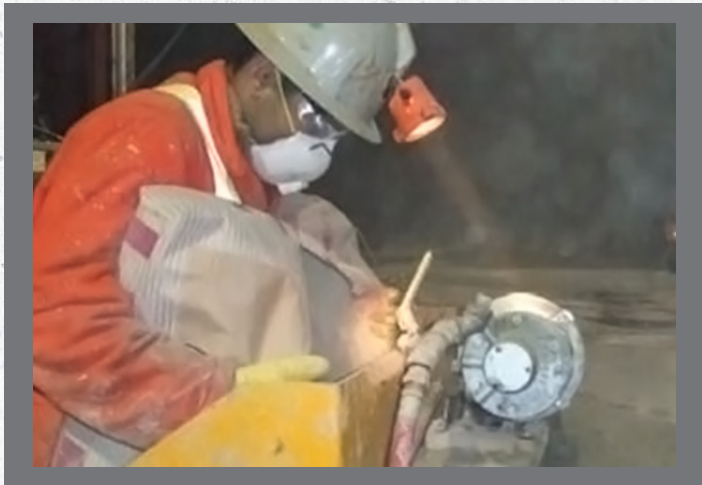




SHOTCRETE • CONCRETE • GROUT • EQUIPMENT



GROUT



SUPPORT YOU CAN COUNT ON

As your one-stop source for shotcrete application equipment, shotcrete materials, transfer systems, grouting equipment, and associated technical support, Multicrete Systems Inc. offers leading-edge project solutions to customers worldwide.

Our energetic and multi-disciplinary team includes engineers, mining professionals, and construction specialists who supply the mining and tunneling industries with technical assistance focused on supporting shotcrete, grouting, and concrete programs. We have also offered expertise and solutions in several civil construction, new construction, and restoration ventures. On the international scale, we have supplied equipment and materials to mining companies in North, Central, and South America.

MULTICRETE SYSTEMS INC. MULTICRETE SYSTEMS (USA) INC.



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GROUT EQUIPMENT

AUTHORIZED
DISTRIBUTOR

ChemGrout®



CG-500 VERSATILE GROUT SERIES

The ChemGrout CG-500 versatile series are high production, skid-mounted grout plants. These versatile units are designed to mix and pump neat cement, sanded grouts and most commercial pre-blended grout mixes. The versatile series features two 70-gallon (265 L) mixing tanks, a 15-gallon (57 L) holding hopper and an open throat progressive cavity pump.



CG-500 HIGH PRESSURE GROUT SERIES

The ChemGrout CG-500 HP series are skid-mounted, high pressure grout plants. These units feature two 70-gallon (265 L) mixing tanks, a 21-gallon (80 L) holding hopper, and a high-pressure plunger grout plant. The unique double mix tank design permits continuous pumping as each mix tank alternately feeds the pump.



HIGH PRESSURE GROUT PUMPS

HP Series grout pumps combine the latest advances in grouting equipment design and flexibility. With the HP series, you can customize pump to meet specific needs by installing a simple conversion kit to increase discharge pressure in the field from the standard 1,000 to 1,600 psi or 2,000 psi.

HP series pumps are offered separately, or with optional mixing tanks. They can accommodate a variety of power sources to deliver higher volumes at greater pressures for optimum production.

GROUT EQUIPMENT

AUTHORIZED
DISTRIBUTOR



MINEPRO MP3

The quiet and robust hydraulic grout mixer and pump produces high shear, high density thixotropic grout and features a 38 gallon (145 litre), progressive cavity wet grout tank.

Power options include: Direct air drives (80 psi 500 cfm), Air/Hydraulic, Electrical/Hydraulic, and Diesel/Hydraulic (10 HP). Mobility options include: Skids, heavy duty 4-way skids, 4-wheel pull cart, and 2-wheel highway trailer.



MINEPRO LEH

The powerful Langford Electric Hydraulic mixer/pump boasts a 38 gallon (145 litre) progressive cavity tank that produces high quality grout.

Power options include: Direct air drives (80 psi 500 cfm), Air/Hydraulic, Electrical/Hydraulic, and Diesel/Hydraulic (10 HP). Mobility options include: skids, heavy duty 4-way skids, 4-wheel pull cart, 2-wheel highway trailer.



MINEPRO LAM

The Langford Air Mechanical mixer/pump runs a 38 gallon (145 litre) progressive cavity tank that produces high shear grout at 20 litres per minute (300 psi).

Power options include: Direct air drives (80 psi 500 cfm), Air/Hydraulic, Electrical/Hydraulic, and Diesel/Hydraulic (10 HP). Mobility options include: skids, heavy duty 4-way skids, 4-wheel pull cart, 2-wheel highway trailer.

GROUT EQUIPMENT



MINEPRO CAM

The compact and robust CAM air-mechanical from Minepro features a 22 gallon (85 litre) wet grout, double action piston pump. This machine produces high shear, high density thixotropic grout at 20 litres per minute (300 psi).



MINEPRO KANUK

The Kanuk mixing and discharge hopper is a quiet, powerful progressive capacity mixer capable of producing 20 litres of high density grout per minute.

Power options include: Direct air drives (80 psi 500 cfm), Air/Hydraulic, Electrical/Hydraulic, and Diesel/Hydraulic (10 HP). Mobility options include: Skids, heavy duty 4-way skids, 4-wheel pull cart, and 2-wheel highway trailer.



MULTICRETE 3100 GROUT MIXER

Works flawlessly with the Ictus 6000 grout pump.

The Multicrete 3100 Grout Mixer System allows mixing of grout and may be used in combination with the Ictus 6000 Grout Pump.



GROUT EQUIPMENT



MULTICRETE COLLOIDAL SD-6 MIXER



This machine is a single drum, high speed, high shear unit designed for the efficient production of cement-based grouts. The product exhibits colloidal properties and is nearly immiscible in water. Can handle cement/sand ratios of up to 1:3 by weight and produce pumpable mixtures. Will mix a wide range of materials such as cement/PFA, pre-blends, bentonite, lime or chemicals.



ICTUS EQUIPMENT (Pty) Ltd

ICTUS 6000 GROUT PUMP

The Ictus 6000 is an ideal pump to use with the Multicrete 3100 mixer.

The Ictus 6000 series is portable and lightweight. In combination with the Multicrete-3100 mixers, it is mainly used for full-column grouting as in cable anchoring and also for spraying materials. Combining the air-motor with different riser-tube assemblies (fluid sections) will adapt the pump to suit different needs.

All the pumps are equipped with a VFO lubricator/filter to ensure clean lubricating air operates the pump. The riser-tube is fitted with a clamp and allows removal of the tube for cleaning without the need of special tools. Pump can handle a variety of mixes, from a thin liquid to a viscous grout (1:3 water to cement ratio). Other models can be manufactured to meet special needs.



GROUT MATERIALS

POLYURETHANE WATER CUT-OFF GROUT

Polyurethane Water Cut-off & Soil Stabilization Grout is made of polyurethane, which reacts with water by expanding. The cured product is a cellular material.

WATER CUT-OFF GROUT

Water Cut-Off Grout is an unsanded blend of cement, silica fume (microsilica) and other carefully selected admixtures. It is designed to be a pumpable grout that resists washout by flowing water and behaves similar to a microfine cement.

MULTIGROUT NON-SHRINK GROUT

Non-Shrink Grout is a sanded, cement-based, non-ferrous, non-shrink grout. This specially formulated grout features reliability and high performance for a variety of general grouting purposes.

MULTIGROUT CB AND CB-S

CB is an un-sanded, cement-based expanding grout containing silica fume (microsilica) and other carefully selected additives. MultiGrout CB gains strength quickly and resists water washout, making it ideal for anchoring tendons, cables and bolts into soil or rock media. CB-S Grout includes sand material.

XPR NON-SHRINK GROUT

This grout is a hydraulic cement-based, non-ferrous, non-shrink grout that can be sanded or unsanded (concentrate). This specially formulated grout features reliability and high performance for a variety of general grouting purposes.

MULTICRETE PRODUCES GROUT MATERIALS IN A VARIETY OF PACKAGING SIZES OR BULK

GROUT ACCESSORIES

ChemGrout®

CHEMGROUT GROUT PACKERS



DRIVE PACKER

Designed for easy insertion and removal from the injection hole for slabjacking and voidfilling. Inserts into a 1" drilled hole. Comes complete with hose coupling, reinforced drive head and shut off valve. Available for 1" and 1 1/4" hose fittings.



MECHANICAL SURFACE GROUT PACKERS

Designed to connect the grout hose to sound material for slabjacking and voidfilling. Comes complete with hose coupling, shut off valve, spinner and expandable rubber end. Available in standard diameters of 1 1/2", 1 3/4", 2", 2 1/2" and 3". Standard lengths 1 & 2 ft, longer upon request.



INFLATABLE GROUT PACKERS

Inflatable packers are available in diameter sizes of 1"- 2", 2"- 3", 3"- 6", 4"- 7" and 5"- 8". Lengths range from 10" up to five feet or more. With their sliding head design, they have the ability to double in size from their run-in diameter and typically furnish a longer seal than that of a mechanical packer. These packers have integral tube scrapers that remove excess grout that has adhered to the outside of the center tube and work each time the packer is deflated.

GROUT ACCESSORIES

ChemGrout®

CHEMGROUT WATER BATCHERS



SINGLE WATER BATCHER

Manually operated water batcher with adjustable overflow pipe and quick discharge slide gate dump valve. Various sizes available. Single mix tank.

DOUBLE WATER BATCHER

Manually operated water batcher with adjustable overflow pipe and quick discharge slide gate dump valve. Various sizes available for double mix tanks.



GROUT PLANTS



Design/build specialists, engineers, plant superintendents, quality control, maintenance and support personnel are key to the set-up and implementation of successful shotcrete and concrete production facilities. We can custom blend to meet project-specific requirements. Efficiency allows for over 150 metric tonnes of dry-mix pre-blended material to be produced in an 8 hour shift.



WE ALSO PROVIDE SOLUTIONS FOR...

SHOTCRETE

Multicrete's production facilities can produce a variety of shotcrete materials and mix designs. We can package the materials in a variety of methods from bulk bags, small bags, reusable cassettes, or transporter bulk. We distribute SIKA-Aliva shotcrete equipment and parts. We manufacture all integrated deliver, storage and mixing systems.



CONCRETE

Multicrete has several branches that have Redi-Mix batching, delivery and pumping capabilities. Our plants can also produce dry pre-mixed concrete, wet aggregate and bulk cement bagging. We have portable batching plants and also build batch plants.



SPECIALTY EQUIPMENT

Multicrete manufactures batch plants, underground loading stations, mixing plants, shotcrete carrier & application units, bulk delivery systems, transport systems and more. Working with your existing infrastructure and equipment, we can provide solutions for your unique problems.





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