

blue™



Doppstadt

PRODUCT RANGE

Mobile & Stationary





All Doppstadt products are characterised by easy, unproblematic and maintenance-friendly operation. The essential advantages of the Doppstadt machines are

- **High availability**
- **High throughput**
- **Low operating costs**
- **Long service life**
- **Maintenance-friendliness**
- **Stability**
- **Functional design**
- **High degree of operating safety**

We also offer customer consulting as well as support and international sales and service.

The Doppstadt product range covers mobile and stationary machines and plants for various applications. Perfectly combinable products for the professional use. The fields of application are, among others, the processing or recycling of

- **Waste wood**
- **Green waste and biowaste**
- **root and log timber**
- **Garbage, bulky and industrial waste**
- **Compost**
- **Refuse-derived fuel**
- **Soil**
- **Sewage sludge**

MOBILE MACHINES - OVERVIEW

DW Series - Shredders



DW 2060



DW 2060 K



DW 2560



DW 3060



DW 3060 SA



DW 3060 K



DW 3080 K

DZ - Shredders 2 in 1



DZ 750

AK Series - Grinders



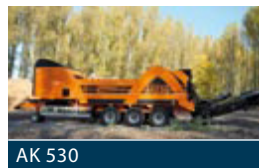
AK 230



AK 430



AK 430 K



AK 530

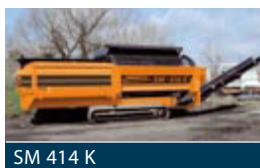


SM 630

SM Series - Trommel screens



SM 414



SM 414 K



SM 518



SM 620



SM 620 K

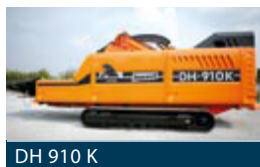
DH Series - Precision chippers



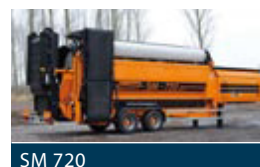
DH 608



DH 910



DH 910 K



SM 720

DM - Mixer



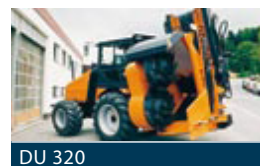
DM 215

DSP - Screw extruder



DSP 20-5

DU - Window turner



DU 320

DW SERIES - SHREDDERS

The DW shredders, working on the single-shaft principle, are ideally suited for the solution of the most difficult shredding problems. Thanks to different, quickly replaceable tools, the DW can be adjusted to the different shredding tasks. The direct drive with planetary gear ensures an efficient mechanic power transmission.

Fields of application: Shredding of waste wood, root timber, green waste, biowaste, garbage, bulky and industrial waste, mixed construction waste...



DW 2060

Total weight		14.500 kg
Drive	Motor type	Daimler OM 906 LA
	Power	150 kW (204 PS), 2.300 Rpm
Roller	Length	2.000 mm
	Diameter	600 mm
	No. of teeth	14
Transport dims.	L / W / H	6.640 / 2.230 / 2.500 mm



DW 2060 K

Total weight		18.000 kg
Drive	Motor type	Daimler OM 906 LA
	Power	150 kW (204 PS), 2.300 Rpm
Roller	Length	2.000 mm
	Diameter	600 mm
	No. of teeth	14
Transport dims.	L / W / H	7.120 / 2.300 / 3.720 mm



DW 2560

Total weight		19.000 kg
Drive	Motor type	Daimler OM 501 LA
	Power	290 kW (394 PS), 1.800 Rpm
Roller	Length	2.500 mm
	Diameter	600 mm
	No. of teeth	17
Transport dims.	L / W / H	9.425 / 2.500 / 3.900 mm



DW 3060

Total weight		25.000 kg
Drive	Motor type	Daimler OM 460 LA
	Power	315 kW (430 PS), 2.000 Rpm
Roller	Length	3.000 mm
	Diameter	600 mm
	No. of teeth	21
Transport dims.	L / W / H	9.750 / 2.500 / 3.800 mm



DW 3060 SA

Total weight		25.000 kg
Drive	Motor type	Daimler OM 457 LA
	Power	315 kW (430 PS), 2.000 Rpm
Roller	Length	3.000 mm
	Diameter	600 mm
	No. of teeth	21
Transport dims.	L / W / H	7.700 / 2.500 / 3.938 mm

**DW 3060 K**

Total weight		30.000 kg
Drive	Motor type	Daimler OM 460 LA
	Power	315 kW (430 PS), 2.000 Rpm
Roller	Length	3.000 mm
	Diameter	600 mm
	No. of teeth	21
Transport dims.	L / W / H	7.094 / 2.800 / 4.000 mm

**DW 3080 K**

Total weight		45.500 kg
Drive	Motor type	Daimler OM 502 LA
	Power	448 kW (610 PS), 1.800 Rpm
Roller	Length	3.000 mm
	Diameter	800 mm
	No. of teeth	21
Transport dims.	L / W / H	9.200 / 3.000 / 3.200 mm

DW SERIES - SHREDDER 2 IN 1

The DZ 750 combines pre- and re-shredding in one single machine. Pre-shredding is carried out by the single-shaft principle and the hydraulically controlled shredding comb of the DW series. Re-shredding is carried out by a fast-running fail drum with free-swinging tools according to the shredders of the AK series. This combination can process even the most difficult materials into a useable product in just one process step.

Fields of application: Shredding of waste wood, root timber, green waste, biowaste, garbage, bulky and industrial waste, mixed construction waste...

**DZ 750**

Total weight		46.000 kg
Drive	Motor type	Daimler OM 502 LA
	Power	450 kW (612 PS), 2.300 Rpm
Roller	Width	3.000 mm
	Diameter	600 mm
	Number of flails	21
Flail drum	Width	1.750 mm
	Diameter	1.120 mm
	Number of flails	36
Transport dims.	L / W / H	13.500 / 2.550 / 3.950 mm

AK SERIES - GRINDERS

The AK series comprises powerful grinders for nearly all kinds of grinding tasks – with high throughput capacity and a patented, load-sensing material feed. Thanks to the heavy gyrating mass, the fail drum with approx. 1.000 rpm and the free-swinging fail holders with replaceable fail tips, this grinder is unrivaled.

Fields of application: Grinding of waste wood, wooden pallets, log and root timber, green waste, garden and park waste, biowaste...



AK 230

Total weight	15.000 kg	
Drive	Motor type	Daimler OM 906 LA
	Power	150 kW (204 PS), 2.200 Rpm
Flail drum	Width	1.480 mm
	Diameter	900 mm
	Number of flails	16
Transport dims.	L / W / H	9.034 / 2.085 / 3.100 mm



AK 430

Total weight	19.000 kg	
Drive	Motor type	Daimler OM 460 LA
	Power	315 kW (428 PS), 2.000 Rpm
Flail drum	Width	1.750 mm
	Diameter	1.100 mm
	Number of flails	36
Transport dims.	L / W / H	9.040 / 2.500 / 3.310 mm



AK 430 K

Total weight	28.500 kg	
Drive	Motor type	Daimler OM 460 LA
	Power	315 kW (428 PS), 2.000 Rpm
Flail drum	Width	1.750 mm
	Diameter	1.120 mm
	Number of flails	36
Transport dims.	L / W / H	8.690 / 3.000 / 3.390 mm



AK 530

Total weight	25.000 kg	
Drive	Motor type	Daimler OM 502 LA
	Power	390 kW (530 PS), 2.000 Rpm
Flail drum	Width	1.750 mm
	Diameter	1.100 mm
	Number of flails	36
Transport dims.	L / W / H	11.203 / 2.500 / 3.750 mm



AK 630

Total weight	30.000 kg	
Drive	Motor type	Daimler OM 502 LA
	Power	450 kW (612 PS), 2.000 Rpm
Flail drum	Width	1.750 mm
	Diameter	1.120 mm
	Number of flails	36
Transport dims.	L / W / H	12.410 / 2.500 / 3.925 mm

SM SERIES - TROMMEL SCREENS

The powerful screens of the SM series are suited for screening the most difficult materials by means of the rotating screening trommel. The patented, load-sensing material feed enables an optimum utilization of the large screening surface. The basic machine can be adapted to your special requirements thanks to a large number of options, e. g. hopper separator, stonegrid, vibrating screen.

Fields of application: screening of soils, compost, bark, waste wood, residual waste, mixed construction waste, light debris...



SM 414

Total weight	10.500 kg	
Drive	Motor type	Caterpillar C 2.2
	Power	30 kW, 2.000 Rpm
Trommel	Length	4.200 mm
	Diameter	1.400 mm
Transport dims.	L / W / H	10.470 / 2.190 / 3.820 mm



SM 414 K

Total weight	12.000 kg	
Drive	Motor type	Caterpillar C 2.2
	Power	30 kW, 2.000 Rpm
Trommel	Length	4.200 mm
	Diameter	1.400 mm
Transport dims.	L / W / H	9.910 / 2.500 / 3.400 mm



SM 518

Total weight	15.000 kg	
Drive	Motor type	Caterpillar C 3.4
	Power	44 kW, 2.100 Rpm
Trommel	Length	4.700 mm
	Diameter	1.800 mm
Transport dims.	L / W / H	10.740 / 2.500 / 4.000 mm



SM 620

Total weight	17.000 kg	
Drive	Motor type	Daimler OM 904 LA
	Power	68 kW (90 PS), 1.600 Rpm
Trommel	Length	5.500 mm
	Diameter	2.000 mm
Transport dims.	L / W / H	11.800 / 2.550 / 4.000 mm



SM 620 K

Total weight	24.000 kg	
Drive	Motor type	Daimler OM 904 LA
	Power	68 kW
Trommel	Length	5.500 mm
	Diameter	2.000 mm
Transport dims.	L / W / H	11.450 / 3.000 / 3.400 mm



SM 720

Total weight	24.000 kg	
Drive	Motor type	Daimler OM 904 LA
	Power	68 kW, 1.600 Rpm
Trommel	Length	7.100 mm
	Diameter	2.000 mm
Transport dims.	L / W / H	12.220/ 2.550 / 4.000 mm

DH - PRECISION CHIPPERS

The precision chippers of the DH series are used for the economic production of wood chips, for the cultivation of woods and forest stands and for the utilization of residual wood, which is transformed into energy-saving quality products. The shredding rotor consisting of a solid full steel drum chips the material. The grain size of the chips can quickly be regulated in the machine by choosing the convenient screening segments according to the requirements. The chipped product is discharged by means of an integrated impeller blower.



DH 608

Total weight	19.000 kg	
Drive	Motor type	Daimler OM 460 LA
	Power	360 kW (490 PS), 2.000 Rpm
Chipping drum	Width	850 mm
	Diameter	1.000 mm
	Chipping blades	4
Transport dims.	L / W / H	7.950 / 2.500 / 3.680 mm



DH 910

Total weight	25.000 kg	
Drive	Motor type	Daimler OM 502 LA
	Power	450 kW (612 PS), 2.000 Rpm
Chipping drum	Width	1.000 mm
	Diameter	1.300 mm
	Chipping blades	5
Transport dims.	L / W / H	10.215/ 2.500 / 4.000 mm



DH 910 K

Total weight	30.000 kg	
Drive	Motor type	Daimler OM 502 LA
	Power	450 kW (612 PS), 2.000 Rpm
Chipping drum	Width	1.000 mm
	Diameter	1.300 mm
	Chipping blades	5
Transport dims.	L / W / H	8.680 / 3.000 / 3.400 mm

DM - MIXER

The mixer DM 215 with three helical screws and a 15 m³ mixing chamber is used for the homogenization of different organic materials, substrates and sludges. It can be driven with continuous or discontinuous feed (by charges). The mixing chamber can be closed with a covering plate. Additives can be added by means of an optional lime hopper with helical screw.

Fields of application: homogeneous mixing for processing biowaste/green waste, re-treatment of composts, processing of sewage sludges and contaminated soil...



DM 215

Total weight	19.000 kg	
Drive	Motor type	Daimler OM 906 LA
	Power	150 kW (204 PS), 2.200 Rpm
Mixing chamber	Capacity	15 m ³
	Mixer shafts	3
	Paddles	25 + 39
Transport dimens.	L / W / H	10.050 / 2.500 / 3.870 mm

DSP - SCREW EXTRUDER

The screw extruder DSP 20-5 can be mounted to the mixer DM 215 instead of the rear conveyor by a quick-changing device. The DSP is driven by a hydromotor und a planetary gear. The rotating cone presses the material through the screening baskets with a pre-regulated pressure. The mixer can be equipped with a water supply incl. water meter and stop valve controlled by remote control).

With the help of the screw extruder, it is possible to discharge for example mixed biowastes through screening baskets with different mesh sizes.



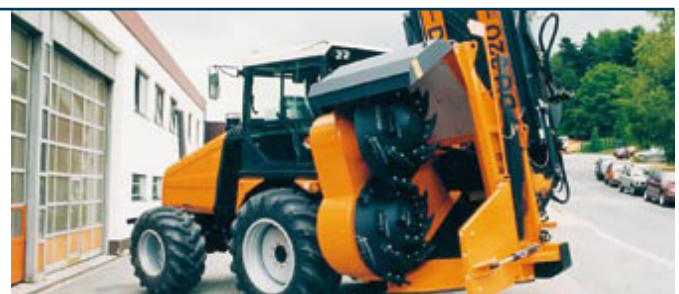
DSP 20-5

Total weight	3.700 kg	
Drive	Motor type	Hydromotor with planetary gear
	Power	30 kW, 5 to 20 Rpm
Screw	Screw spiral made from wear-resistant steel with additional wear elements	
	Diameter	500 mm
Pressing cone	hydraulically adjustable gap, pressure-dependent control	
Screening baskets	Standard perforation RV 10/16	

DU - WINDOW TURNER

The Du 320 is a windrow turner, which is independent of the windrow shape – for windrows of different sizes and heights. The high throughput, short setup times and flexible use on site are its advantages. Two side milling cutter discs are equipped with wear-resistant tools, which can easily be replaced. The Du is attached to the tractor unit by three-point linkage.

Fields of application: turning and processing of compost windrows, contaminated soils, shredded residual/organic waste windrows...



DU 320

Total weight	5.500 kg	
Drive	Motor type	DAF, PF 235 M
	Power	235 kW (320 PS), 2.300 Rpm
Milling cutter discs	2	
	Diameter	1.160 mm
Transport dimens.	L / W / H	4.560 / 3.000 / 3.075 mm

STATIONARY MACHINES - OVERVIEW

DW Series - Shredders



DW 2060 E



DW 2560 E1



DW 306



DW 3080 E2



DW 4060 E1

AK / NZ Series - Grinders



AK 230 E



AK 430 E



NZ 180 E

DW - Fine shredder



DW 2860

SM Series - Trommel screens



SM 518 A



SM 620 A



SM 718 A



SM 725 A



SM 1025 A

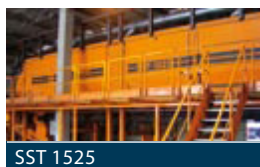
SST - Trommel screens



SST 725



SST 1025



SST 1525

DM - Mixer



DM 215 E

DSP - Screw extruder



DSP 20-5

DW SERIES - SHREDDERS

The stationary single-shaft shredders of the DW series stand out for their high throughput and the lumpy structure of the shredded materials. An adjustment to different conditions of the system design is possible thanks to the connections in the feeding and discharge area.

The DW shredders are suited for various tasks in the fields of mechanical-biological processing, biomass, refuse-derived fuels and landfill reclamation.



DW 2060 E

Total weight	Basic machine	14.000 kg
Drive	Motor type Power	Rotary current mot. K11R 315 M4/MX4 132/ 160 kW
Roller	Length Diameter No. of teeth	1.980 mm 600 mm 14
Main dims.	Basic machine	L / W / H: 6.150 / 2.000 / 2.500 mm



DW 2560 E1

Total weight	Basic machine	20.000 kg
Drive	Motor type Power	DC motor LAK 4225A / 4250C 210/ 315 kW
Roller	Length Diameter No. of teeth	2.400 mm 600 mm 17
Main dims.	Basic machine	L / W / H: 6.620 / 2.550 / 3.150 mm



DW 306

Total weight	Basic machine	32.000 kg
Drive	Motor type Power	DC motor / Rotary current mot. 210/ 315/ 380 kW
Roller	Length Diameter No. of teeth	3.000 mm 600 mm 21
Main dims.	Basic machine	L / W / H: 7.180 / 2.540 / 3.150 mm



DW 3080 E2

Total weight	Basic machine	33.500 kg
Drive	Motor type Power	DC motor LAK 4250C 315 kW
Roller	Length Diameter No. of teeth	2.960 mm 800 mm 13
Main dims.	Basic machine	L / W / H: 6.700 / 2.500 / 2.340 mm



DW 4060 E1

Total weight	Basic machine	34.000 kg
Drive	Motor type Power	DC motor LAK 4280B 380 kW
Roller	Length Diameter No. of teeth	3.800 mm 600 mm 27
Main dims.	Basic machine	L / W / H: 8.245 / 2.550 / 3.400 mm

AK / NZ SERIES - GRINDERS

The grinders of the AK / NZ series grind the materials by means of the large grinding drum. The free swinging fails equipped with replaceable wearing tips grind the material by tearing it along the baffle plate. According to the demands on the throughput and the grinding degree, there are different mesh sizes for the grinding basket available.

The grinders of the AK / NZ series are used for the grinding of waste wood, wooden pallets, log and root timber, green waste, biowaste...



AK 230 E		
Total weight	Basic machine	11.000 kg
Drive		V-belt drive / hydraulic drive
	Motor type	Rotary current mot. VEM K11R315 AC
	Power	160 kW, 1.477 Rpm
Trommel	Width	1.430 mm
	Diameter	900 mm
	Nominal speed	1.100 Rpm
Main dimens.	Basic machine	L / W / H: 6.387 / 2.088 / 1.871 mm



AK 430 E		
Total weight	Basic machine	15.000 kg
Drive		V-belt drive / hydraulic drive
	Motor type	Rotary current mot. VEM K21R315 AC
	Power	250 / 315 kW, 1.490 Rpm
Trommel	Width	1.750 mm
	Diameter	1.120 mm
	Nominal speed	1.100 Rpm
Main dimens.	Basic machine	L / W / H: 6.894 / 2.500 / 1.780 mm



NZ 180 E		
Total weight	Basic machine	14.400 kg
Drive		V-belt drive / hydraulic drive
	Motor type	Rotary current mot. VEM K21R315 AC
	Power	315 kW, 1.490 Rpm
Trommel	Width	1.750 mm
	Diameter	1.120 mm
	Nominal speed	1.100 Rpm
Main dimens.	Basic machine	L / W / H: 4.723 / 2.764 / 1.971 mm

DW - FINE SHREDDER

The DW 2860 is a fine shredder with electric drive for the production of fine material, which, for example, can be used as refuse-derived fuel. It is equipped with two shredding rollers, replaceable tooth holders with screw fixings, replaceable hardened teeth and two screening baskets.

With its double shaft principle with counter comb the DW 2860 offers the solution for hard-to-shred material.

It is suited for shredding waste wood, pre-sorted garbage, bulky and industrial waste...



DW 2860		
Total weight	Basic machine	27.000 kg
Drive	Motor type	2 x DC motor LAK 4225A
	Power	2 x 210 kW
Trommel	Width	1.750 mm
	Diameter	1.120 mm
	Nominal speed	1.100 Rpm
Main dimens.	Basic machine	L / W / H: 4.800 / 2.750 / 2.030 mm

SM SERIES - TROMMEL SCREENS

The SM series comprises stationary screens with high throughput and screening capacity. They stand out for their open design and the robust trommels with punched screening plates with different mesh sizes and thicknesses. The connections in the feed and discharge area allow an adjustment to different conditions of the system design. The SM screens are mainly used with hoppers.

Fields of application are among others the mechanical - organic processing, the processing of construction waste, the screening of soils, compost, bark...



SM 518 A

Total weight	Basic machine	5.800 kg
Drive		Gear pinion
	Motor type	Gear motor
	Power	11 kW
Trommel	Length	4.700 mm
	Diameter	1.800 mm
	Nominal speed	15 Rpm
Main dimens.	Basic machine	L / W / H: 6.210 / 2.300 / 2.500 mm



SM 620 A

Total weight	Basic machine	12.000 kg
Drive		Gear pinion
	Motor type	Gear motor
	Power	15 kW
Trommel	Length	5.430 mm
	Diameter	2.000 mm
	Nominal speed	15 Rpm
Main dimens.	Basic machine	L / W / H: 6.780 / 2.350 / 2.950 mm



SM 718 A

Total weight	Basic machine	9.400 kg
Drive		Gear pinion
	Motor type	Gear motor
	Power	22 kW
Trommel	Length	7.100 mm
	Diameter	1.800 mm
	Nominal speed	15 Rpm
Main dimens.	Basic machine	L / W / H: 8.700 / 2.300 / 2.500 mm



SM 725 A

Total weight	Basic machine	16.700 kg
Drive		Friction drive by support wheels
	Motor type	Gear motor
	Power	2 x 15 kW
Trommel	Length	7.000 mm
	Diameter	2.500 mm
	Nominal speed	10 Rpm
Main dimens.	Basic machine	L / W / H: 9.100 / 3.000 / 3.140 mm



SM 1025 A

Total weight	Basic machine	22.500 kg
Drive		Friction drive by support wheels
	Motor type	Gear motor
	Power	4 x 11 kW
Trommel	Length	10.000 mm
	Diameter	2.500 mm
	Nominal speed	10 Rpm
Main dimens.	Basic machine	L / W / H: 12.800 / 3.000 / 3.100 mm

SST SERIES - TROMMEL SCREENS

The stationary trommel screens of the SST series stand out for their high throughput and screening capacity and for their robust trommel design with punched screening plates with different mesh sizes and thicknesses. The connections in the feed and discharge area allow an adjustment to different conditions of the system design.

Fields of application are among others the mechanical - organic processing, the processing of construction waste, the screening of soils, compost, bark...



SST 725

Total weight	Basic machine	17.000 kg
Drive		Friction drive by support wheels
	Motor type	Gear motor
	Power	2 x 15 kW
Trommel	Length	7.000 mm
	Diameter	2.500 mm
	Nominal speed	10 Rpm
Main dimens.	Basic machine	L / W / H: 9.800 / 3.000 / 3.300 mm



SST 1025

Total weight	Basic machine	22.000 kg
Drive		Friction drive by support wheels
	Motor type	Gear motor
	Power	4 x 11 kW
Trommel	Length	10.000 mm
	Diameter	2.500 mm
	Nominal speed	10 Rpm
Main dimens.	Basic machine	L / W / H: 12.540 / 3.000 / 3.300 mm



SST 1525

Total weight	Basic machine	30.000 kg
Drive		Friction drive by support wheels
	Motor type	Gear motor
	Power	4 x 15 kW
Trommel	Length	15.000 mm
	Diameter	2.500 mm
	Nominal speed	10 Rpm
Main dimens.	Basic machine	L / W / H: 17.600 / 3.000 / 3.300 mm

DM - MIXER

The stationary mixer DM 215 E with three helical screws and a 15 m³ mixing chamber is used for the homogenization of different organic materials, substrates and sludges. It can be driven with continuous or discontinuous feed (by charges). The mixing chamber can be closed with a covering plate. Additives can be added by means of an optional lime hopper with helical screw.

Fields of application: homogeneous mixing for processing biowaste/green waste, re-treatment of composts, processing of sewage sludges and contaminated soil...



DM 215 E

Total weight	Basic machine	15.400 kg
Drive		Chain drive
	Motor type	Rotary current motor
	Power	160 kW
Mixing hopper	Width	4.000 mm
	Length	2.300 mm
	Capacity	15 m ³
Main dimens.	Basic machine	L / W / H: 7.735 / 2.500 / 2.400 mm

DSP - SCREW EXTRUDER

The material to be processed is charged into the feeding hopper. The screw extruder can also be driven without feeding hopper; for this purpose a facility for direct material feed to the screw conveyor of the DSP 20-5 is required. The screw conveyor moves the material to be pressed through the pressing basket towards the discharge area. During this process, the water contained in the material is pressed out. The screw extruder is driven by a hydromotor and a planetary gear. The screening baskets can quickly and easily be attached to the screw extruder frame by means of clamping plates and wedges. Stainless steel covers are used as splashguards.



DSP 20-5

Total weight		3.700 kg
Drive	Motor type	Hydromotor with planetary gear
	Power	30 kW
Screw	Diameter	500 mm
	Speed	5 – 20 Rpm
Drive unit	Drive	elektrohydraulic
	Power	55 kW
	L / W / H	2.400 / 900 / 1.850 mm
Hopper	Drive	Hydromotor with spur gear
	Capacity	appr. 3 m ³
	L / W / H	3.250 / 1.650 / 2.250 mm



Doppstadt

Blue Scotland Office

9 Broadleys Road
Springkerse Industrial Estate
Stirling
FK7 7ST
Tel: 01786 469444
Fax: 01786 469222

Blue Central Office

5 Commonsides Business Centre
Daresbury Lane, Hatton
Warrington, Cheshire
WA4 4FT
Tel: 0845 230 4460
Fax: 0845 658 2314

Blue London Office

39a Portsmouth Road
Cobham
Surrey
KT11 1JQ
Tel: 0870 898 8920
Fax: 0870 898 8930

Blue Southern Office

Newton
Thornbury
Bristol
BS35 1LG
Tel: 01454 412425
Fax: 01454 419402

Blue Spares (Warrington)

Appleton Thorn Trading Estate
Warrington, Cheshire
WA4 4SN
Tel: 0845 1300 669
Fax: 01925 604 881

Blue Spares (Stirling)

9 Broadleys Road
Springkerse Industrial Estate
Stirling
FK7 7ST
Tel: 01786 469444
Fax: 01786 469222



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