

# Surface Preparation

Perfection is in the details





# Remote Control Grinding

The future is here now!

## Traxx Combiflex 1000RC

// radio controlled with six grinding discs

A robust, stable machine made of steel for grinding large areas. Traxx Combiflex 1000RC, is the first grinding machine that has combined the strength between the grinding method with six grinding discs rotating on a large plate that rotates in the opposite direction, with possibilities to grind with higher speed and more weight on the machine. We have a patented operating system for stable, even grinding. Radio control allows the operator to concentrate on emptying the dust separator and managing cables while the machine is working. Our battery operation with charger is another advantage, making it easy to load and unload the machine during transport. We have also designed the operating system and radio control ergonomically to avoid the operator being subjected to vibrations and load injury.

### TECHNICAL DATA 1000RC

Effect	14,4 kW
Amp	400V, 3x400V, 32 A 3-phase
Voltage	400V
Frequency	50 Hz
Weight	700kg
RPM	300-1200 / min
Grinding width	1030 mm
Grinding discs	6 x 240 mm
Voltage - R/Control	24V
Battery	Operation/transport lead
Batteries - R/Control	NiHM
Radio Frequency	433-434
Watertank	Extra feature



Add a quick release front wheel to SC650-SC1000 for easy moving into and off site!

## Grinding Machine Specification and Selection

	250X	330	450	450NS	500	650	700	700RC	800	SC1000RC
Working width	250mm	330mm	450mm	450mm	500mm	650mm	700mm	700mm	800mm	1030mm
Application	Economical	General grinding	General grinding and sanding	General grinding	General grinding	Large grinding	Large grinding	High productivity	Large grinding	Highest productivity
Motor power	2.2kw	2.2kw	1.5kw	2.2kw	4kw	7.5 - 11kw	7.5 - 11kw	7.5 - 11kw	11kw	14.4kw
Voltage/Hz	240v s.phase/50hz	230V 1.phase	240v/ s.phase/50hz	240v s.phase/50hz	410v 3.phase/50hz					
Number of grinding discs	single or TraxxLok	single or TraxxLok	3 x TraxxLok	3 x TraxxLok	3 x TraxxLok	3 x TraxxLok	3 x TraxxLok	3 x TraxxLok	3 x TraxxLok	6 x TraxxLok
Diameter of grinding discs	250mm	330mm	150mm	150mm	150mm	240mm	240mm	240mm	240mm	240mm
RPM/Fixed/Variable	fixed	fixed	fixed	fixed/variable	fixed/variable	variable	variable	variable	variable	variable
Water tank	no	no	no	option						
Weight.KG	45	65	100	120 + 40	160 / 170 + 40	320	430	460	480	700
Radio control	no	no	no	no	no	no	no	yes	no	yes
Best Dust Collector	SD1300/2800	SD1300/2800	SD1300/2800	SD1300/2800	SD2800/3000	SD6000	SD6000	SD6000	SD6000	SD6000

### TECHNICAL DATA 800

Effect	11 kW
Amp	32A
Voltage	3 x 400V
Frequency	50Hz / 60Hz
Weight	480kg
RPM	500-1100 / min
Grinding width	800 mm
Grinding discs	3 x 320mm
Watertank	Extra feature



## Traxx Combiflex 800

// with three grinding discs

The perfect machine for the really big jobs that need strength and stability throughout the grinding process. Ideal for polishing, stripping or stock removal of glues, epoxies and paint.

### TECHNICAL DATA 700RC

Effect	7,5 kW and 11 kW
Amp	16A, 400V, 3-phase/32A
Voltage	400V
Frequency	50Hz / 60Hz
Weight	460kg
RPM	300-900 / min
Grinding width	700 mm
Grinding discs	3 x 240mm
Voltage - R/Control	24V
Battery	Operation/transport lead
Batteries - R/Control	Li-Ion
Radio Frequency	433-434
Watertank	Extra feature



## Traxx Combiflex 700RC

// radio controlled with three grinding discs

Our unique operating system with automatic control via a joystick gives the 700RC an even grinding speed. This reduces the cost of the grinding, maintenance costs are reduced and the machine has a longer life. Radio control allows the operator to concentrate on emptying the dust separator and managing cables while the machine is working.

### TECHNICAL DATA 500i

Effect	4 kW
Amp	16A, 3-phase
Voltage	400V
Frequency	50Hz
Weight	160kg
RPM	1000 / min
Grinding width	500 mm
Grinding discs	3 x 150mm



## Traxx Combiflex 500i

// with three grinding discs

The Traxx Combiflex 500i is the first grinder to combine the advantages of a grinding system that features three grinding discs rotating on a larger disc rotating in the opposite direction, with the capability to grind at high disc speed and heavier machine weight.

### TECHNICAL DATA 450NS

Effect	2,2 kW
Amp	12 Amp
Voltage	230V 1-phase
Frequency	50Hz
Weight	120kg
RPM	950 / min
Grinding width	450 mm
Grinding discs	3 x 150mm



## Traxx Combiflex 450NS

// with three grinding discs

The Traxx Combiflex 450 NS is the first machine in a new generation of floor grinders to combine small format with high grinding power. The machine is intended for grinding concrete, stone and putty. It removes paint, carpet residues and contaminants without problem.

### TECHNICAL DATA 450

Effect	1,5 kW
Amp	8,7 Amp
Voltage	230V 1-phase
Weight	100kg
RPM	950 / min
Grinding width	450 mm



## Traxx Combiflex 450

// with three grinding discs

This is the perfect machine for rental, floor layers and smaller renovating businesses. Traxx Combiflex 450, single phase is more flexible, a bit simpler to use and very affordable.

### TECHNICAL DATA 650

Effect	7,5 kW
Amp	16A, 400V, 3-phase
Voltage	400V
Frequency	50Hz
Weight	320kg
RPM	500-1100 / min
Grinding width	650 mm
Grinding discs	3 x 240mm
Watertank	Extra feature



## Traxx Combiflex 650

// with three grinding discs

More even grinding. Ergonomically designed. Patented operating system. Our new model is a robust, stable machine made of steel for grinding large areas. We have also designed the operating system ergonomically to avoid the operator being subjected to vibrations and load injury.

### TECHNICAL DATA 500PD

Effect	4 kW
Amp	16A, 3-phase
Voltage	400V
Frequency	50 / 60Hz
Weight	170kg
RPM	500-1100 / min
Grinding width	500 mm
Grinding discs	3 x 150mm
Watertank	Standard



## Traxx Combiflex 500PD

// with water tank and three grinding discs

The Traxx Combiflex 500PD (power drive) is the first grinder to combine the advantages of a grinding system that features three grinding discs rotating on a larger disc rotating in the opposite direction, with variable speed and with the capability to grind at high disc speed and heavier machine weight.

With a simple manipulation, change the Traxx Grinder! 330 to a 330 Edge Grinder!

### TECHNICAL DATA 330

Effect	2,2 kW
Amp	12 Amp
Voltage	230V 1-phase
Frequency	50Hz
Weight	65kg
RPM	1430 / min
Grinding width	330 mm
Grindplates	1 x 330mm



## Traxx Combiflex 330

// with one grinding disc

Traxx Combiflex 330 is both a very effective and easy to use single head grinder and an edge grinder in the same machine. With an easy operation, you can move the head and dust cover to the left or right, to then use as an edge grinder. For easy transportation, the machine can be separated into two parts, enabling the operator to lift in and out of a vehicle.



## SC250X Grinding Machine

The perfect all round start up or rental machine for grinding, polishing or stock removal. Accepts TraxxLok or full discs.



## MC8 Scarifying Machine

Perfect for heavy stock removal on uneven or undulating surfaces. A full range of star cutters and accessories are available.

# Dust Collectors & Separators



**SD6000 Dust Collector**

Traxx SD6000 is a powerful and usable dust collector that is used together with our large grinding machine range, SC650 and above. High capacity = Maximum suction power. SD6000 is equipped with Jet-pulse, an efficient function for cleaning of filter. Microfilter classification H-13. Longopac is the bag system that gives you a simple and dust free dirt disposal. An important detail when you handle fine and maybe also health hazardous material.

**SD500 High Performance Room Dust Extractor**

Dual speed, indicator lamp for filters and hour meter.

**AIRFLOW WITH FILTERS**

Fullspeed	477 m3/h
Halfspeed	270 m3/h
Voltage	240V
Motor Power	260W
Weight	19.5kg

**SD3000 Dust Collector**

TRAXX SD3000 is a dust extractor made for the professionals working in the industry and construction market. Our machines separate hard to handle materials such as grind dust and leftovers from demolition work. High capacity = Maximum suction power. SD3000 is equipped with Jet-pulse, an efficient function for cleaning of the washable and durable filter socks. The Longopac bag system is the smart way to handle the collected material.



**SD2800 Dust Collector**

TRAXX SD2800 is known for good suction capacity and high reliability. The cyclone separates the rough material before any filter is changed. The rough filter package is made of washable and durable textile filter socks. The micro filter takes care of the small health hazardous particles, H13-filter. In order to reach maximum suction capacity the SD2800 is equipped with the Jet-pulse filter cleaning system. The longopac bag system is the smart way to handle the collected material.



**SD1300 Dust Collector**

Traxx SD1300 is known for good suction capacity and high reliability. The cyclone separates the rough material before any filter is changed. The rough filter package is made of washable and durable textile filter socks. The micro filter takes care of the small health hazardous particles, H13-filter. (Hepa classification). In order to reach maximum suction capacity the SD1300 is equipped with the Jet-pulse filter cleaning system. Longopac bag system is the smart way to handle the collected material.



**DS6000 & DS3000 Dust Separator**

Add a dust separator to dramatically increase the service interval of dust collector filters.



**Traxx Combi Clean**

For that perfect clean up between polishes or to maintain the perfect floor.



**DE25 Wet/Dry Vacuum Dust Extractor**

Purpose-built to work in conjunction with our power tools, the DE25 Wet/Dry System has integrated switching for tools up to 2200W.



**GVS 70**

70 Litre capacity wet/dry, stainless steel drum, heavy duty vacuum cleaner. 2 x 1200W motors. Separate outlet for auxiliary tools.



**GVS 90**

90 Litre capacity heavy duty plastic drum. 2 x 1200W motors wet/dry auxiliary power outlet.



# TRAXX FLOOR

## The ULTIMATE concrete finish

TraxxFloor is a process that leads to the ultimate desired polished surface for just about any application.

TraxxFloor is used in showrooms, reception areas, entertaining venues, supermarkets, hospitals and private homes.

TraxxFloor involves a process of grinding, filling of voids, hardening of the surface, then polishing to a desired gloss and finally, sealed for perfection and long life.

With the following of simple maintenance procedures, TraxxFloor can last a lifetime.

For a full step-by-step guide to TraxxFloor, visit [www.traxxcp.com.au](http://www.traxxcp.com.au)

### Traxx Guide to Polished Floors

**STEP-BY-STEP PROCESS**

**STEP 1**

Assess hardness of concrete.

**STEP 2**

- a. Grind with TraxxLok Metal Bond segments: 16 mesh, 40 mesh, 80 mesh - use with CFQ.
- b. 120 mesh, 200 mesh - use with TraxxGrout.

**STEP 3**

Apply TraxxHard to increase the density of the concrete allowing for a higher gloss finish once polished.

**STEP 4**

Resin Polish with Traxx Diamond Resin Pads: 50 grit, 100 grit, 200 grit, 400 grit, 800 grit, 1500 grit, 3000 grit.

**STEP 5**

Seal with TraxxSeal.

**STEP 6**

Buff floor with Traxx Combi Clean.

**PRODUCTS USED**



**TraxxGrout**

**TraxxHard**



**TraxxSeal**



# Selecting the right tool for the job

## STEP 1

Fully assess the job conditions, requirements and expectations, including surface to be worked, desired finish required, time frames for completion, access and environmental controls.

## STEP 2

Select the right machine to provide the desired outcome.

## STEP 3

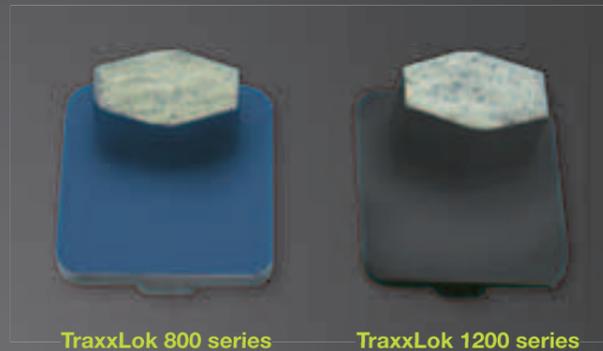
### SELECTING THE DIAMOND TOOL

After determining the condition and hardness of the material to be ground, select a tool from the following.

- a. For extreme hard surfaces or for removing epoxies, paints and some grouts, PCD diamond segments may be the best choice.

- b. If moving directly to sintered diamond segments, select the bond hardness from the charts below.

- c. Now select from our two performance series available - 800 series or 1200 series. All 800 series segments are a full 13mm diamond height and designed to provide premium performance and low cost grinding. 1200 series segments are a full 18mm diamond height, with a higher grade of diamond and higher concentration, designed to provide the lowest possible cost per square metre, where higher powered machines are used.



- d. You can now select from single or double segment plates. The latter is recommended when high powered machines are in use or where softer grinding conditions are encountered.



- e. Finally, select the appropriate mesh or grit size for job specification. You can select from M16# (10-20 grit), M40#, M60#, M80# and M120#. The lower the number, the coarser the mesh size and the greater the stock removal will be. The higher the number, the smoother the surface will finish up.

## STEP 4

### CHEMICAL SELECTION

If the surface being worked requires a super hard, supremely polished and fully sealed surface, you can select from a range of chemical treatments to provide that superb result.

## STEP 5

To assist with the ultimate fully polished floor, resin based diamond polishing pads must be used to bring the floor to the desired level of finish.

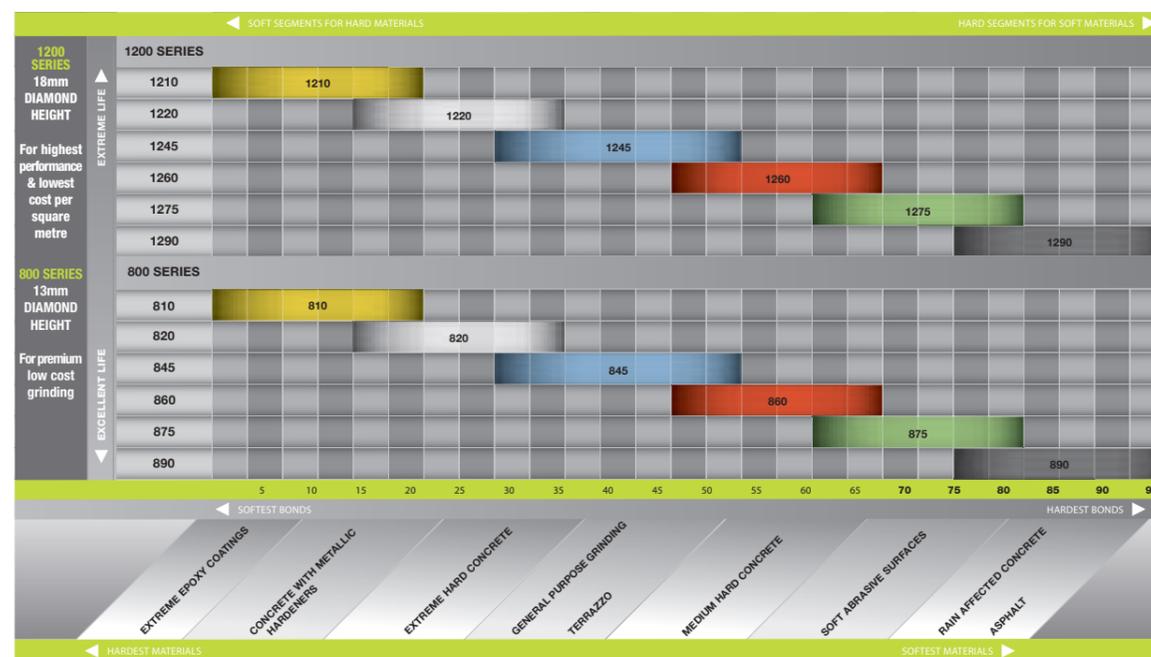
Select resin pads from the range available, commencing with the very unique High Diamond Concentration (HC) 50# and 100#. These grit sizes are also available in standard concentration.

The range available is 50# or 50#HC, 100# or 100#HC, 120#, 200#, 400#, 800#, 1500# and 3000#.

All Traxx Resin pads are colour co-ordinated for easy identification, and have a full 9mm on diamond depth (HC is 5mm).



# Tool Selection Chart



# Traxx Chemicals

A complete range of chemicals are available for all applications, packaged in 5 or 20 litre packs or can be supplied in bulk if required.

## TraxxGrout

TraxxGrout is a premixed material primarily designed to assist in the filling of small holes and cracks in concrete floors. The TraxxGrout is applied to the surface being ground, causing a mild reaction with the concrete. This generates a slurry that is then reground back into the surface, thus providing the filling of the voids.

## TraxxGrout-Plus

TraxxGrout-Plus is a 100% concentrated version of TraxxGrout and allows the applicator to mix the desired strength to enable a quicker reaction with the surface, where required. TraxxGrout is an integral part of the complete polished floor process.

## TraxxGrout-Plus Li

A fast action grouting material that cuts time by 60% compared to TraxxGrout-Plus.

## TraxxHard

TraxxHard is a silica based material that reacts with the concrete being polished or treated, to provide a significant increase in density, thus hardness of the surface. This in turn allows for a much higher level of gloss finish to be achieved on the worked surface.

## TraxxSeal

TraxxSeal is a premium grade surface impregnator that inhibits the ingress of most materials that are likely to stain the surface.

## TraxxSeal-Plus

TraxxSeal-Plus is the Super Premium impregnation sealer that provides a virtually impenetrable barrier to almost all materials that could possibly stain the surface being treated. Ideal for all types of concrete and masonry. TraxxSeal-Plus is normally applied as the final step in the polishing process.

# We've got everything covered...

Your one stop shop for all Surface Preparation Machines, Tools & Chemicals.



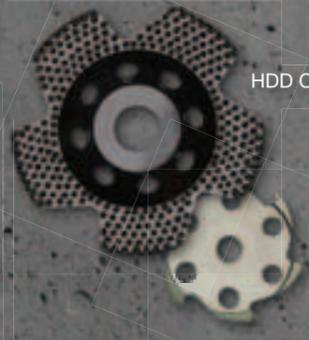
Traxx offers a complete range of tools and accessories for all surface preparation challenges.

- > Power tools for grinding/drilling and polishing.
- > Dust collection shrouds.
- > Hand polishing pads for concrete, granite and marble.
- > Backing pads for polishing pads.
- > Diamond cup wheels.
- > PCD tools.
- > Professional quality resin pads in all mesh sizes.
- > Grinding wheels and wedge blocks for every application.

Grinding and Polishing tools for all machines  
A complete range of metal and resin bond diamond tools for all aspects of Surface Preparation.



Traxxlok Segments  
To suit all grinding applications. Quick release at it's best.



HDD Cup Wheels



Scratch and Claw  
PCD and DBT pads.

Resin Pads  
For floor polishing.  
Wet/dry.



## Metal and resin bond polishing pads and tools



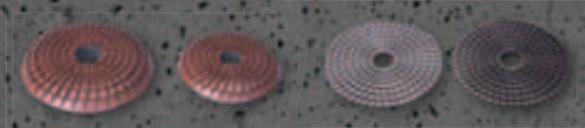
Ring Resin Pads



Six Step Diamond Polishing Pads



Five Edge Polishing Pad



Lippage Pads

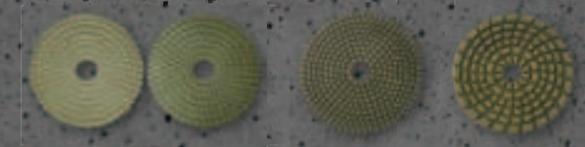


Floor Polishing Pads



Slab Polishing Discs for NC

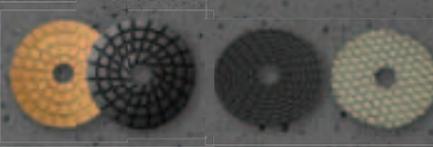
Resin Polishing Pads



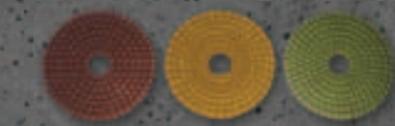
Engineered Stone Polishing Pad



Dry Polishing Buff



Convex Pads



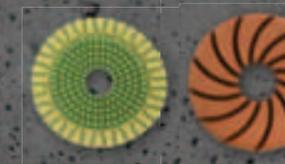
Dry Polishing Pad



Edge Polishing Pad



Copper Polishing Discs



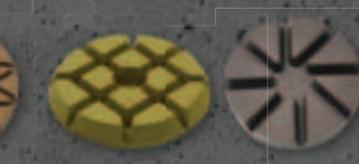
DURA Floor Polishing Tools



Wet Polishing Drum Wheel



Dry Polishing Drum Wheel



Diamond Impregnated Buffing and Cleaning Pads



Vitrified Polishing Tools

## A full diamond plug range for every application and machine



## PCD and PCD shard segments and discs



**A full range of power tools for edging, polishing, bush hammering and scouring.**



EP5LFB Concrete & Stone Grinder

For all wet and dry grinding and polishing applications, using resin and metal bond diamond tools.



EP7FB Concrete and Stone Grinder

The heavy duty version of the EP5LFB, designed for the professional.



BH92 Rotary Bushhammer

This Rotary Bushhammer is designed for texturing and roughening of smooth stone surfaces. This is especially important for performing operations to create anti-slip surfaces on stone floors and steps. Full diamond tool options also available.



Stone Grinder

The EP5LFB Stone Grinder is an ideal tool for grinding and polishing stone. The machine is light and comfortable to handle. The speed is adjustable by thumb wheel to suit the needs of different materials and the feedback electronic speed stabilization maintains an even speed under all loads.



SM125 Scouring Machine

Designed for roughing of concrete and masonry surfaces using diamond cup wheels or flair systems.



LG125 Long Reach Diamond Grinder

The new 125mm wheel capacity Long-Reach Diamond Grinder is only 3.8 kg but boasts a motor that is very powerful at 1200W with feedback electronic speed stabilization.



## A revolution in diamond cutting, drilling and grinding



Traxx CFQ is an innovative lubricant specifically formulated for sintered diamond tooling. Developed over the past 20 years and extensively tested, Traxx CFQ has proven exceptionally effective.

Independently verified studies have shown significant increases in cutting speeds and substantial reductions in blade wear.

CFQ, when lightly sprayed on a concrete surface is proven to extend significantly the life of the tool, enable the tool and machine to work under much less load and stress and more importantly, dramatically reduce time taken to grind particularly hard glazed surfaces.

**CFQ is truly a revolution.**

A full range of Pump and Venturi systems are available for application of CF and CFQ products.



### Diamond cup wheels for any application



SEG Cup Wheel 4", 5" & 6"



Hybrid Cup Wheel 4", 5" and 6"



Stealth Cup Wheel 4"-7"



Twister Graphite Cup Wheel 4", 5" and 6"



Super X Cup Wheel



T.Seg Cup Wheel



Soft Touch Cup Wheel



Tuff Convex Cup Wheel 4", 5" and 6"



Twister Cup Wheel 4", 5" and 6"



Swirly Cup Wheels

**Dust shrouds for grinding and sawing**





Traxx Construction Products Pty Ltd  
Unit 4/1 Rocklea Drive, Port Melbourne, Victoria 3207, Australia  
T +61 (0) 3 9646 9200 | F +61 (0) 3 9645 6942 | E sales@traxxcp.com.au  
Please visit [www.traxxcp.com.au](http://www.traxxcp.com.au)