

Design Factory Layout & Develop 3D As-Built Model



Key Points

- 3D Modeling complete in 20 days
- Awarded with 30 lack sq. feet area for scanning

Client's Challenge

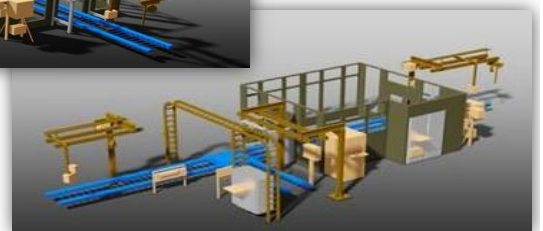
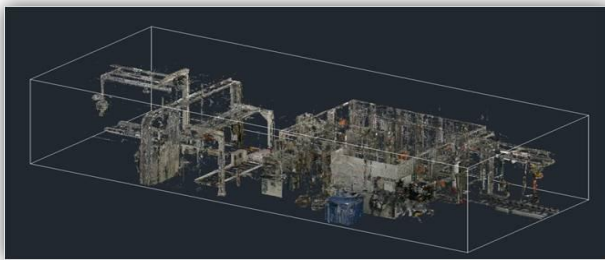
- Layout Engineering
- Factory Layout & Develop GA Drawings
- As-Built Drawings in 3D model for better visualization

PMI's Approach

- Laser Scanning was carried out after plant erection
- Converted Point Cloud data into 3D Model
- Developed 3D skeleton of all Stations & OH Conveyors
- Extracted As-Built 2D drawing

Solution

- Point Cloud Method - Economic & Fast**
- Used highly accurate scanners & specialized software to create point cloud file
- Divided these Point Cloud files to involve more people & meet deadline
- Assembled final drawings into one Assembly Section



*Data shown here has been modified to protect client confidentiality