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V-Smart Vinyl Cutter with Contour Cutting

ContourCutting.co.za

About Advanced Machinery

We manufacture and sell CNC Machines:
Heat Presses, CNC Routers, CNC Laser Cutters,
CNC Plasma Cutters, Large Format Printers, Flatbed

Vinyl Cutting Plotter Machines

Designed to be the most cost effective way to produce your own signage.

General Information

These vinyl cutting plotters have been designed to give you:

Heavyweight use and low running cost.
- Adjustable knife pressure up to 500g via the control panel.
- Speeds that are impressive, with excellent quality.
- Replacement blades that are keenly priced, whilst retaining a long life.

Our range of vinyl cutter systems can handle media rolls from the smallest width from 740mm to 1660mm.
Spare blades, Squeegee, cables, Plotting pen holder and sign software all come packaged with the machines.

Advanced Machinery provides full remote support and backup via telephone, email and fax.

What is Contour Cutting ?

Our Contour Cutting system uses a laser optical eye which reads multiple registration mark patterns on pre-printed media to obtain accurate contour cutting for the production of decals, stickers, heat transfer and packaging in the print and cut operation.

V-Smart Series Vinyl Cutters are NOT printers. You still need to print your artwork with a vinyl digital printer and then bring the printed media to the vinyl cutter to cut.

Important Numbers
General Enquiry: 060 600 6000
Machinery Sales: 072 222 2211
Salesperson Direct: 072 522 3941

Remote Assistance: 076 666 6655
Training Schedules: 060 818 1818
Brand & Marketing: 060 767 6767

Warehouse: Johannesburg and Cape Town
Office Number: 087 802 5368
Business Hours: 07:30/16:00 (Mon-Fri)
                                      07:30/12:30 (Sat.)
Closed   (Sun.&Holiday)

advanced machinery

V smart
vinyl cutting plotter
with contour cutting

Comparison Chart

With Imporoved Stronger Pinch Roller Holder **NEW 2018 upgrade** and 2 New Pressure Level Settings

SKU - PRODUCT CODE	V3 -740	V3 -1310	V3 -1660	VSmart+ V3 -1360
Dimesions				
Working (Cutting Bed) Width	740 mm	1310 mm	1660 mm	1360mm
Normal Cutting Maximum Width	635 mm	1205 mm	1550 mm	1205mm
Contour Cutting Maximum Width	615 mm	1185 mm	1530 mm	1100mm
Client Base	Signage Workshop, Daily Cutting			Print and Cut
Technical specifications				
Contour Cutting Method	Semi-Automatic Align by Laser Beam			Semi-Automatic Align by Laser Beam
CPU	32-bit ARM CPU (4M Cache)			32-bit ARM CPU (4M Cache)
Memory	16M			16M
Cutting Speed	50 to 500mm Per Secondond			50 to 500mm Per Second
Cutting Pressure	5g to 1000g			5g to 1000g
Cutting Blades	0.005mm			0.005mm
Power and Operation				
Electricity	220V			220V
Driving Motor & Min. Movement	Microstepping 0.005mm Per Step			Microstepping 0.005mm Per Step
Vinyl Feeding Mechanism	High Friction Steel Grit Roller			High Friction Steel Grit Roller
Mechanical Resolution	0.005mm			0.005mm
Repeatable Precision	0.005mm			0.005mm
Smallest Readable Letter	2mm Height English Letter			2mm Height English Letter
Command Language	HPGL, DMPL			HPGL, DMPL
Connectivity				
USB Port and Connection	High-Speed USB 2.0 Plug & Play			FTDI USB to Serial
Direct Wi-Fi Wireless Connection	N/A			N/A
Offline Cutting	Cut. PLT file from USB Flush Disk			Cut. PLT file from USB Flush Disk
Applications				
Windows Printer Support	Yes, Native USB Printer			Yes, Native USB Printer
Apple® Mac/Linux Support	Yes, by Serial Port			Yes, with FTDI USB to Serial
Program Support	Any Vector Design Software (e.g. CorelDRAW, Adobe Illustrator, AutoCAD etc), work under Windows as Printer			Any Vector Design Software (e.g. CorelDRAW, Adobe Illustrator, AutoCAD etc), work under Windows as Printer

WHAT'S INCLUDED	Warranty	Software		What's in the box
	2 Years	- Free Printer Driver Included		Stand made from Aluminium Alloy
		- Professional Vinyl Cutting Software "VinylCut" at an additional cost of R500.		

Functions and Controls

A powerful 32bit CPU (ARM7) with 4M high speed Cache that you find in PCs, Tablets and Smartphones (for example Apple iPhone and Samsung Galaxy). With this powerful CPU as the brain of our V-Smart vinyl cutter, you get:

Better Speed and Precision, Cutting Speed from 50 to 500 mm/s and Cutting Precision on 0.005 mm.
Handles Complex Artwork Better and supports Unlimited Cutting Length output from computer and cached within 16M memory.
With 11 buttons and an LCD touch screen on the vinyl cutter interface, you get:-

Contour Cutting

By utilizing the Laser Optical Eye, you can easily cut by contour (outline) of pre-printed media.
1kg Pressure& 2mm Thickness
The V-Smart Vinyl Cutter features a high-pressure cutting carriage which provides a massive amount of 1kg of pressure.
With such a high cutting force, the Cutter can cut almost all kinds of vinyl and thin cardboard.
The Cutting depth of the blade edge length of a standard 45° Roland Compatible Blade is 2mm.
A deeper cut can be achieved by utilising a sharper vinyl blade.

LCD Touch Screen

How can it get easier than a touch screen? You can have all the general operation on the LCD touch screen interface without using the fixed buttons.

USB Connection

Using a USB connection from your computer is easier than the traditional Serial Port, which our vinyl cutters still have installed for backward support. The new feature, in comparison to our traditional vinyl cutter is the direct USB flash driver read capability and you can select .PLT File (HPGL Vector Graphic Plotter File, by CorelDRAW, AutoCAD etc) on this LCD screen and directly cut without the need of a computer.

By employing a USB device from Future Technology Devices International, we provide all the popular USB Port drivers including x86 (32-bit) and x64 (64-bit) Mac OS X (learn more about Vinyl Cutting Software for Mac) Windows XP, Windows Vista, Windows 7, Windows 8 and Linux for our V-Smart vinyl.

High Cutting Precision & Repeatable Precision

Micro-Step Driver System
With the Micro-Step driver system, powerful 32bit CPU and well-proportioned steel Grit Roller distribution, our V-Smart vinyl cutter achieves 0.005mmcutting precision and less than 0.005mm Repeatable Precision.

Repeat Cut & Offline Cut
Cutting files can either be stored on a USB Flash Driver or uploaded via a USB cable and stored on the Vinyl Cutter local memory (4M). All cutting files won't get removed even when you turn power off, therefor you can disconnect from your computer and continue the cutting or repeat the cutting up to 500 pieces with the click of a button.

Call Sales Direct 072 133 3669 / 076 238 0678,
Machinery Sales 072 222 2211,
General Enquiry 060 600 6000, Call

Johannesburg Branch

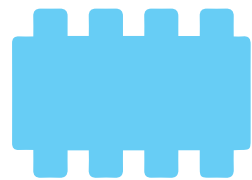Jet Park Warehouse
087 802 5368
011 397 1429

Cape Town Branch

Montague Gardens
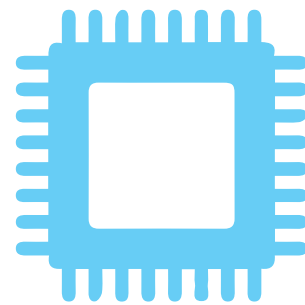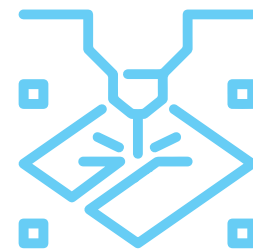087 802 7106
021 555 3250

Detailed Address and Call Me Back

USB 2.0

16MB RAM

32 BIT CPU

MANUAL CONTOUR CUTTING