



# Digikote II

Digitally Controlled Screen Coater

Eng



## Digikote II <sup>TM</sup>

M&R took a quantum leap over pneumatic screen coaters with the introduction of Digikote, the world's first and only fully digital screen coating machine, and the only American-made automatic screen coater. Digikote II is the next generation of M&R graphic screen coaters. Its patented electromagnetic system combines sophisticated digital technology and top quality components to deliver performance and repeatability levels not possible with pneumatic systems. The Digikote II System also offers 100 recallable program settings. Its up-front computerized control center handles all major machine functions, including coat application dwell, tilt dwell, coating speed, retract speed, pressure adjustment, and self-diagnostics. Programming and operation are simple, and Digikote II provides status messages in real time.

Digikote II features a rugged, variable-speed AC motor with frequency drive. Its electronic linear digital drive devices control coating pressure, and the synchronized pressure application system maintains emulsion uniformity. The front and rear coaters can operate in tandem or independently, allowing operators to coat each side separately, both sides simultaneously, or just one side. A specially designed linear bearing system allows the precision-machined coating troughs to travel smoothly along the screen. The troughs adjust dynamically to variance in screen tension for predictable, uniform coatings. Replaceable coating trough edges save money by eliminating the need to replace the entire coating trough due to nicks. The redesigned frame provides the added rigidity of extruded aluminum to stabilize the frame during coating.

High quality printing relies on high quality screens, and Digikote II produces the finest screen coating available. Like all M&R equipment, Digikote II is built with M&R's unsurpassed devotion to quality, durability, and design excellence, and is backed by the best service and support in the industry. If nothing less than the best will do, there's only one choice: Digikote II.

# Digikote II

## Digitally Controlled Screen Coater

### Standard Features

#### Coating

- Digital electromagnetic coating pressure control (U.S. Patent No. 5,339,739)
- Exceptional repeatability
- Manual setting for control of coating carriage
- Sides can be coated simultaneously or individually
- Synchronized pressure application maintains uniformity of emulsion
- Troughs adjust dynamically to variance in screen tension
- Tool-free mechanical center pressure with dial indicator

#### Control Center

- 100 recallable recipe program settings
- Adjustable timers
- Coat application dwell
- Coating speed control
- Control panel is up front and easy to access
- Digital keypad with alphanumeric display
- Digital microprocessor with self-diagnostics
- Multiple coat sequence feature
- Operator interface with user-friendly design
- Pressure adjustment control
- Retract delay control
- System status messages provided in real time
- Tilt dwell control

#### Design & Construction

- Coating trough assembly traverses on high quality linear bearings and rails for predictable, smooth coating
- Constructed of rigid steel & aluminum and premium components
- Cycle interruption feature activated by wraparound coating carriage bar
- Heavy-duty drive components
- Heavy-duty trough stock with interchangeable custom milled edges in thicknesses of 0.050" (.127 cm) & 0.080" (.203 cm)
- Rigid extruded aluminum stabilizes the frame during coating
- Variable-speed AC motor with frequency drive helps deliver smooth coatings

#### Screen Clamp System

- Self-alignment design
- Solid aluminum adjustable screen clamps
- System firmly holds screens in place
- Upper frame holder adjusts to multiple screen sizes

#### Maximum Screen Frame OD Size

- 50" x 60" (127 x 152 cm)
- 50" x 72" (127 x 183 cm)
- 60" x 80" (152 x 203 cm)
- 78" x 126" (198 x 320 cm)
- 82" x 108" (208 x 274 cm)
- 86" x 160" (218 x 406 cm)
- 86" x 185" (218 x 470 cm)
- Custom sizes available

#### Service

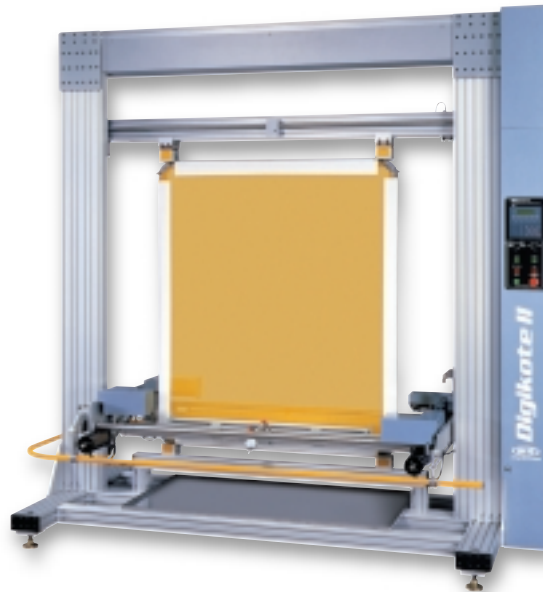
- 24-hour hotline

#### Training

- Access to M&R's Training Center

#### Warranty

- One-year limited



### SPECIFICATIONS

	Digikote II 5060	Digikote II 5072	Digikote II 6080	Digikote II 82108	Digikote II 78126	Digikote II 86160	Digikote II 86185	
Maximum Screen Frame OD Size	50" x 60" (127 x 152 cm)	50" x 72" (127 x 183 cm)	60" x 80" (152 x 203 cm)	82" x 108" (208 x 274 cm)	78" x 126" (198 x 320 cm)	86" x 160" (218 x 406 cm)	86" x 185" (218 x 470 cm)	
Overall Size	96" x 46" x 100" (244 x 117 x 254 cm)	96" x 46" x 120" (244 x 117 x 305 cm)	106" x 46" x 128" (269 x 117 x 325 cm)	128" x 62" x 156" (325 x 158 x 396 cm)	124" x 62" x 174" (315 x 158 x 442 cm)	132" x 62" x 208" (335 x 158 x 528 cm)	132" x 62" x 233" (335 x 158 x 592 cm)	
Electrical Requirements*	110v, 1 phase 15 amps, 60 Hz 220v, 1 phase 7.5 amps, 50 Hz	110v, 1 phase 15 amps, 60 Hz 220v, 1 phase 7.5 amps, 50 Hz	110v, 1 phase 15 amps, 60 Hz 220v, 1 phase 7.5 amps, 50 Hz	110v, 1 phase 15 amps, 60 Hz 220v, 1 phase 7.5 amps, 50 Hz	110v, 1 phase 15 amps, 60 Hz 220v, 1 phase 7.5 amps, 50 Hz	110v, 1 phase 15 amps, 60 Hz 220v, 1 phase 7.5 amps, 50 Hz	110v, 1 phase 15 amps, 60 Hz 220v, 1 phase 7.5 amps, 50 Hz	110v, 1 phase 15 amps, 60 Hz 220v, 1 phase 7.5 amps, 50 Hz

\* If incoming voltage differs from the voltage(s) listed, calculate amperage accordingly

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