Automated Bench Stock Vending System
Salient Characteristics
AutoVend AVX1K (Part No. 117.743-B1) OR EQUAL

ACCESS

- 24/7 POINT OF USE

- Authorized access: Vending solutions must have an integrated bar code reader that reads the bar code on the back of the individual's CAC but NOT the chip data; and/or a user can enter his/her man-number, along with a user-chosen personal PIN code.

- Location: The system can be positioned on the hangar floor, resulting in saved man hours from parts attendants and from maintainers walking to a crib and waiting to get parts. (Building 7270 (2037 Bergstrom Dr, Ellsworth AFB, SD))

BENCH STOCK SUPPORT

- No Co-Mingling: Each item shall be separated individually into bins with parts cups that are accessed individually returned with 15 seconds (maximum). AutoLocker FX w/64 modular doors and 12 drawer OR EQUAL.

- Min/Max Levels: Managed bench stock at 100% stock level and will not allow re-stocking an item over the 200% level. System should automatically flag red/green for restock reports.

- Restocking: Barcode reader allows the supplier to scan the bench stock barcode for quick and accurate restocking.

- Lot Control/Shelf-Life Items: Managed automatically. Any expired item should be locked and not accessible.

- Search Options: Bench stock items need to be searched by issued by NSN, Nomenclature, Multiple Part Numbers or traditional bin locations.

- No Duplicate Bins

- Software should be included that will automatically deduct issued items from the total stock level

HARDWARE & WARRANTY

- An industrial vending machine with touch screen used to manage small fasteners and bench stock in warehousing and open hanger environments with little maintenance.

- 64 modular lockers to issue larger bench stock items such as filters, hoses, incandescent light bulbs, tires, gaskets, etc and 12 drawers.

- Accessory that provides the ability to dispense multiple quantities of an item with an automated count determination and deducted from the stock level. Self-calibrates prior to each transaction.

- Commercial Warranty – A warranty includes all parts, postage and 24/7 tech support for at least the commercial standard of one (1) year.

SOFTWARE: AutoVend Software License (V710-105) w/Management Station PC OR EQUAL

- Software must be able to maintain a database of at least the last 30 issues, inventory, control, manage, operate shop and track in a single system along with producing at least 200 reports to be managed by the customer.

- The system should include digital shadow boards and 19" Touchscreen to control at least 1000 bins.

VENDOR PROVIDED ITEMS

- Configuration diagrams
- Continuity book (Manual) to include: configuration diagrams/equipment diagrams, equipment lists, and training (How to) must be provided in both hard and digital copies.
- Documentation and plan to test the system and demonstrate, to the government, complete functionality of all component and capabilities of the- integrated system.
- Documents required include:
    o Installation Drawings / Schematics / Wiring Diagrams
    o All Warranty Information
    o Manufacturer References / User Documentation

TRAINING

- Upon completion of the installation process, the contractor will provide user training to the designated site staff in accordance with the customer requirements. User training will include step-by-step instructions on the utilization of all features of the Automated Bench Stock system as well as Basic System Troubleshooting. The contractor shall provide operational training to the users and system training to the operators/maintainers as needed. Any applicable training material will be provided to the Government in both paper and digital copy. The Government shall retain the right to duplicate and distribute the training material for future training purposes.

MUST MEET MINIMUM REQUIREMENTS OUTLINED IN DAFI 21-101 (8 Nov 22):

- **4.9.3.2.** - Clean, inspect, and properly store (do not co-mingle) wheel bearings

- **9.5.2.** - Mark bins containing 50 percent or less of the authorized quantity to facilitate monthly inventories.

- **4.11.3.6.2.7.** - Parts Requisition Record. (T-1) This document is used to list all parts (including TCIs) on order. As a minimum, this document will include the following headings: Engine/ Module/Accessory, TMS, Engine/Module/Accessory Serial Number, Nomenclature, Part Number, National Stock Number (NSN), Requisition Number, Priority, Status, and DIFM Clear with "Yes" and "No" sections.