



**UP TO 3 YEARS
OUTDOOR DURABILITY**



**AFFORDABLE
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PRINTERS**

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Mutoh's Rockhopper 48" (122 cm) and 62" (157 cm) printers have been specifically developed for those sign makers who have a need for an affordable outdoor printer, profitable for print volumes of less than 10 square meters a week, but also employable for production volumes.

The Rockhopper is a 'one does it all' printer ! Thanks to Mutoh's new Eco-Solvent Plus inks, the Rockhopper can be used to produce superb high-quality photo-realistic indoor output, as well as durable outdoor prints. Eco-Solvent Plus inks offer the same user-friendliness as standard water-based inks. The wide-gamut Eco-Solvent Plus inks will allow you to say 'yes' to almost every customer demand you will get.



Maximum Versatility with Eco-Solvent Plus

Mutoh's new Eco-Solvent Plus inks offer a number of unique and pioneering features. First, Eco-Solvent Plus ink allows printing on both (eco-solvent) coated media as well as on a selected range of low-cost standard available uncoated PVC and scrim banner media. Secondly, Mutoh Eco-Solvent Plus ink is a solvent-based ink, however, it is the first ink ever on the market not spreading any harmful VOC's (volatile organic compounds) in the working environment, therefore being a true environmentally friendly light solvent ink. As such, Rockhopper printers equipped with Eco-Solvent Plus inks can still operate perfectly in any office environment, and there is no need for any special ventilation or air purification equipment.

Prints are UV, water and scratch-resistant for up to three years outdoors when using Mutoh's Eco-Solvent-tuned or compatible uncoated media (vertical application) and Eco-Solvent Plus inks. Prints require no lamination. For fleet, floorgraphics or other applications where prints are exposed to intensive mechanical stress or abrasion, lamination is recommended.

Eco-Solvent Plus inks also benefit from an optimised performance in combination with Rockhopper's coated eco-solvent media range, resulting in a better abrasion-resistance.

The Rockhopper printers offer various print resolutions, varying from 360 x 360 dpi to 1440 x 1440 dpi. Print speeds vary between 7.2 m²/h at 360 x 360 dpi, 3.6 m²/h at 720 x 720 dpi and 0.68 m²/h at 1440 x 1440 dpi.



**Maximum Versatility:
6 Colours - Eco-Solvent Plus Ink**



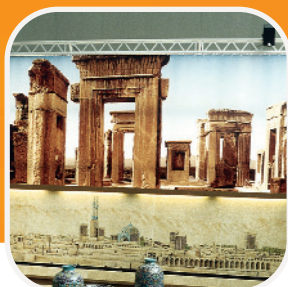
Prints on coated and uncoated media



Standard Take-up System



Operation Ease Guaranteed



Impressive Connectivity

The Rockhopper series accept RTL-Pass, MH-GL and MH-GL/2 (MH-RTL) data, making them compatible with a complete series of printer/plotter data.

As standard, the Rockhopper series printers feature a uni and bi-directional (ECP / IEEE-1284 compatible) parallel port. Optionally, the printers can also be equipped with a 100 Base-TX Ethernet card to offer network connection under MS Windows & Mac OS.

Standard Take-Up System

Unattended printing is made possible thanks to our standard motorized take-up system. This automatic roll-to-roll take-up system can even detect transparent see-through media types.

Operation Ease Guaranteed

Mutoh Rockhopper printers feature a convenient direct-access keyboard with integrated LCD display, keeping the user up-to-date with all he/she needs to know.

The Rockhopper printers feature a complete set of directly accessible monitoring and recovery functions (nozzle inspection print, normal and powerful cleaning, washing, re-priming). Ink levels are continuously monitored by a 2-stage level sensing system, warning the user when an ink cassette is running low and halting the printer as soon as a cassette is empty. Replacing ink cassettes is a matter of seconds. No mess, no loss of time, no lost prints !

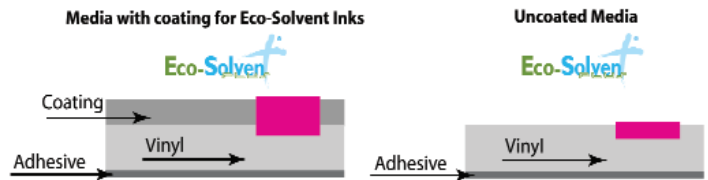
Advanced Piezo Inkjet Technology

By far not the least of the Rockhopper printers' assets is that they are equipped with two long-life state of the art 3-colour micro piezo heads, capable of firing extremely uniform dots and using ink very economically, taking nothing away from the output quality.

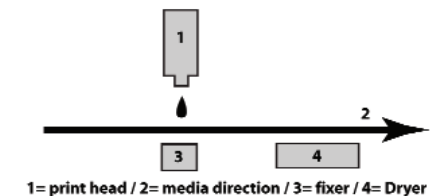
The Rockhopper printers are equipped with height adjustable print heads. Head height is adjustable between 1.5 and 2.0 millimetres. The lower head position is ideal to print on photo-quality media as it reduces the head-to-media gap and improves dot placement accuracy. The high head position is ideal to accommodate thicker media or woven media and prevents that media or media fibres touch the head's nozzle plate.

Large Media Compatibility

Eco-Solvent Plus inks are fit for printing on both coated and a selected range of uncoated substrates. The solvents included in the Eco-Solvent Plus ink optimally wet the media and partially soften it, allowing the ink to penetrate into the media. The ink pigments are being anchored onto/into the media.



Rockhopper printers incorporate two digitally controllable heating elements for increased printing quality and wider media compatibility.



The Rockhopper's Fixer (Direct Heater) will establish a fast and immediate anchorage of the Eco-Solvent Plus ink onto/into the substrate and will furthermore optimise dot gain control. The Post Heater (Dryer) will post dry prints and ensure that they are touch dry by the time they reach the Rockhopper's media take-up system.

Mutoh offers a wide range of eco-solvent tuned media, i.e. monomeric and cast vinyl, photo-based paper, polyethylene film, scrim banner, tyvek, satin photopaper, uncoated banner and PVC. Rockhopper users will also benefit from Mutoh's professional media test program. Latest media compatibility information is at all times accessible via www.mutoh.be.

Wide Range of Applications

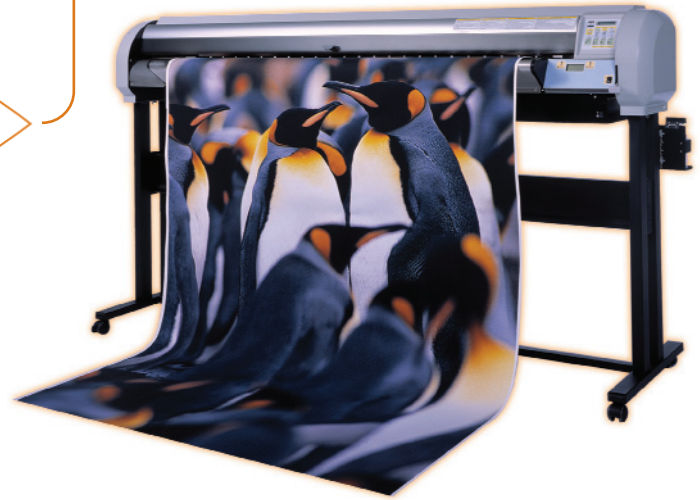
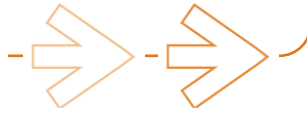
Application possibilities encompass outdoor poster printing, banners, long-term backlit signage, building and construction announcements, vehicle graphics, durable indoor graphics, POS displays. Next to these more outdoor oriented applications the Rockhopper is also an excellent choice for durable photo-realistic prints for indoors, thanks to its 1440 x 1440 dpi high quality print mode.





Rockhopper 48" : 1.2 m width

Rockhopper 62" : 1.5 m width



Specifications:

Product Names	Rockhopper 48"	Rockhopper 62"
Technology	Drop-on-demand Piezo Inkjet Technology	
Maximum Media Width	1220 mm	1574.8 mm
Maximum Print Width	1160 mm	1554.8 mm
Output Modes	4 / 6 Colour Channels	
Resolution / Print Speed(*)	High Speed	360 x 360 dpi 7.2 m ² /h
	Production	720 x 720 dpi 3.60 m ² /h
	High Quality	1440 x 1440 dpi 0.68 m ² /h
Ink Consumption (**)	360 dpi: 4.66 ml/m ²	
	720 dpi: 7.98 ml/m ²	
Print Quality Modes	Single Pass & Various Interweave Modes	
Printer Control Options	Media Micro Step Adjust, Origin Reset	
	Automatic Image Centering	
Ink Cassettes	220 ml Eco-Solvent Plus ink cassettes: C,M,Y,K,Lc,Lm	
Take-Up System	Standard - Motorised - Automatic	
Displays	Printer Display - LCD - 16 Char.	
	Fixer & Post Heaters/Temperature Control - LCD - 4x16 Char.	
Media Handling	Sheet: Front Feed - Front Exit / Roll: Rear Feed - Front Exit	
Media Conditioning/Drying	Fixer & Post Heating System with digital control	
Media Cutter	Horizontal Auto-Cutting	
Option	Network Interface Card 10/100 Base-TX: Ethernet; TCP/IP, NetWare, EtherTalk	
Media Core Ø/ Weight	2" & 3" / max. 14 kg	2" & 3" / max. 19 kg
Roll Media Ø	150 mm	150 mm

Specifications are subject to change without prior notice. All trademarks mentioned are property of their respective owners.

(*) Printing speed is for A0-sized output. Wider output will improve speed performance.

(**) Ink consumption figures are for 100% coverage of the printed surface.



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