: [info@bulldogplant.com](mailto:info@bulldogplant.com)



[WWW.BULLDOGPLANT.COM](http://WWW.BULLDOGPLANT.COM)