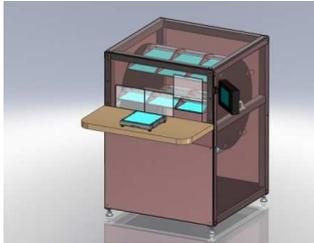


Credence model CTDS Tape Dispensing System

**Model CTDS
Tape
Dispensing System**



The Carousel Tape Dispensing System (CTDS) from Credence Engineering is the most economical way to store in-process tape layers and present them to an operator for stacking. The CTDS automatically in sequences each tape to the operator so an LTCC stack can be assembled accurately and with the least amount of tape handling. Each layer lot is entered into the CTDS using a bar-coder which records the specific bin in which each layer is stored. A stacking sequence program is entered using the touch-screen display and stored. When a program is initiated each layer in sequence is presented to the bar-code reader and is verified insuring that the correct tape layers are installed. The layers are then presented to the operator in program sequence. The respective door opens automatically allowing the operator to reach in and select a single tape layer from its bin. A button is pressed telling the system to sequence to the next layer. While the system is moving the next layer into position, the operator stacks the layer onto the tooling set manually in the stacking fixture and then removes the Mylar backing. This process continues until the system alerts the operator that the stack is complete. The CTDS is equipped with a stacking fixture designed to work with the customer's tape size, registration pattern and lamination tooling sets. The registration pins are moved up incrementally as each layer is assembled into the stack. Once the stack is complete the tooling set with the stack is then moved on to the lamination process. There is no parallel issue because all layers are stacked on pins.

Specifications and Components

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| <ul style="list-style-type: none"> • Bins designed for 8X8 tape size or smaller. • No tape thickness restrictions. • Maximum Stack thickness limited to tooling plate pin length. • No thickness restriction on Mylar. • Three independent access doors • 24 individual bins that will each hold up to a 2" tall stack of tapes. • Touch Screen Interface for programming and "RUN" Mode. • Maximum 12 programs of up to 24 layers each storage capability. | <ul style="list-style-type: none"> • Stacking speed < 6 sec/layer. • Stacking accuracy 12.5 micron • Stacking fixture built to customer requirements. • No bonding of layers. Layers are retained on tooling plate pins. • Operating temperature is ambient. • 110/240 VAC, 50/60 Cycle, 15/7.5A • 32.25" X 46" D X 45.19" T • 450 lbs • Delivery 20 weeks ARP |
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Included

- Stacking fixture

Options (Consult Factory)