

# VANGUARD

## HEAVY DUTY GRAPHIC PRINTERS



Designed with the most stringent quality applications in mind, American M&M's **Vanguard Graphic Screen Printers** offer the perfect combination of highly versatile production, state of the art technology, and user friendly, tool free, operation.

Built to withstand years of continuous high performance production, the Vanguard graphics printers have firmly established themselves as the industry standard.

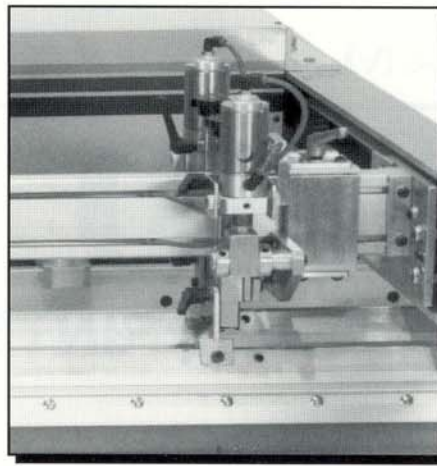
Made in America, the Vanguard is a machine tool with unparalleled accuracy and dependability.

There is no better Graphics screen printing press made in the world.

- Soft touch control panel
- Programmed "hot keys"
- Electronic stroke control
- Carriage brake for sure stop
- All metal printing table
- Micro-registered adjustable table
- Dwell location choice – FRONT OR BACK
- Dwell timer with digital countdown display
- Computerized production monitor
- Programmable extended stroke
- Programmable vacuum system
- Vacuum with timed blow-back
- Adjustable bleed vacuum & blow back
- Exclusive parallel screen flood system

# VANGUARD VK-SERIES 52X84; 60X96

- **Micro-Registration:** Three way micro-registration system allows for quick, precise and easy image registration. Movement is read on dual positioning grids for positive reference.
- **Programmed Stroke Length:** Electronic stroke length programming allows the operator to set the necessary carriage travel length to the specific job requirements, thereby lessening printing time and overworking the ink.
- **Off-Contact Peel Adjustment:** Single point peel adjustment, synchronized with the speed and carriage travel, provides the proper peel rate to each specific job, for fine and crisp print definition.
- **Machine Tool Accuracy:** Ball bearings and hardened ways are utilized on these printing machines, for moving the carriage accurately, smoothly and efficiently.
- **Tool Free:** These presses were designed and manufactured to provide tool free adjustment and setup.
- **Digital Controls:** State of the art integrated digital controls, electronic programming, production monitoring and on board diagnostics, make these presses the "standard" of the screen printing industry.



Heavy-duty squeegee cylinders and adjusting position control



Operator's control panel and air controls

## SPECIFICATIONS

Vanguard Model	VK 52 x 84	VK 60 x 96
Vacuum Print Area (in.)	52 x 84	60 x 96
Table Size (in.)	65 x 100	72 x 112
Print Table Height (in.)	39	39
Screen Frame Size - Max.	75.5 x 102	84 x 114
Speed Cycle - IHP	650	600
Machine Width O.A. (in.)	107	121
Machine Depth O.A. (in.)	100	109
Machine Height O.A. (in.)	54	54
Standard Electricals	230v - 3 ph - 60 Hz - 40 amp.	
Air Requirements	90 psi - 2 cfm	

Our policy is one of continuous improvement and we therefore reserve the right to change specifications without prior notice.

## FEATURES:

- Independent print and flood speeds
- Patented "squeegeizer" air controls
- Hardened ball bearing carriage system
- Reliable AC inverter motor controls.
- Pulse free print carriage drive
- Adjustable holders for narrow stock
- Squeegee angle adjustment
- Squeegee "ALL UP" neutral
- All TOOL FREE adjustments
- Master frame with adjustable screen clamps
- Air clamps, front & rear, for screen frame
- Synchronized and adjustable peel system
- Safety bar and photoeye protection
- Screen holder capacity to 3 inches
- Head UP/DOWN control feature
- All digital display functions
- On-board diagnostics
- All UP-FRONT CONTROLS

## OPTIONS

- Printing table prepped for take-off device
- Adjustable air gripper style automated take-off.
- Registration guide pins with on/off controls



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