

LOUISIANA  
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
SPECIFICATIONS

**SIGN GRAPHICS FLATBED ROLLER APPLICATOR**

**GENERAL**

This specification sets forth the requirements for a sign graphics flatbed roller applicator used in the fabrication of signs for roadway use.

**APPLICATOR**

The applicator shall be a pneumatically controlled roller which is automatically adjusted for substrates up to 2-2/5 inches and shall come complete with the following features:

- A flatbed worktable with a self-healing cutting mat and LED lighting to illuminate the table while working
- A roll holder on a glide beam for pre-masking tape and laminate
- A roll holder on the flatbed end of the applicator for printed or cut film
- Side trays for rolls of banner material
- An attachment that will remove any static electricity
- Six (6) casters with machine mounted brakes to allow the machine to be moved and locked in position once it has been placed in the desired location.

**ELECTRICAL**

Applicator must adhere to the following power requirements:

- 230V/50Hz(10A) / 120V/60Hz (15A)

**INSTALLATION & TRAINING**

Vendor shall review machine setup and provide a minimum of two (2) hours of hands on training within two (2) weeks of receipt of the applicator. Vendor must contact DOTD in advance to establish training dates and times.

**WARRANTY**

Flatbed roller applicator shall come with a two (2) year full system warranty or standard manufacturer's warranty to begin upon setup/installation.

**BRAND/MODEL**

ROLLSROLLER 400/170P, or equal

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MEDIA CUTTER**

**GENERAL**

This specification sets forth the requirements for a vinyl media cutter used in the fabrication of MUTCD and DOTD signing.

**PERFORMANCE**

The media cutter shall have the following:

- Friction feed media handling with a tangential cutting head
- Cut widths up to a minimum of 62 inches.
- A cutting down-force of up to 600 grams in 5 gram increments
- A minimum diagonal cutting speed of 56 inches per second
- Media tracking of 164 feet
- Either USB or Ethernet connectivity
- Color touch screen

**MECHANICAL/ELECTRICAL**

The cutter shall operate on 100-240 volts  $\pm 10\%$  48-62Hz, 85 VA maximum.

**ACCESSORIES**

The media cutter shall come complete with the following:

- Two (2) standard cutting blades
- One (1) stand
- One (1) motorized take-up roller
- One (1) media rack

**INSTALLATION & TRAINING**

Vendor is responsible for delivery and set-up of the unit. Vendor shall provide a minimum of eight (8) hours of hands on training within two (2) weeks of receipt of the media cutter. Vendor must contact DOTD in advance to establish training dates and times.

**WARRANTY**

Media cutter shall come with a two (2) year full system warranty or standard manufacturer's warranty to begin upon setup/installation.

**BRAND/MODEL**

Summa S2D160 Media Cutter, or equal