

## Customer Success Story

Ensuring Safety & Precision in CNC Machining with eepos Aluminium Crane Systems



### OVERVIEW:

- Industrial manufacturing facility engaged in control cabinet production and CNC machining
- CNC operations involve handling large and heavy cabinet doors and panels
- Machining processes demand high positioning accuracy inside CNC machines
- Manual handling methods were limiting safety, speed and consistency
- Required a safer and more ergonomic material-handling approach

### KNOW THE CUSTOMER

- Established manufacturer serving industrial and electrical equipment sectors
- Operates CNC milling lines for precision machining of cabinet components
- Processes oversized and high-weight parts on a regular production basis
- Works within tight CNC workspaces requiring controlled and precise movement

### CUSTOMER REQUIREMENTS

- Safely lift and position heavy, oversized cabinet doors

- Improve ergonomics and reduce physical strain on operators
- Enable precise, controlled movement inside CNC workspaces
- Integrate seamlessly into the existing CNC machining hall
- Allow flexible load movement across the entire work area

### KEY CHALLENGES

- Heavy manual lifting of cabinet doors
- Operator fatigue and safety risks
- Slower machining cycles
- Limited positioning accuracy

### OUR SOLUTION

- Lightweight aluminium rail system enabling smooth, low-force movement
- Flexible crane geometry providing access to every corner of the CNC zone
- Precise load control for accurate positioning during CNC loading
- Ergonomic operation designed to minimise operator effort
- Safe handling of large shaped components

## CUSTOMER BENEFITS:

- **Reduced manual handling and operator fatigue by eliminating repetitive heavy lifting tasks**
- **Improved safety and ergonomics with smooth, low-force crane operation**
- **Faster and more accurate CNC loading through precise load control**
- **Increased productivity and operational efficiency across CNC machining operations**