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Concrete Preparation

Professional Machines for a high quality finish

Concrete Preparation

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Power Trowel

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Accessories



Introduced in 2002, the CopperHead is a Laser Screed® that can be taken to places other Laser Screeds couldn't reach! [More »](#)

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Poker Vibrators

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Mechanical Poker Vibrator

The VMP poker vibrators are high frequency units for effective consolidation of concrete. The VMP has a high vibration output at low service and maintenance cost. VMP pokers incorporate the pendulum design principle of low rotation speed of the flexible shaft and high frequency in the vibrator tube. [More »](#)



Built-in invertors

High frequency poker vibrator with integrated inverter
No need for separate convertors anymore, this new generation offers you a poker and electronic inverter integrated into one machine. [More »](#)



External convertors

A 42v electric high frequency poker with integral high performance motor. The BGN poker runs off a low voltage system and provides high performance air removal from concrete. [More »](#)



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Mechanical Poker Vibrator

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The VMP poker vibrators are high frequency units for effective consolidation of concrete. The VMP has a high vibration output at low service and maintenance cost. VMP pokers incorporate the pendulum design principle of low rotation speed of the flexible shaft and high frequency in the vibrator tube.

Highest quality is guaranteed as latest technologies, precision CNC engineering, metallurgical treatment methods and stringent quality control are exercised at the IAN DICKIE & CO. factory. All exposed steel components are tempered. The vibrator tube and end cap are manufactured from specially tempered steel allowing highest resistance to wear. Polyurethane caps are available on request.

The flexible transmission shaft rotates at 2900rpm.

Coupling

Twin ball bearing equipment with tempered coupling jaws. One size fits all drive units.

Inner transmission shaft

Four layers of specially spun steel on core for maximum flexibility and strength. Standard length - 5m. Extension shafts available as required.

Outer cover

High tensile steel spring spiral. Liner coated with weathering and abrasion resistant synthetic rubber compound.

Specifications

Type	VMP 26	VMP 36	VMP 48	VMP 62
Tube Diameter	26	36	48	62

(mm)

Tube Length (mm)	292	301	325	368
Amplitude (mm)	0.8	1.0	1.15	1.25
Frequency (vibr/min)	12 000	12 000	12 000	11 000
Weight kg	13	21	24	25

Drive Units

Powered by either 1.6kW -6kW petrol, diesel or electric motors. Mounted on a lightweight framework made of high strength tubular steel.

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Built-in invertors

Lievers LHF-E

Built-in Invertors PDF

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High frequency poker vibrator with integrated inverter
No need for separate converters anymore, this new generation offers you a poker and electronic inverter integrated into one machine.

Features & Benefits

- Direct connection to 230v/single phase/50Hz sec. voltage 230 v/3 phase/200Hz
- Built-in light weight inverter
- Earth leakage switch and full protection against overload
- Electronic components protected against shock, vibration and moisture
- Inverter is fully waterproof and protected against dust and water



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External invertors

BGN Turbo Pokers

External Invertors PDF

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A 42v electric high frequency poker with integral high performance motor. The BGN poker runs off a low voltage system and provides high performance air removal from concrete.

Specifications

Model	BGN TURBO 65	
Poker Diameter	(mm)	65
Head Length	(mm)	425
Frequency	(Hz)	200
Vibrations per min	(rpm)	11500
Centrifugal Force	(N)	7775
Supply Current	(Amps)	15.5
Weight	(kg)	8.15

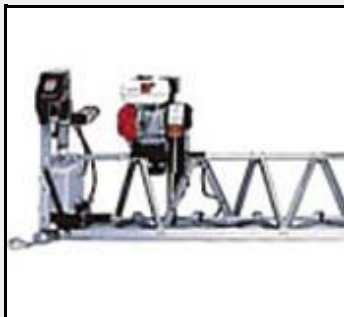


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Screeds

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Blitz Screed

Blitzscreed is the state of the art in vibratory truss screeds. The Blitzscreed is set up and cleaned in roughly half the time of other screeds. All bolted construction eliminates weld failure. Patented offset eccentric shaft/bearing design results in uniform vibration and extends bearing life. Patented quick coupling method. Precision machined cast A-frame handles stresses in all planes. Blitzscreed sections can be combined to produce screeds up to 75 feet. Blitzscreed is available in engine driven or pneumatic models with hand and auto winch options. [More >](#)



ScreeDemon

The ScreeDemon has no flex or rigid shaft connection. A simple, durable, low cost rubber isolator drives the eccentric. ScreeDemon bar is extremely rigid and minimizes variability in the transmission of vibration. ScreeDemon goes together and is disassembled in seconds. Hand/arm vibration is 50 to 90% lower than competitive screed winch options. [More >](#)



Roller Strike

The Roller Striker strikes off and finishes concrete slabs easily. A spinning tube pulls up the surcharge of concrete as it goes. The spinning roller action leaves aggregate near the surface resulting in a very strong floor, ready for power trowelling if required. [More >](#)



Power rake

Faster: Dump concrete faster than ever. The PowerRake allows you to push or pull large piles of concrete effortlessly

Flatter: Plase concrete to +/- 6 mm accuracy. Use a PowerRake ahead of screeding to achieve a much flatter strike-off

Fewer: You will place more concrete with fewer men.[More »](#)



Laser Screed

The Copperhead XD allows you to make long continuous screed runs

When concrete is placed accurately you will achieve excellent hourly production rates, that rival ride-on laser screeds..[More »](#)

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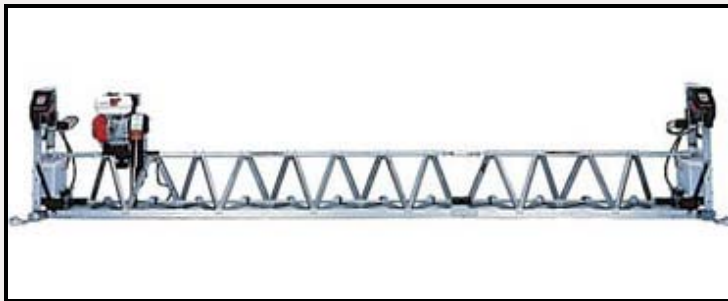


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Blitz Screed

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Blitzscreed is the state of the art in vibratory truss screeds. The Blitzscreed is set up and cleaned in roughly half the time of other screeds
 All bolted construction eliminates weld failure
 Patented offset eccentric shaft/bearing design results in uniform vibration and extends bearing life
 Patented quick coupling method
 Precision machined cast A-frame handles stresses in all planes
 Blitzscreed sections can be combined to produce screeds up to 75 feet
 Blitzscreed is available in engine driven or pneumatic models with hand and auto winch options

Specifications

Model	MV52	MV54	MV58
Length	.71m	1.32m	2.54m
Width	38cm	38cm	38cm
height	41cm	41cm	41cm
Weight per foot	4.7kg	4kg	3.6kg
Vibration	2600vpm	2600vpm	2600vpm



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ScreeDemon

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The ScreeDemon has no flex or rigid shaft connection
 A simple, durable, low cost rubber isolator drives the eccentric
 ScreeDemon bar is extremely rigid and minimizes variability in the transmission of vibration
 ScreeDemon goes together and is disassembled in seconds
 Hand/arm vibration is 50 to 90% lower than competitive screedswinch options

Specifications

Model	WS500H	WS500R
Operating weight	13.2kg	13.2kg
Engine make	Honda	Robin
Max rated power	1.5hp(1.12kW)@7000rpm	1.9kW@7000rpm
Displacement	31cm	33.4cm
Fuel tank capacity	0.641	0.641



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Roller Striker

Roller Striker 3.66m to 8m roller tubes
Hydraulic or air power driven



The Roller Striker strikes off and finishes concrete slabs easily. A spinning tube pulls up the surcharge of concrete as it goes. The spinning roller action leaves aggregate near the surface resulting in a very strong floor, ready for power trowelling if required

Specifications

Model	Hydraulic Drive	Pneumatic Drive
Drive Power (hp/kW)	3/22	3.5/2.6
Max Drive Speed (rpm)	500	250
Pressure Required	140bar	90psi
Flow Required	30l/min	50cfm
Weight	24	29

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Power Rake

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Faster: Dump concrete faster than ever. The PowerRake allows you to push or pull large piles of concrete effortlessly

Flatter: Place concrete to +/- 6 mm accuracy. Use a PowerRake ahead of screeding to achieve a much flatter strike-off

Fewer: You will place more concrete with fewer men

Specifications

Width	212cm at head 101cm at wheels
Length	268cm
Height	134cm without masts
Weight	406kg with rake head
Ground Clearance	29cm under frame
Engine	13.5hp – Robin America EH41
Ground Clearance	29cm under frame
Start	electric start with secondary pull cord
Control	manual throttle and choke with electric shut off
Propel	4 wheel drive with hydraulic motors
Plow Elevation Control	laser control of head via cylinder head lift
Head Lift	5cm hydraulic cylinder and manual switch

Plow Angle Control electronic levelling sensor cylinder

Steering Control proportional joystick and valve driving a hydraulic cylinder

Propulsion Control proportional joystick and valve driving motors

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Laser Screed

Copperhead XD 2.0

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Faster –screed 371.6 sq meters per hour

The Copperhead XD allows you to make long continuous screed runs. When concrete is placed accurately you will achieve excellent hourly production rates, that rival ride-on laser screeds.

Flatter – screed FL 30's or better!

The CopperheadXD continually and automatically adjusts to laser elevation. With careful placement, your team will achieve high tolerances on a routine basis.

Fewer – screed with a 3 man screed team

Eliminating wet pads, screed rails and set up time allows you to significantly reduce man hours. You will experience a lot fewer worker related hassles such as injuries, workers compensation claims etc

Specifications

Width	212cm at head 91cm
Length	279cm
Height	110cm
Weight	363kg with screed head
Screed head width	3.04m
Engine	13.5hp – Robin America EH41
Electric start	standard

Self propel standard

Auto level standard

Power steer standard

Vibrator soft start standard

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Power Trowel

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Walk Behind

Multiquip's Whiteman-Series Power Trowels continue to be the number one choice of the concrete industry. With over 60 years of manufacturing experience, no other power trowel can match our quality, reliability or performance..[More »](#)



Ride On

The industries most efficient gearboxes deliver optimum performance during pan floating or final finishing. Their cool running design virtually eliminates problems caused by overheating under harsh operating conditions. Power is supplied by either a 34HP gasoline engine that spins five blade rotors to a top speed of 160 rpms.[More »](#)



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Walk Behind Power Trowel

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Walk-Behind Power Trowels

Multiquip's Whiteman-Series Power Trowels continue to be the number one choice of the concrete industry. With over 60 years of manufacturing experience, no other power trowel can match our quality, reliability or performance.

THE B-SERIES

46 inch width-The Classic.
High horsepower engines and nearly 4-ft of rotor coverage has made this trowel the favourite of concrete contractors for generations.

Features:

- High capacity gearbox
- Safety shut off switch
- Height adjustment for handlebar
- Removable weights
- Heavy duty centrifugal clutch
- Quick pitch blade adjustment
- Ergonomic throttle control
- Long lasting spider assembly

Specifications

Model	BA-4-88H
Blades	4
Ring Diameter cm	117
Engine	Honda
HP	8.0
Rotor rpm	60-125

Operating weight kg	110
----------------------------	-----

Ship weight kg	132
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Ride on Power Trowel



Ride- on power trowels

The industries most efficient gearboxes deliver optimum performance during pan floating or final finishing. Their cool running design virtually eliminates problems caused by overheating under harsh operating conditions. Power is supplied by either a 34HP gasoline engine that spins five blade rotors to a top speed of 160 rpm.

Features:

- Operator is able to view finishing surface through frame
- Halogen lights provide illumination for night time or indoor work.
- Frame design allows quick access to fill ports and filters.
- Built in lifting points for balanced lifting.
- Single engine design reduces service time and maintenance problems.
- Adjustable seat provides essential back support.
- Automatic shutdown under seat in case of emergency.

Specifications

Model	HHN-31V-TCSL5
Engine	Vanguard
Engine Cooling	Liquid
HP	31
Blades per Rotor	5
Rotor rpm	40-160
Path width cm	231
Fuel Tank Capacity ltr	19
LxWxH	241 x 122 x 117

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Operating weight kg 508

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Ian Dickie Product Overview

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BIG BLUE FLOAT

A blue carbon steel float to provide a smooth finish. When used in combination with a screed machine the requirement to powerfloat is often unnecessary, for example house bases, garages, condominiums. The big blue is supplied complete with Worn drive pitch control and three handle sections.



NO. Code	Sizes	Weight
111990	600mm x 300mm	Kg. 4,4
111991	900mm x 300mm	Kg. 5,7
111992	1200mm x 300mm	Kg. 7,0
111993	1500mm x 300mm	Kg. 8,3
111994	1800mm x 300mm	Kg. 9,6
111995	2400mm x 300mm	Kg. 12,2



NO. Code	Sizes	Weight
----------	-------	--------

111200	600mm x 300mm	Kg. 2,6
111201	900mm x 300mm	Kg. 3,9
111202	1200mm x 300mm	Kg. 5,2
111203	1500mm x 300mm	Kg. 6,5
111204	1800mm x 300mm	Kg. 7,8
111205	2400mm x 300mm	Kg. 10,4



No. Code	Size
----------	------

111551	900mm x 300mm With broom & adaptor kit
111552	1200mm x 300mm With broom & adaptor kit

TEXAS PLACER

A heavy duty grading tool available with steel or aluminium blade, with wood handle.



NO. Code	Sizes	Weight
009988	Steel placer	Kg. 1,7
009989	Aluminium placer	Kg. 1,7

HEAVY DUTY BUMPCUTTER

[Highway Straight Edge]

For high tolerance floors.
 The tool for smoothing and flattening the surface of plastic concrete.
 Usually specified for producing "Super Flat" specifications.
 Comes complete with worm drive pitch control and stainless steel outrigger set.



NO. Code	Sizes	Weight
101026	3000 x 50 x 120mm	Kg. 13,0
101027	3650 x 50 x 120mm	Kg. 14,0

CONCRETE SQUEEGIE

For removing excess water from the concrete surface



NO. Code	Sizes	Weight
066060	2000mm	Kg. 6,0

FRESNO BROOMS

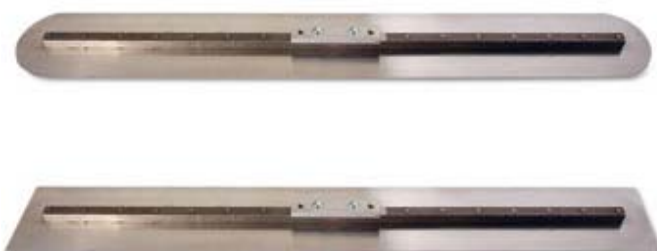
A steel float complete with radius arms and a texturing broom for concrete brush work.
 Brush is made from hard wearing polybristle.
 Complete with worm drive pitch control and handles.



No.Code		Sizes
Square-end	Round-end	
730040	750055	900mm x 120mm With broom & adapter kit
730041	750056	1200mm x 120mm With broom & adapter kit
730042	750057	1500mm x 120mm With broom & adapter kit



No.Code	Sizes	Weight
Square-end	Round-end	
505221	700044	900mm x 120mm Kg. 4,3
505222	700045	1200mm x 120mm Kg. 5,2
505223	700046	1500mm x 120mm Kg. 6,1



No.Code	Sizes	Weight
Square-end	Round-end	
770066	790073 900mm x 120mm Blade only	Kg. 2,5
770067	790074 1200mm x 120mm Blade only	Kg. 3,4
770068	790075 1500mm x 120mm Blade only	Kg. 4,3

The steel float can be purchased without the broom and broom adaptor kit for fine concrete trowelling.

LIGHTWEIGHT BULLFLOAT

These lightweight and hard wearing bullfloats are made from the finest extruded material. Multi-ribbed for strength. The blades have the option of round-end to prevent digging in the concrete or square-end if desired. Complete with worm drive control and handles.



No.Code	Sizes	Weight
Square-end	Round-end	
3300777	350083 900mm x 120mm	Kg. 4,6
330778	350084 1200mm x 120mm	Kg. 5,6
330779	350085 1500mm x 120mm	Kg. 6,6





No.Code		Sizes	Weight
Square-end	Round-end		
330123	350095	900mm x 120mm Blade only	Kg. 2,8
330124	350096	1200mm x 120mm Blade only	Kg. 3,8
330125	350097	1500mm x 120mm Blade only	Kg. 4,8

The lightweight bullfloat is available with an adaptor kit to enable the use of the fresno broom for brush finish.



No.Code		Sizes	Weight
Square-end	Round-end		
330267	350072	900mm x 120mm With broom & adapter kit	
330268	350073	1200mm x 120mm With broom & adapter kit	
330269	350074	1500mm x 120mm With broom & adapter kit	

WORM DRIVE PITCH CONTROL

[Supplied on all tools]

This isometric design heavy duty aluminium worm drive gear head, holds the blades at the desired angle for easy floating.

The blade angle can be quickly xhanged with a turn of the handle.



No. Code	Weight
----------	--------

003300	Kg. 1,8
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ALUMINIUM SNAP HANDLE

Each tool comes complete with 3 x 1800mm. handles with snap lock connectors. Each handle is coated in plastic paint for protection from metal deposits.



No. Code	Sizes	Weight
----------	-------	--------

000055	1800mm x Ø45mm	Kg. 1,0
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000057	Replacement snap	
--------	------------------	--

BROOM

Manufactured from hard wearing polybristle for a long service life and easy cleaning.



No. Code	Sizes
800800	900mm Replacement hard or soft broom
800801	1200mm Replacement hard or soft broom
800802	1500mm Replacement hard or soft broom

BROOM ADAPTOR KIT

Allows the concrete broom to be fitted to either the frasn blade, bullfloat blade or big blue blade.



No. Code	Sizes
200444	900mm Adaptor kit
200445	1200mm Adaptor kit
200446	1500mm Adaptor kit

BLADES FLOATS PANS

BTC Trowel blades are made with the highest quality carbon, abrasive resistant, flexible steel to provide a good balance of life and close texture finishing. We can supply blades for most major Trowel types, BTC Float Pans are manufactured from high grade steel to offer excellent life for both single and double Trowel applications.

FINISH



No. Code	Sizes
000201	4 3/4" x 9"

000202	4 3/4" x 11"
000203	6" x 14"
000204	6" x 18"
000205	6" x 18" (Bracket 18mm x 18mm)

COMBINATION



No. Code	Sizes
000191	8" x 14"
000192	8" x 18"
000193	8" x 18" (Bracket 18mm x 18mm)

FLOAT



No. Code	Sizes
000171	10" x 14"
000172	10" x 18"
000181	10" x 14" (Left Hand)
000183	10" x 18" (Left Hand)

FLOAT PAN



No.Code	Sizes	Thickness
000224	Ø 600mm 24" (4 Brackets)	mm. 2,0
000225	Ø 750mm 30" (2 Brackets)	mm. 2,5
000226	Ø 900mm 36" (8 Brackets)	mm. 3,5

SEALING JOINT

The perfect product for joint sealing. The plastic sealer offers good elasticity in the joint as well as providing a pleasing aesthetic finish to the floor.



Standard black colour

STANDARD SIZES

Disc Type	Disc Thickness	Joint Width	Roll Lenght (mt)
Diamond Cut	2,4mm.	3mm.	400mt.
		3,5mm.	400mt.
		3,8mm.	400mt.
Diamond Cut	2,8mm.	4mm.	300mt.
		4,2mm.	300mt.
Diamond Cut	3,2mm.	4,6mm.	300mt.
		5,2mm.	200mt.

Abrasive 4,0mm. 5,4mm. 200mt.

JOINT LAYINY TROLLEY

The trolley allows easy and rapid application of the above plastic sealant. Joints can be sealed in the time it takes to walk the length of the joint



SIZE

CM. 60 x 35 x 93

MATERIAL SPREADER

Heavy duty spreader machine taking up to 100Kg. of topping material. Discharge between 1Kg. to 5Kg. of material per square metre. Extra wide solid wheels which can forward and reserve independant of each other to assist manouvering the spreader in closed spaces and for ease of turning.

The major benefits of using the BTC spreader are:
No wastage of topping material as accurate quantity per square metre is applied.
Accuracy of topping placement - material will be applied in an even thickness to the entire floor area.
Healthy environment for the applicators - as the material is discharged directly at floor level there is very little dust raised into the atmosphere.



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