

GRINDING GUIDE

FOR A PERFECT

GRINDING RESULT



SCANMASKIN
MACHINES—MINERALS—KNOW-HOW

SCAN COMBIFLEX 330

516000 SCAN COMBIFLEX 330 230V 1-PHASE | 516070 SCAN COMBIFLEX 110 V 1-PHASE | 516055 SCAN COMBIFLEX 330 400 V 3-PHASE | 516500 SCAN COMBIFLEX 330RS 230 V 1-PHASE | 516502 SCAN COMBIFLEX 330RS 110 V 1-PHASE | 516505 SCAN COMBIFLEX 330 RS 400 V 3-PHASE

The ScanCombiflex 330 (SC-330) is a powerful and easy to use machine, and is one of the most versatile machines on the market. The 330 mm / 13 inch single grinding disc is effective for grinding smaller areas, edging long stretches of the floor, lite coating removal and surface prep. A simple and quick adjustment allows the operator to change the configuration of the SC-330 from a small grinder into an edger, with the entire process taking less than one minute.

The 330 mm / 13 inch disc on the SC-330 can be configured with 3, 6, or 9 of our metal, ceramic, or resin bond diamond tools. This allows the machine to cut more aggressively when necessary, or grind softer surfaces by spreading out the weight and using more tools. For smooth and simple transport, the SC-330 can easily be separated into two parts, each weighing well under 100 lbs.

The ScanCombiflex 330 is available in several different power configurations, along as single and variable speed (RS - regulated speed)



TECHNICAL DATA

	SCAN COMBIFLEX 330 1-PHASE		SCAN COMBIFLEX 330 RS 1-PHASE	
Voltage:	110-120 V 1~	220-240 V 1~	110-120 V 1~	220-240 V 1~
Motor power:	1,5 kW / 2 hp	1,5 kW / 2 hp	1,1 kW / 1,4 hp	1,5 kW / 2 hp
Current:	20 Amp	10 Amp	15 Amp	10 Amp
Frequency:	60 Hz	50 Hz	60 Hz	50 Hz
Grinding speed:	750 rpm	600 rpm	150-400 rpm	250-750 rpm
Grinding disc:	1 x 330 mm / 1 x 13"	1 x 330 mm / 1 x 13"	1 x 330 mm / 1 x 13"	1 x 330 mm / 1 x 13"
Grinding width:	330 mm / 13"	330 mm / 13"	330 mm / 13"	330 mm / 13"
Weight:	65 kg / 143 lbs	65 kg / 143 lbs	70 kg / 154 lbs	70 kg / 154 lbs
Other:	CE-marking	CE-marking	CE-marking	CE-marking
	SCAN COMBIFLEX 330 3-PHASE		SCAN COMBIFLEX 330 RS 3-PHASE	
Voltage:	400 V 3~		400 V 3~	
Motor power:	4 kW / 5 hp		4 kW / 5 hp	
Current:	16 Amp		16 Amp	
Frequency:	50-60 Hz		50-60 Hz	
Grinding speed:	1430 rpm		250-1500 rpm	
Grinding disc:	1 x 330 mm / 1 x 13"		1 x 330 mm / 1 x 13"	
Grinding width:	330 mm / 13"		330 mm / 13"	
Weight:	65 kg / 143 lbs		70 kg / 154 lbs	
Other:	CE-marking		CE-marking	
Grinding pressure:	40 kg / 88 lbs		40 kg / 88 lbs	
Recommended vacuum:	Scan Dust 2900 / Scan Dust 3600		Scan Dust 2900 / Scan Dust 3600	

SCANMASKIN 18

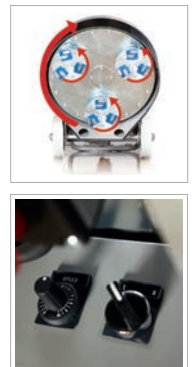
524580 SCANMASKIN 18 110 V 1-PHASE | 524518 SCANMASKIN 18 230 V 1-PHASE

The Scanmaskin 18 is designed to grind and sand different types of wood and concrete surfaces. This includes painted and damaged or old wood flooring along with new installations. The Scanmaskin 18 is a great solution for grinding both plank flooring and parquet floors.

Thanks to its size, the Scanmaskin 18 is a very smooth machine that you can easily get close to the wall. It is also equipped with adjustable speed so you can adjust your speed depending on the surface and tooling being used. Adjustable speed is important to have when sanding wooden floors or grinding and polishing concrete.

There's a large selection of tooling that can be used on the machine, mounted with either velcro holders or our custom ScanOn attachment. The ScanOn attachment system makes it quick and easy to change tooling. For smooth and simple transport, the Scanmaskin 18 separates into two compact pieces that can be loaded into a large car trunk.

An optional 22.5 kg / 50 lb weight is also available and increases productivity in most cases.



TECHNICAL DATA

Available in two versions: 110-120 V, max 15 Amp or 220-240V, 12 Amp.

Voltage:	110-120 V 1~	220-240 V 1~
Motor power:	1,1 kW / 1,4 hp	2,2 kW / 2,9 hp
Current:	15 Amp	12 Amp
Frequency:	50-60 Hz	50-60 Hz
Grinding speed:	200-500 rpm	300-750 rpm
Grinding disc:	3 x 160 mm / 3 x 6,5"	3 x 160 mm / 3 x 6,5"
Grinding width:	450 mm / 18"	450 mm / 18"
Weight:	95 kg / 210 lbs (grinding unit 65 kg / 145 lbs + handle 30 kg / 66 lbs)	95 kg / 210 lbs (grinding unit 65 kg / 145 lbs + handle 30 kg / 66 lbs)
Grinding pressure:	70 kg / 154 lbs	70 kg / 154 lbs
Other:	CE-marking	CE-marking
Recommended vacuum:	Scan Dust 2900	

SCAN COMBIFLEX 450

524510 SCAN COMBIFLEX 450 230 V 1-PHASE | 524511 SCANCOMBIFLEX 450, 110 V 1-PHASE

The ScanCombiflex 450 (SC 450) is a floor grinder which combines a small footprint with high productivity. It's similar to the Scanmaskin 18, but does not have variable speed or multi direction grinding heads. It is a versatile grinder for both aggressive and fine grinding of concrete and natural stone surfaces, and also very effective in removing thin coatings such as paint and dried carpet residues.

The SC 450 is a flexible and easy to use grinding machine, perfect for the rental market and smaller sized jobs with space constraints. This grinder is light yet durable, being constructed almost 100% from steel. The spring-steel flex heads reduces vibrations, and allows the machine to grind rough surfaces with minimal effort for the operator.

TECHNICAL DATA

Available in two versions: 110-120 V, 20 Amp or 220-240V, 10 Amp.

Voltage:	110-120 V 1~ or	220-240 V 1~
Motor power:	1,5 kW / 2 hp	1,5 kW / 2 hp
Current:	20 Amp	10 Amp
Frequency:	60 Hz	50 Hz
Grinding speed:	875 rpm	750 rpm
Grinding disc:	3 x 160 mm / 3 x 6,5"	3 x 160 mm / 3 x 6,5"
Grinding width:	450 mm / 17,5"	450 mm / 17,5"
Weight:	90 kg / 198 lbs	90 kg / 198 lbs
Other:	CE-marking	CE-marking
Recommended vacuum:	Scan Dust 2900	Scan Dust 2900
Grinding pressure:	72 kg / 158 lbs	72 kg / 158 lbs



SCAN COMBIFLEX 450NS

524502 SCAN COMBIFLEX 450NS 230 V 1-PHASE

The ScanCombiflex 450 NS (SC 450 NS) combines a compact size with power and high efficiency. The SC 450 NS comes standard with a built-in water tank for wet grinding, which makes this machine great for grinding of terrazzo and eliminates the need for an external water source.

SC 450 NS is flexible, easy to use, and suitable for both the rental market and smaller sized jobs with space constraints. The SC 450 NS also features variable speed, which is important for certain grinding and polishing applications.

The spring-steel flex heads reduces vibrations, and allows the machine to grind rough surfaces with minimal effort for the operator.

TECHNICAL DATA

Voltage:	230 V 1~
Motor power:	2,2 kW / 2,9 hp
Current:	12 Amp
Frequency:	50-60 Hz
Grinding speed:	500-1050 rpm
Grinding disc:	3 x 160 mm / 3 x 6,5"
Grinding width:	450 mm / 17,5"
Weight:	125 kg / 275 lbs
Grinding pressure:	72 kg / 158 lbs
Other:	CE-marking
Water tank:	18 liter
Recommended vacuum:	Scan Dust 2900



SCAN COMBIFLEX 500i

530000 SCAN COMBIFLEX 500i 400 V 3-PHASE

The ScanCombiflex 500i (SC 500i) is a highly effective and powerful machine despite its compact size. This single speed planetary machine is very reliable and simple to use. It is robust and works well for surface preparation work, such as rough grinding and coating removal.

There's a large selection of tooling that can be used on the machine, including everything from PCD scrapers to polishing resins. The ScanOn attachment system makes it quick and easy to change tooling. The SC 500i features 100% steel construction, along with our patented flex head system for reduced vibration and smooth operation on rough surfaces. The result is a reliable machine with minimal maintenance requirements.

An optional 22.5 kg / 50 lb weight is also available and recommended as it increases productivity in most cases.

TECHNICAL DATA

Voltage:	400 V 3~
Motor power:	4 kW / 5 hp
Current:	16 Amp
Frequency:	50-60 Hz
Grinding speed:	950 rpm
Grinding disc:	3 x 160 mm / 3 x 6,5"
Grinding width:	500 mm 20"
Weight:	150 kg / 330 lbs
Grinding pressure:	115 kg / 253 lbs
Other:	CE-marking
Recommended vacuum:	Scan Dust 3600



SCAN COMBIFLEX 500PD

530502 SCAN COMBIFLEX 500PD 230 V 1- PHASE | 530500 SCAN COMBIFLEX 500PD 400 V 3- PHASE

The Scan Combiflex 500 PD (SC 500 PD) comes standard with a built-in water tank for wet grinding, which makes this machine great for grinding of terrazzo and eliminates the need for an external water source. SC 500 PD is flexible, easy to use, and suitable for both the rental market and small to medium sized jobs with space constraints. The unit also features variable speed, which is important for certain grinding and polishing applications and makes it more aggressive in coatings removal.

There's a large selection of tooling that can be used on the machine, including everything from PCD scrapers to polishing resins. The ScanOn attachment system makes it quick and easy to change tooling. The SC 500 PD features 100% steel construction, along with our patented flex head system for reduced vibration and smooth operation on rough surfaces. The result is a reliable machine with minimal maintenance requirements.

An optional 22.5 kg / 50 lb weight is also available and recommended as it increases productivity in most cases.

TECHNICAL DATA

	STANDARD	1-PHASE
Voltage:	400 V 3~	230 V 1~
Motor power:	4 kW / 5 hp	4 kW / 5 hp
Current:	16 Amp.	30 Amp.
Frequency:	50-60 Hz	50-60 Hz
Grinding speed:	250-1150 rpm	250-1150 rpm
Grinding disc:	3 x 160 mm / 3 x 6,5"	3 x 160 mm / 3 x 6,5"
Grinding width:	500 mm / 20"	500 mm / 20"
Weight:	160 kg / 353 lbs	160 kg / 353 lbs
Grinding pressure:	110 kg / 242 lbs	110 kg / 242 lbs
Other:	CE-marking	CE-marking
Water tank:	18 liter	18 liter
Recommended vacuum:	Scan Dust 3600	Scan Dust 3600



SCAN COMBIFLEX 650

560003 SCAN COMBIFLEX 650 230 V 1- PHASE | 560002 SCANCOMBIFLEX 650 400 V 3-PHASE | 561503 SCAN COMBIFLEX 650DSP 230 V 1-PHASE | 561500 SCANCOMBIFLEX 650 DSP 400 V 3-PHASE

The ScanCombiflex 650 (SC 650) is a robust and stable machine made of steel, designed for both residential and commercial applications with its 650 mm / 25.6" grinding width. The SC 650 uses a patented planetary system to drive its three heads drum, which are powered by a double-sided cog belt and gear ring. This design helps reduce the amount of stress and torque on the operator.

The SC 650 features industrial grade components and is designed for durability and simple maintenance. This model can also be used for wet grinding with the included water connection valve (pressurized water hose required).

TECHNICAL DATA

	STANDARD	1-PHASE
Voltage:	400 V 3~	230 V 1~
Motor power:	7,5 kW / 10 hp	4 kW / 5 hp
Current:	16 Amp	30 Amp
Frequency:	50-60 Hz	50-60 Hz
Grinding speed:	350-1100 rpm	350-900 rpm
Grinding disc:	3 x 220 mm / 3 x 8,5"	3 x 220 mm / 3 x 8,5"
Grinding width:	650 mm / 25,6"	650 mm / 25,6"
Weight:	320 kg / 705 lbs	320 kg / 705 lbs
Grinding pressure:	180 kg / 396 lbs	180 kg / 396 lbs
Other:	CE-marking	CE-marking
Recommended vacuum:	Scan Dust 3600/8000 + 6000 Separator	Scan Dust 3600/8000 + 6000 Separator



SCAN COMBIFLEX 650 PROPANE

560500 SCAN COMBIFLEX 650 PROPANE | 560500WT SCAN COMBIFLEX 650 PROPANE WITH WATER TANK

The ScanCombiflex 650 PROPANE (SC 650 Propane) is a robust and stable machine, designed to be operated 100% from propane. This makes it very flexible in many different applications, since it has the ability to operate in virtually any environment (must be well ventilated or outside). The SC 650 Propane is great for outdoor applications where there are limited power options. Of course you can also use the machine indoors, but must have good cross ventilation for operator safety.

The machine is equipped with a 22 liter water tank which provides a self contained solution for wet grinding. This allows an operator to wet grind with no cables or hoses attached. With its additional weight and motor power, the SC 650 PROPANE is very powerful for its size yet efficient on fuel.

The SC 650 Propane uses a patented planetary system to drive its three heads drum, which are powered by a double-sided cog belt and gear ring. This design helps reduce the amount of stress and torque on the operator.

TECHNICAL DATA

	EUROPE	USA
Motor:	Kawasaki FX603	Kawasaki FX603
Motor power:	13,2 kW / 17,9 hp	13,2 kW / 17,9 hp
Propantank:	P11	9 kg
Grinding speed:	600-960 rpm	600-960 rpm
Grinding disc:	3 x 220 mm / 3 x 8,5"	3 x 220 mm / 3 x 8,5"
Grinding width:	650 mm / 25,6"	650 mm / 25,6"
Weight:	382 kg / 842 lbs	382 kg / 842 lbs
Other:	CE-märkt	CE-märkt
Water tank:	22 liter	22 liter



SCAN COMBIFLEX 800

581005 SCAN COMBIFLEX 800 230 V 3-PHASE | 581000 SCAN COMBIFLEX 800 400 V 3-PHASE | 581505 SCAN COMBIFLEX 800 DSP 230 V 3-PHASE | 581500 SCAN COMBIFLEX 800 DSP 400 V 3-PHASE

The ScanCombiflex 800 (SC 800) is a robust and stable machine made of steel, designed for high productivity in large areas. The SC 800 offers 800 mm (32in) of grinding power combined with 380 kg (838 lbs.) of weight, making it the perfect machine for commercial applications where you need a high capacity grinding. SC 800 is equipped with our patented drive system, which gives the machine a stable and smooth grinding process.

The SC 800 has three grinding heads, which spin in a counter-rotating configuration for increased efficiency and smooth operation. This allows the machine to grind or polish at higher speeds, while at the same time minimizing side torque and stress on the operator. The stable balance in the machine also reduces vibrations for the operator, and enables the machine to produce consistent results with minimal effort. The SC 800 also comes with a water connection so you can use it for wet grinding as well.

TECHNICAL DATA

	Standard	Alternative
Voltage:	400 V 3~	230 V 3~
Motor power:	11 kW / 15 hp	7,5 kW / 10 hp
Current:	32 Amp	32 Amp
Frequency:	50-60 Hz	50-60 Hz
Grinding speed:	500-1400 rpm	500-900 rpm
Grinding disc:	3 x 240 mm / 3 x 9,5"	3 x 240 mm / 3 x 9,5"
Grinding width:	800 mm / 32"	800 mm / 32"
Weight:	380 kg / 838 lbs	380 kg / 838 lbs
Grinding pressure:	240 kg / 529 lbs	240 kg / 529 lbs
Other:	CE-marking	CE-marking
Recommended vacuum:	Scan Dust 8000	Scan Dust 8000



SCAN COMBIFLEX 1000 RC / DSP

583000 SCAN COMBIFLEX 1000 RC / DSP 400 V 3-PHASE

The ScanCombiflex 1000 RC (SC 1000 RC) is the largest model in our line of grinding machines. It is a robust and very stable machine, made entirely of steel and designed for commercial applications.

The 1000 mm (40in) grinding footprint is perfect for large commercial applications where high productivity is necessary.

The SC 1000 RC is equipped with our patented drive system that enables a stable and smooth grinding.

The truly unique feature of the SC 1000 RC is the Bluetooth radio control system used for controlling motion and grinding speed. The rugged, heavy-duty remote control unit allows the operator to move, with a joystick, the machine in any direction and maneuver with precision in tight areas. You can also choose your speed and activate the "cruise control" for easier handling of vacuums and cables.

A radio-controlled machine provides a minimal load and no vibration for the operator while the grinding capacity of the number of square feet per hour increases dramatically. The built-in battery backup for the drive wheels makes it easy when loading and unloading, the battery automatically charges as soon as the machine is connected to electrical power. To make your work even easier you can mount an extra front wheel to be used when you move, load and unload the machine.

TECHNICAL DATA

Voltage:	380-480 V 3~
Motor power:	15 kW / 20 hp
Current:	32 Amp
Frequency:	50-60 Hz
Grinding speed:	300-950 rpm
Grinding disc:	6 x 240 mm / 6 x 9,5"
Grinding width:	1000 mm / 40"
Weight:	700 kg / 1543 lbs
Grinding pressure:	345 kg / 760 lbs
Radio Frequency:	Bluetooth
Other:	CE-marking
Recommended vacuum:	Scan Dust 8000 + 6000 Separator



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GRINDING IN THE FAST LANE



World Series is a product line of high quality machines and tools where the development has been characterized by inspiration and knowledge from all over the world. This premium range has focused on the end user and the end product. The main focus has been fast results with efficiency, service, quality and reliability.

SCANMASKIN 28 WORLD SERIES

572800 SCANMASKIN 28 400V 3-PHASE | 572805 SCANMASKIN 28 230V 3-PHASE | 572850 SCANMASKIN 28 RC 400V 3-PHASE | 572855 SCANMASKIN 28 RC 230V 3-PHASE

The Scanmaskin 28 World Series is a grinding machine in the World Series line with a 28 inch (700mm) large grinding head. The Scanmaskin 28 World Series has a fully casted machine house, giving long durability and dust-free operation. The construction of the machine is designed to facilitate service as you only need to loosen three screws to gain access to the entire machine house. The Scanmaskin 28 World Series machine is equipped with a new tool head which in turn gives a more efficient grinding result.

The wheels on the Scanmaskin 28 World Series are 14,5 inch (370 mm) and can be quickly disengaged for manual operation. The wheels are also adjustable both front and rear, allowing the operator to increase or decrease the grinding pressure. The Scanmaskin 28 World Series is available in a basic version and a radio control and smart display version. The smart display assists throughout the grinding process by providing the operator real-time feedback on tooling wear and operational speed. The radio controls allow the operator to make accurate adjustments while maintaining consistent production.

All of these unique advantages make the Scanmaskin 28 World Series Grinder one of the fastest and most efficient grinding machines on the market, maximizing overall production hours and minimizing maintenance time.

Available in 1-phase in both standard and remote controlled version. Great if you have limited access to 3-phase network.

TECHNICAL DATA

	Standard	Remote Controlled
Versions:	SM 28 230V / SM 28 400V	SM 28 RC 230V / SM 28 RC 400V
Voltage:	230 V 3~ (1~) / 400 V 3~	230 V 3~ (1~) / 400 V 3~
Motor power:	7,5 kW (10 hp)	7,5 kW (10 hp)
Current:	50 Amp / 16 Amp	32 Amp / 16 Amp
Frequency:	50 / 60 Hz	50 / 60 Hz
Grinding speed:	200-800 rpm	200-800 rpm
Grinding disc:	3 x 220 mm / 3 x 8,6"	3 x 220 mm / 3 x 8,6"
Grinding width:	700 mm / 28"	700 mm / 28"
Weight:	580 kg / 1344 lbs	610 kg / 1344 lbs
Grinding pressure:	325 kg / 716 lbs	329 kg / 725 lbs
Water tank:	20 l	20 l
Other:	CE-marking	CE-marking
Recommended vacuum:	Scan Dust 8000 + 6000 Separator	Scan Dust 8000 + 6000 Separator



SCANMASKIN 32 WORLD SERIES

583200 SCANMASKIN 32 400V 3-PHASE | 583205 SCANMASKIN 32 230V 3-PHASE | 583250 SCANMASKIN 32 RC-DSP 400V 3-PHASE | 583255 SCANMASKIN 32 RC-DSP 230V 3-PHASE

The Scanmaskin 32 World Series is the largest grinding machine in the World Series line with its 32 inch (800mm) large grinding head. The Scanmaskin 32 World Series has a fully casted machine house, giving long durability and dust-free operation. The construction of the machine is designed to facilitate service as you only need to loosen three screws to gain access to the entire machine house. The Scanmaskin 32 World Series machine is equipped with a new tool head which in turn gives a more efficient grinding result.

The wheels on the Scanmaskin 32 World Series are 14,5 inch (370 mm) and can be quickly disengaged for manual operation. The wheels are also adjustable both front and rear, allowing the operator to increase or decrease the grinding pressure. The Scanmaskin 32 World Series is available in a basic version and a radio control and smart display version. The smart display assists throughout the grinding process by providing the operator real-time feedback on tooling wear and operational speed. The radio controls allow the operator to make accurate adjustments while maintaining consistent production.

All of these unique advantages make the Scanmaskin 32 World Series Grinder one of the fastest and most efficient grinding machines on the market, maximizing overall production hours and minimizing maintenance time.

TECHNICAL DATA

	Standard	Remote Controlled
Versions:	SM 32 230 V / 400 V	SM 32 RC 230 V / 400 V
Voltage:	200 - 240 V 3~ / 380-480 V 3~	200 - 240 V 3~ / 380-480 V 3~
Motor power:	11 kW / 15 kW (15 hp / 20 hp)	11 kW (15 hp)
Current:	50 Amp / 32 Amp	50 Amp / 32 Amp
Frequency:	50 - 60 Hz	50 - 60 Hz
Grinding speed:	200-825 rpm	200-825 rpm
Grinding disc:	3 x 280 mm / 3 x 11"	3 x 280 mm / 3 x 11"
Grinding width:	800 mm / 32"	800 mm / 32"
Weight:	610 kg / 1345 lbs	640 kg / 1410 lbs
Grinding pressure:	365 kg / 804 lbs	367 kg / 809 lbs
Water tank	20 l	20 l
Other:	CE-marking	CE-marking
Recommended vacuum	Scan Dust 8000 + 6000 Separator	Scan Dust 8000 + 6000 Separator



SCANMASKIN 32 WORLD SERIES PROPANE

583210 SCANMASKIN 32 PROPANE

The Scanmaskin 32 World Series Propane is a propane-powered Grinder for occasions when you do not have access to electric power. The 32 World Series Propane machine has the same unique characteristics as the other Grinders in the World Series Line.

Among other things, fully casted machine housing, adjustable grinding pressure, and well-balanced tooling heads that provide the efficient grinding results that characterize the World Series Line. The Scanmaskin 32 World Series Propane machine is also equipped with an automatic safety system that monitors air oxygen levels.

The Scanmaskin 32 World Series Propane is equipped with a 26hp Kawasaki engine which can be operated with either liquid or vapor Propane.

TECHNICAL DATA

Motor:	Kawasaki FX752
Motor power:	18,5 kW / 26 hp
Propane tank:	9 kg / 20 lbs
Water tank:	20 liter
Grinding speed:	300-575 rpm
Grinding disc:	3 x 280 mm / 3 x 11"
Grinding width:	800 mm / 32"
Weight:	610 kg / 1345 lbs
Other:	CE-marking

