

Navdeep Stevens

TECHNICAL SPECIALIST

Professional Summary

Navdeep is a technical specialist with over 10 years of experience in the design, assembly and maintenance of specialty construction equipment for cement and chemical grouting applications. He possesses a profound understanding of grouting methods and materials, allowing him to oversee every step of the grouting process, while ensuring compliance to designed specifications and safety standards.

Work History

2010 to date Multiurethanes Ltd.
Mississauga, ON
Multiurethanes Inc.
Buffalo, NY

2009 – 2010 Par-Pak Ltd,
Brampton, ON

2008 – 2009 Walker Adams Karting Ltd
Birmingham, United Kingdom

Education

2006 – 2010 B Eng. Mechanical Engineering
M Sc. Mechanical Engineering
Birmingham City University
United Kingdom

Current Safety Certifications

- Standard First Aid CPR-A & AED
- Confined Space Entry
- Working at Heights
- WHMIS

Specialties

- Solutions for high volume, high pressure, high temperature water inflows
- Hands on technical direction and site supervision for grouting operations
- Water Cutoff
- Chemical grouting
- Cement grouting
- Cellular grouting

Technical skills

- Design and fabrication of grouting equipment for light – weight cellular grout for annular space grouting
- Concrete crack injection for wet and dry cracks
- Operation of grout mixing and pumping equipment for void filling and soil stabilization
- Operation of grout mixing and pumping equipment for cement and chemical grouting
- Construction site troubleshooting and training of contractor personnel for concrete repair and water control applications
- Coordination and preparation of parts and fittings for customized grouting equipment

Selected Grouting Experience



Grouting Equipment Maintenance

Mississauga, ON

Responsible for the maintenance and service of electric grout pumps, progressive cavity and piston grout pumps for grouting operations. Provided on-site troubleshooting of grouting equipment.



Cement Grouting

Toronto, ON

Performed microfine cement grouting and waterstop operations using polyurethane resins. Provided sodium silicate grouting for soil stabilization in cross passage tunnels in a light rail transit (LRT) line construction project.



Water Cut off

Brampton, ON

Engaged on energy transmission facility expansion project performing a water cut off operation in a tunnel shaft liner for a major utility company.



Soil Stabilization

Toronto, ON

Assisted with a chemical grouting operation to stop quicksand from leaking through a caisson wall.