



ELECTRONICS MANUFACTURING PLANT & FACILITY



SMT FACILITY



MI FACILITY

ELECTRONICS MANUFACTURING PLANT & FACILITY



**RENOWNED
EXPERIENCED
RELIABLE**

YOUR MOST RELIABLE
INDIAN PARTNER



MODERN COMMUNICATION AND
BROADCAST SYSTEMS PVT. LTD.



ELECTRONICS MANUFACTURING PLANT & FACILITY



ABOUT MCBS

Modern Communication and Broadcast Systems Pvt.Ltd., Popularly Known As "MCBS" is headquartered at Ahmedabad.,Gujarat, India. Instituted in 1985 by professionals and technocrats having engineering experience of morethan 20 years from India'spioneering Space Technology Institutions. MCBS is in the service of Communication and broadcast industry, CCTV & Security systems since past 30 years.

VISION & MISSION:

Cost effective quality products & solutions using State of the Art Technology and Innovations would be paramount in our work culture. Customer satisfaction and concerted efforts shall be key to our success, progress and growth. MCBS will be committed to comply with the requirements and continually improve the effectiveness of quality management system to achieve the goals.

INDIA'S INTEGRATED EMS PLANT & FACILITY:

- MCBS has set up an ultra modern state-of-the-art Surface Mount Technology (SMT) plant, incorporating world's most renowned robotic machineries. The technology used is the latest for high speed set -top box manufacturing. The robotic machines can place semiconductors chipsets at the speed of 1,25,000 components per hour providing an annual capacity of 2+ million set-top boxes.
- MCBS uses world's #1 robotic machines for reliable production & testing from Japanese and European technology manufacturers only. This ensures the best-in-class manufacturing of electronics products with lowest faults, there by making it **"The first largest & fastest single line EMS facility in India"** as MCBS specializes in manufacturing from Semiconductors to complete box (Chip-To-Ship), including indigenous software development, production, testing & shipping.
- The plant is located in pollution-free, eco-friendly green belt of infrastructure-rich Gujarat's capital city: GIDC Electronics Zone, Gandhinagar! The total MCBS plant is spread over 1,30,000 Sq. ft. area with dedicated 30,000 Sq. ft. area for set-top box.

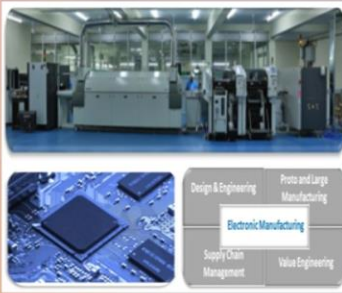
OUR USP:

CHIP TO FINAL PRODUCT - PLANNING TO EXECUTION - specifications, procurement of materials, production, final assembly software loading testing, packing, dispatch & documentation, Mechanical / Plastic casing design & Mold making .

MCBS IN HOUSE R&D UNIT AND ELECTRONICS DESIGN CENTER

VISION *Providing high performance, technologically advanced set-top boxes and Electronics products by using cutting edge technology .		CUSTOMER SUPPORT		
MISSION *To become India's leading technology solution provider for Next Gen Electronics with indigenous development.				
Set-Top-Box.....DVB-C, DVB-S,DVB-S2,DVB-T,OTT,ANROID ,HYBRID. Electronics ProductsGSM,GPS,IOT.		Chip selection	Software Implementation	Production
R&D DESIGN CENTER -CHIP TO FINAL PRODUCT		Enclosure/case design	Board design	
We are a design house for SET-TOP-BOX and other Electronics products Providing end to end solution from chip to final product to include >Chip selection >Meet customers specification > complete design and development >Provide prototype / Pilot production /Mass production We handle various types of chipsets and semiconductor devices for OTT,IOT,GSM,GPS .				
Modern Communication & Broadcast Systems Pvt Ltd. B-138/139, GIDC Electronic Estate Sector-25, Gandhinagar-382024, Gujarat For any Inquiry please feel free and contact on info@mcbsintl.com				

SMT LINE, MI AND TESTING FACILITY



Technology, Speed, Reliability and Cost are critical to the success in the electronic industries. We are well equipped with state-of-the-art technologically advanced automated SMT manufacturing line to deliver Technology, Speed, Reliability & Competitive Cost. Our manufacturing capability covers the wide spectrum of electronic manufacturing and diverse requirements of OEMs. We are flexible in volume, assembly and processes to support today's complexity in manufacturing.



❖ STENCIL PRINTER | Xpert 3 | EKRA, Germany

- PCB Size 508x508mm
- Process alignment capability 2 Cpk @ $\pm 15\mu\text{m}$ 6-Sigma
- Machine alignment capability 2 Cpk @ $\pm 12.5\mu\text{m}$ 6-Sigma



❖ PICK & PLACE | NPM-W2 | PANASONIC, JAPAN

- 220 Feeders * Automatic 20 Tray Changer
- Part Handling: 0402mm (01005) to 120x90mm
- Board Size: 750mm to 460mm
- atedSpeed: 125000cph
- Placement Accuracy: ± 30 micron Cpk = 1.0
- Intelligent Tape feeders & Stick Feeders



❖ REFLOW OVEN | MR933+ | Vitronics, USA

- 9 Top and 9 Bottom Heating Zones & 3 Cooling Zones
- The most efficient heat transfer & Advanced 5 thermocouple PCB profiling



❖ AUTOMATIC OPTICAL INSPECTION | S3088 | VISCOM, Germany

- Large FOV 57.6 x 43.5 mm, Scanning speed of 1200 fps [frames per Linear Motors on X & Y Axis]
- Each Camera is 5 Mega Pixel and module cumulates to 20-60 Mega Pixel size
- 4 Top and 4 Angular cameras.



Nutek PCB Loader and Un loader



Dr. Storage DEHUMIDIFIRE



SOP Flash PROGRAMMER

❖ Wave solder – Model : Stallion FC-PLC-JW Pune

- Finger conveyor with Titanium fingers
- 300 mm pcb input chain type conveyor
- PLC control with individual PID control for solder pot & each preheater
- Profile storage for 99 PCBs thru USB stick
- 5.7" Touch panel display control

MANUAL INSERTION AND TESTING



TESTING FACILITY

