**HID ELEMENT UV INK PRINTER SYSTEM**

**Location:**

Office of Technology Services

1800 N. 3rd Street, ISB

Baton Rouge, LA 70802

**Scope of Work:**

To furnish all labor, materials, equipment, tools, and freight to install one HID Element industrial card printing system with UV inkjet and laser engraving modules.

**Requirements**

* HID Element UV Ink Printer System shall include the following
	+ Standard dual-side printing capabilities
	+ UV – cured inkjet printing technology
	+ Yellow (Y), Magenta (M), Cyan (C), Black (K), Clear Overlay (O), and White (W) ink types.
	+ Six printer ink channels.
	+ Print up to 600 dpi x 1200 dpi (23.6 dots/mm x 47.2 dots/mm) resolution.
	+ Print up to 300 single-sided cards per hour (@ 600 dpi) print speed.
	+ Air-cooled, 8w laser, suitable for high-security sub-surface engraving, tactile engraving, microtext, etc. at up to 300 cards per hour.
	+ A high-precision camera module for enhanced printing and engraving accuracy.
	+ Shall be capable of registering and verifying printed laser engraved elements using an integrated camera registration system.
	+ Accept a card size of CR-80 (3.370” L x 2.125” W / 85.6 mm L x 54 mm W).
	+ Accept card types of PVC, composite (PET/PVC with PVC as an outer layer), laminated PVC (credit card construction), polycarbonate (PC) and laserable PVC.
	+ Include over-the-edge capability on CR-80 cards print area.
	+ Input card capacity of one input hopper, at least 400 cards (0.30” / 762 mm thick) per input hopper. Up to four hoppers may be added for a total of 1600 cards.
	+ Output card capacity of one or two output stackers, at least 400 cards (0.30” / .762 mm thick) per output stacker. Up to four stackers may be added for a total of 1600 cards.
	+ Flexible encoding options: smart card (contact/contactless), ISO magnetic stripe, custom encoding.
	+ Warranty for printer module, printheads, laser module (except laser diode) of 12 months and 24 months for the laser diode.
	+ Two additional input hoppers; two additional output stackers; optional encoding module(s).
	+ Professional on-site installation of the printer system and all modules per manufacturer's guidelines. System calibration, configuration, and testing to ensure full functionality and performance.
	+ Removal of all packaging materials and debris.
	+ Minimum 16 hours (two business days) of on-site training for operators, maintenance staff, and technical personnel. Training shall cover all aspects of system operation, maintenance, troubleshooting, and repair. Training shall be conducted by a certified technician from the manufacturer or authorized dealer. This shall includes classroom instruction and hands-on practice.
	+ Additional or follow-up training shall be available, if needed, to ensure staff proficiency.