

# WATERPROOFING & SURFACE PREPARATION EQUIPMENT











# Injection Grouting Pumps

#### HY1001

- Made in India.
- Powered by 220V, Bosch Drill.
- Single ball piston pump.
- Max pressure 4500psi/300bar.
- Max flow rate of 500mL/min.
- Weighs 6kgs.
- Suitable for medium viscosity epoxies & PU with a minimum
   30 mins pot life.





Syringe injector for grouting

#### CY1000

- Korean made pump.
- Powered by 220V, Makita Drill.
- Single ball piston pump.
- Max pressure 6000psi/400bar.
- Max flow rate of 400mL/min.
- Weighs 6kgs.
- Suitable for medium viscosity epoxies & PU with a minimum 30 mins pot life.

#### HY2001

- Made in India.
- Powered by 220V, Bosch Drill.
- Single ball piston pump.
- Max pressure 4500psi/300bar.
- Max combined flow rate: 900mL/min
- Weighs 9kgs.
- Suitable for short pot life PUs & epoxies.

#### Graco UltraMax 390

- 5/8HP, Carbon brush electric motor.
- Two ball piston pump, with automatic cut off sensor.
- Max pressure 3300psi/227bar.
- Suitable for epoxy & PU materials.
- Max flow rate of 1.8L/min.
- Weighs 13kgs.

#### Graco UltraMax 495

- 1.2HP, Brushless electric motor.
- Two ball piston pump.
- With automatic cut off sensor.
- Maximum pressure 3300psi/227bar.
- Maximum flow rate of 2.2L/min.
- Weighs 15kgs.
- Equipped with Graco BlueLink.





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# Pneumatic Grouting Pumps



# Gam wi m pu A · · ·

# Graco A25 Pump Modified for Injection Grouting

**Graco A25** is a pneumatic driven 1:1 ratio pump that has been modified for injection grouting. It is an air controlled 25:1 ratio pump with a maximum flow rate of 11.4kg/min, and 2000psi/138bar maximum working pressure. The two components, Part A & B are pumped separately, and mixed in the mixing head before injection.

A standard package includes:

- Cart mounted A25 pump.
- 2x15mts 9.5mm high pressure hose.
- HD injection with static mixer.

**Technical Specifications** 

- Max working pressure: 2000psi/138bar.
- Max air supply pressure: 125psi/9bar.
- Air consumption: 28scfm at 1500psi stall pressure.
- Maximum output: 11.4kg/min.
- Hoses: 50ft x 3/8in each.
- Weight: 40kgs.

# Graco XP Pump

High Pressure, High Volume Injection Grouting

**Graco XP pumps** are pneumatic two-component proportioners available in 35:1, 50:1, 70:1 ratios. The pump has been modified for injection grouting, with air-pressure control, and a maximum output of 30lpm at 60cycles/min. Working pressure varies with variant, and can go upto 7000psi/500bar.

A standard package includes:

- Cart mounted XP pump.
- 2x15mts high pressure hose.
- HD injection with static mixer.

The Graco XP grouting pump is ideal for short pot life dual component materials, and fixed ratios such as: 1:1, 1.5:1, 2:1, 2.5:1, 3:1, 4:1.





#### Graco TexSpray RTX2500

- 1.7HP, 220V Electric Brushless motor.
- Suitable for cement & fiber based waterproofing coatings & texture.
- In-built dual piston air compressor.
- Suitable for residential, and small commericial projects.
- Sprays upto 550sq.mt per day.
- Weighs 33kgs.



## Graco TexSpray RTX5500

- 2HP, 220V Electric Brushless motor.
- Suitable for cement & fiber based waterproofing coatings & texture.
- In-built dual piston air compressor.
- Ideal for medium & large projects.
- Sprays upto 800sq.mt per day.
- Weighs 72kgs.

## Graco ToughTek P30

- 230V electrical rotor-stator pump.
- For mortars with aggregate upto 6mm.
- Max flow rate of 35L/min.
- External compressor required for spray application.
- 72 litres hopper.
- Weighs 145kgs.

## Graco TexSpray FastFinish

- Pressure boosted hopper gun.
- 9cfm in-built air compressor.
- 50ft air hose.
- Ideal for small jobs like bathrooms, balconies, residential terraces.
- 4mm, 6mm, 8mm nozzles and fine finish kit.
- Suitable for cement based material
- with aggregate upto 2mm.
- Approx weight 30kgs.

## Graco ToughTek S340e

- Single phase, 230V Electric motor.
- Suitable for gypsum, or cement based vermiculite materials, and low density rehabilitation mortars.
- Also suitable for large cement grouting projects.
- External compressor required for spray application.
- 76L polyethylene hopper.
- Max flow rate of 24L/min.



## Graco ToughTek F800e

- Dual Piston pump with direct drive.
- 230V, Single phase, electric motor.
- Suitable for low & medium density water based mortars, with aggregate upto 5mm.
- Weighs 175kgs.
- External compressor required for spray application.
- Max flow rate of 98L/min.
- Max pressure 600psi/41bar.

# PU & Acrylic Coatings



## **Graco TexSpray Mark Series**

Feature	Mark IV Standard	Mark V Standard	Mark X Standard
Motor	2HP Brushless	2.8HP Brushless	4.4HP Brushless
Suitable for	Acrylics & low viscosity PU coatings	Acrylics & PU coatings	All types of single component PU & acrylic coatings
Flow rate	4L/min	5L/min	8L/min
Working pressure	3300psi/227bar	3300psi/227bar	3300psi/227bar
Weight	45kgs	59kgs	68kgs
Max tip size	0.031inches	0.039inches	0.045inches





#### Graco 7900HD Pro Contractor

- 6.5HP/200cc petrol driven Honda engine.
- Suitable for almost all kinds of single component PU and Acrylic coatings.
- Ideal for places where electricity connection is not reliable.
- Weighs 72kgs.









## Graco King

- Pneumatic driven airless sprayer.
- Available in 50:1, 60:1 & 70:1 ratios.
- Suitable for 1K high viscosity PU coatings.
- Weighs 100kgs.
- Max working pressure 7200psi/490bar.
- External air compressor required.

#### **Graco Xtreme Z45**

- Single phase 230V motor.
- Suitable for single component, PU and acrylic water proofing material.
- Weighs 106kgs.
- Max working pressure 4500psi/310bar.
- Max flow rate of 5L/min.
- 40kg SS hopper attached for smooth inflow of viscous material.







## Graco A-25

- Air operated 1:1 ratio pump.
- Graco engineered for spray insulation foaming.
- Constant output pressure for uniform pattern.
- 9kw in-built heaters for material & hose pipe.
- Weighs 113kgs.
- Graco AirPurge gun for fast setting 2K materials.
- Max working pressure 2000psi/137bar.
- Max flow rate 12 kg/min.

# Heated Hose



#### **Graco Reactor E-XP2**

- 3 phase electrically operated.
- Fixed 1:1 ratio proportioner for polyurea.
- On board data tracking & diagnostics.
- 15kw in-built heaters for material & hose pipe.
- Weighs 160kgs.
- Graco AirPurge gun for fast set 2K materials.
- Max working pressure 3500psi/206bar.
- Max flow rate 7.6L/min.

#### Graco Reactor E-10hp

- · Suitable for small 1:1 ratio polyurea jobs.
- Works on 240V single phase electrical supply.
- 24kg capacity insulated tank each for Polyol and Iso.
- 35ft non heated insulated hose.
- Weighs 108kgs.
- Max working pressure 2500psi/172bar.
- Max flow rate of 3.8L/min.



Fusion Pro Gun



# Short Pot Life Coatings





## **XP Plural Component Sprayer**

- · Short Pot life 2 component sprayer
- Multiple fixed ratio available- 1:1, 1.5:1, 2:1, 2.5:1, 4:1, 3:1.(Part A:B)
- External air compressor required to run Graco NXT Air Motor.
- Non-heated hoses with fusion SP gun.
- Suitable for high-viscosity, high-solid coatings.
- Max flow rate 7.2L/min.
- Max working pressure 7250psi/500bar.
- Dual hopper holds 26L of each component.
- Viscous material heater, transfer pumps, circulation kit & solvent flushing pump are optional attachments.



Image shows XP with transfer pumps

#### **XM Plural Component Sprayer**

- Short pot life, 2 component sprayer with mix ratio range of 1:1 to 10:1 with ratio tolerance of 5%.
- External air compressor required.
- Available in fluid working pressure of 50:1 & 70:1.
- Advance controls provide real time spray ratio.
- Material Heaters & flushing pumps are optional attachments.





**Vapour Abrasive Blasting** is similar to dry blasting, except that the media is moistened prior to impacting the surface & that helps in eliminating 92% dust in comparision to conventional blasting. The fine control over air pressure, water and abrasive mixtures help in reducing the amount of media consumed.



## Graco EcoQuip EQm

- Built in hand truck with wheels makes it easy to transport.
- Suitable for jobs such as cleaning & surface preparation.
- Max blasting pressure 175psi/12.1bar.
- 99L pot size for holding media.
- 400-500 cfm external air compressor required.
- Upto 92% less air pollution in comparison to conventional blasting.
- Package includes 15m blast hose with pneumatic blast control, #7 nozzle and tool kit.

## Graco EcoQuip EQp

- Entry level Vapour Blasting system from Graco.
- Portable cart with lift handles, weighing 100kgs.
- Upto 92% less dust, than traditional dry blasting.
- Works with coarse, fine or non-destructive media.
- Fast removal rates compared to other cleaning methods.
- Max blasting pressure 150psi/10bar.
- Holds upto 57L of media.
- 200-300 cfm external air compressor required.
- Blasts 90mins between refills.
- Package includes 50feet(15m) blast hose with pneumatic blast control & nozzle #5.





**Scarifiers** are surface preparation tools for concrete, asphalt, and steel. Scarifiers use steel/carbine cutters on drums that rotate at high-speed. This results in breaking of the old surface. Blastrac Scarfiers are suitable for removing oil, contaminants, epoxy coatings, and paint lines from road surfaces.

Description	Blastrac BMP-215E	Blastrac BMP-265E
Working Width	215mm	265mm
Scarifying Capacity	Upto 70m²/h	Upto 120m <sup>2</sup> /h
Motor Power	1.8kW/230V 50Hz/16A	5.5kW/400V 60Hz/16A
Working Speed	1750RPM	1500RPM
Weight	55kgs	175kgs

**Shot Blasting** is a method of surface preparation that throws large amounts of steel abrasive media by centrifugal force. Shot blasting with steel shots is the most environmentally friendly abrasive blasting method, as shots are recycled after hitting the surface, and the dust is removed to a dust collector using an airwash separator.

## **Blastrac 1-8DPS30 Shot Blaster**

- Working Width: 203mm.
- Blasting Capacity: Upto 50m<sup>2</sup>/h on concrete.
- Motor: 3kW/400V-50Hz/16A Three Phase motor.
- Weight: 125kgs.
- Speed: Upto 23m/min.
- Abrasive Consumption: 10-75gram/m<sup>2</sup>





## Blastrac BDC-1330LLP Dust Collector

- Motor Power: 4.5kW/220V Tri-motor.
- Filter: 3 cartridge filters.
- Airflow: 450m<sup>3</sup>/h.
- Vacumm: 211mBar.
- Bag Capacity: Upto 25kgs.
- Weight: 127kgs.

# Cutting Saws



#### Husqvarna FS400LV

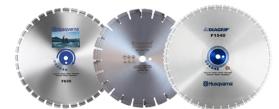
- Husqvarna's mid-segment floor sawing machine.
- 450mm blade can cut 162mm deep.
- On 8.8hp, air cooled petrol driven Yanmar engine.
- Weighs 145kgs.





#### Husqvarna Soft-Cut 150

- Early entry saw, capable of cutting 30mm deep.
- Suitable for concrete pour under 1000m<sup>2</sup>.
- 8.8hp air-cooled engine, made by Yanmar.
- Dry Weight 145kgs.



#### **Husqvarna Floor Sawing Diamond Blades**

- · Ideal for asphalt and reinforced concrete.
- High cutting speed with superb durability.
- Availbable for slot cutting for cable installation.

#### Husqvarna BT90 Concrete Screed

- Petrol driven Modular Screed.
- Equipped with twin de-vibrated handles
- Interchangable screed sections for 1m, 2m, 3m working widths.

#### Husqvarna BV30 Concrete Screed

- Petrol driven Walk-behind Screed.
- Equipped with twin de-vibrated handles.
- Interchangable blades allow for different working widths-1.8m, 2.4m, 3m, 3.6m.





Husqvarna K3000 Cut-N-Break

- 3.6hp, 230V, 2700W electric motor.
- 230mm blade, can cut upto 400mm deep.
- On board data tracking & diagnostics.

# Grinding & Polishing





Specification	PG450	PG280
Motor	230V, 2.9hp electric	230V, 2.9hp electric
Grinding width	450mm	280mm
Grinding Pressure	69kg	41kg
Disc Speed	705rpm	1400rpm
Weight	109kg	70kg

#### Husqvarna DC3300 Dust Collector

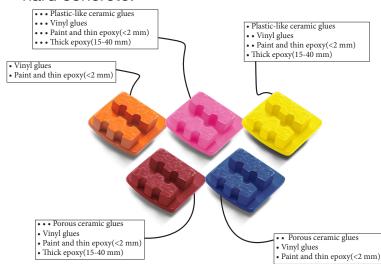
- 4.2hp, 230V/16A, single phase motor.
- 254mbar max vacuum pressure.
- 40mm suction inlet diameter.
- 65L container capacity.
- Weighs 97kgs.
- Suitable for both Dust and Slurry.

#### Husqvarna PG830

- 17hp, three phase motor.
- 270mm grinding disc diameter.
- Grinding Width: 820mm
- Number of grinding disc: 3.
- Maximum Disc Speed: 1100rpm
- Weighs 556kgs.

#### Husqvarna ELITE-GRIND G1400

- Lock segments with medium bonds.
- Suitable for grinding medium to hard concrete.





#### Husqvarna HIPERFLOOR

- Concrete polishing solution which enhances beauty, strength and abrasion strength.
- Availbable in three surface finishes: Premium, Commercial & Industrial.







#### **BAK ProtOn Air**

A small and light weight double seam welding machine for tunnels, suitable for soft plastic membranes like PVC, TPO.

- Driven using a brushless motor
- Stepless adjustment for welding parameters & airflow.
- 550°C max welding temperature, with digital display.
- 5m/min, max welding speed.
- Power Consumption: 2300W/230V/50Hz

#### BAK LarOn 21

# An easy to handle, ergonomic, and fast automatic welding machine for roofing membrane and tarpaulins.

- Welding speed range: 0.5-21m/min.
- Continuous operation brushless motor.
- Digital display for welding parameters, with stepless airflow, speed, and temperature adjustments.
- Ideal for welding roofing membrane.
- 620°C max welding temperature.
- Power Consumption: 4600W/230V/50Hz.



A semi-automatic welding machine for welding roofing membranes.

- Stepless adjustment for speed and temperature.
- Manual pressure input required.
- Guidance accessories available to keep the seam straight.
- Max welding temperature: 600°C.
- Power Consumption: 2100W/230V/50Hz.
- Walking support available as add on accessory.

**Pressure roller** for pressing and levelling the seam.





25mm

90mm

# Hot Air Welding Machines



#### **BAK PlanOn**

A small, robust, and competitive welding machine for seam welding.

- Ideal for welding coated fabrics, billboards, banners, and tarpaulins.
- Automatic drive start system.
- Potentiometer based welding speed and temperature adjustment .
- Capable of welding 20, 30, or 40mm seam.
- 0.5-12m/min welding speed.
- Power Consumption: 3400W/230V/50Hz





#### BAK RoofOn

RoofOn is an all rounder machine for all kinds of roof welding, which delivers high quality, and wrinkle free welding

- · Ideal for welding thermoplastics roofing membrane.
- Digital control, with displays for speed and temperature.
- · Stepless adjustment for speed and airflow.
- Maximum working temperature: 620°C.
- Operating speed: 0.5-12m/min.
- Power Consumption: 3400W/230V/50Hz.

#### **BAK RiOn**

A handheld hot air welding tool to weld different types of thermoplastic materials for roofing, flooring, tarps, plastic fabrication, etc.

- Optimal performance at the best price.
- High speed welding, enables high production.
- Stepless adjustment with an ergonomic handle.
- 650°C maximum operating temperature.
- Power Consumption: 1600W/230V/50Hz.





# Surface Preparation Equipment



#### Graco 4240 Pressure Washer

- 390cc Honda petrol engine.
- Suitable for high pressure cleaning.
- Maximum flow rate of 15L(water).
- Weighs 40kgs.
- Operating pressure 4200psi/290bar.
- Multiple interchangeable nozzles.

#### **Teryair Electric High Pressure Washer**

- Suitable for high pressure rapid cleaning.
- 440V, 3phase Electric motor.
- 200bar/2900psi, with max flow rate of 16lpm.
- Weighs 80kgs.

#### **Teryair Pneumatic Deck Scrabbler**

- 11 tungsten carbide piston heads for 4000 strokes per minute.
- 40-50cfm compressor required.
- Weighs 35kgs.
- Suitable for removal of laitance.

#### **Plaster Smoothener**

- 240V Electrically operated.
- Suitable for wet cement & gypsum plasters.
- Pads for rough smoothing and finishing avaiable.
- Max rpm 110.
- Weighs 6kgs.

#### Graco GrindLazer DC21e

- Drum style handheld cutter.
- Suitable for small surface preparation jobs.
- Works on horizontal & vertical surfaces.
- Working width of 5cm.
- Output of upto 8sq.mt per hour.
- Vacuum port for dust free working.





## Graco GrindLazer RC71e

- Rotary style hand held cutter.
- Suitable for small surface preparation jobs.
  Works on horizontal & vertical surfaces.
- Working width of 18cm.
- Output of upto 10sq.mt per hour.
- Vacuum port for dust free working





# Power Tools





#### **Paint Mixer**

- 230V, electrically operated mixer.
- Mixer diameter 120mm.
- Spindle length 550mm.
- Available in single and double spindle configurations.

#### **Teryair Pneumatic Scabbler**

- Pneumatic driven
- Suitable for removal of laitance from vertical surfaces & hard to reach areas.
- 3 piston heads.
- 3,200 strokes per minute.
- 10cfm air required.
- Weighs approximately 3kgs.

#### **Teryair Long Reach Scrapper**

- Pneumatic driven
- Suitable for scrapping of ceramic tiles, roofing material, paint & adhesive material.
- Fast interchangeable blades.
- 5 cfm air required.
- Weighs approximately 8kgs.

#### **Rubi Grout Scrapper 250**

- Electric grout scrapper for removal of tile grout.
- Ergonomic design, light weight & resistant.
- Resharpable tungsten carbide blade.
- Power supply 250V

#### **Graco Texture Hopper Gun**

- Light weight RTX Texture Gun.
- Approx 6L hopper capacity.
- 4mm, 6mm, 8mm, 12mm, nozzles





# Hand Tools

