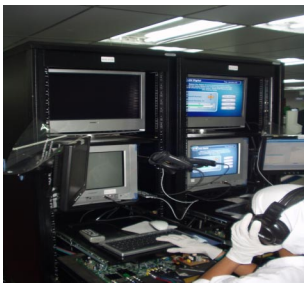


# Smart Enclosures

EMS Major chooses APW President Systems for better ergonomy

**E**lectronic Manufacturing Services (EMS) is slated as the next growth centre in the Industry. A leader in the field of EMS offering services from design and prototyping, through manufacturing and supply chain management, is also the strategic partner used by many of the world's most recognized brands in computers, home electronics, networking and server appliances, and set-top satellite decoders. It is delivering value through low-cost, high-efficiency



manufacturing through their diversified worldwide locations at India, Malaysia, Singapore, Sri Lanka, and the United States. Beyond EMS services, speciality areas also include power supplies through an industry-leading brand, computer memory manufacturing, and RFID.

A proven EMS solution provider to an international set top box manufacturer, the company carries out testing of set top boxes at PCB board and final product level. The testing is done with following equipment:

- Satellite receiver - 1 No.
- Television set - 2 Nos.
- Testing jig - 1 No.
- CPU - 1 No.
- Keyboard - 1 No.

They faced a major ergonomics



problem during the testing. The above equipment were placed on two adjacent, horizontal trolleys. This was taking lot of space and was very much inconvenient to the operator to observe the test results as the equipment were placed horizontally. They were looking for a solution which would be compact, operator friendly and will give the

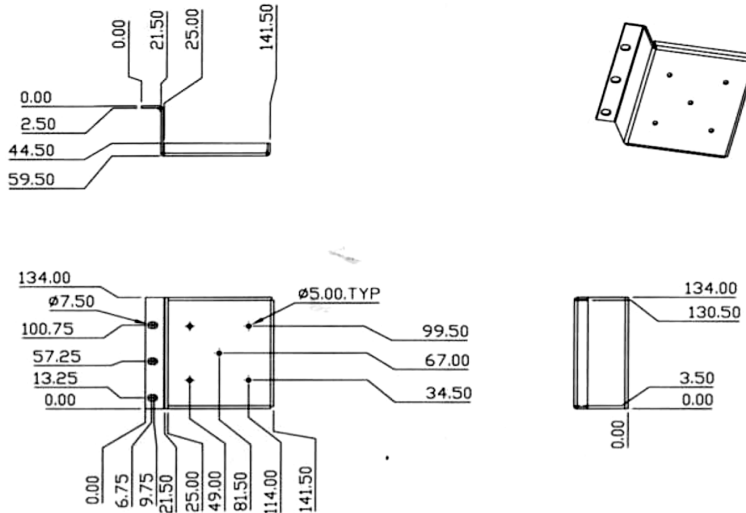
aesthetical value to their current set up.

After doing a detailed study of the problem and understanding the requirement of the customer, APW President Systems proposed them 19" Cyberack 36U x 600W x 600D with three Sliding Trays, Rotary Keyboard Tray & other standard accessories.

This helped the customer to stack the monitors vertically instead of horizontally & gave the comfort of monitoring the test results sitting at one place. This resulted into more aesthetics, space savings



## Bracket to mount swiveling arm of TFT monitor



note:

1. All dimensions are in MM unless & otherwise specified
2. remove all sharp edges & burrs
3. finish : black structure powder coating
4. qty: 1/per rack

at the work station & operator delight.

Later, an additional testing need arised for which one more monitor was required to be added in the same rack, totaling into three monitors in one rack. But due to ceiling height limitation the rack height could not be increased from 36U to upper limit. If three monitors were kept in one rack it would have been uncomfortable for the operator to observe the results from his sitting place. The design capabilities of APW President came into force again & a bracket was designed which could be mounted on a 19" equipment

mounting angle. This could be shifted up & down as per the required position. Then an arm was fitted on this bracket, equipped with a LCD Monitor.

Thus, the following benefits were arrived with the usage of APW President make Cyberack 36U x 600W x 600D

- Effective space utilization - the monitors were stacked vertically & effective space utilization was achieved.
- Operator's delight - modifications were made in the rack to hold three monitors which resulted into comfort of operation, achieving operator's as well as client's delight.



APW President Systems' ability to identify, solve and provide innovative solutions envisaged future opportunities as after this project, the client is planning to deploy the same solution at their other manufacturing locations in India and abroad.

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