
Modular Construction

Why modularity?

The electrical components of Truninger magnet systems are composed of a number of discrete, separately orderable modules. This multi-level modularity offers a number of benefits:

- It allows mass production of modules based on tried and tested technology
- All cabinets have the same dimensions regardless of function
- All board/component level spares are available from stock
- Many operational features are software configurable
- Ease of integration and maintenance
- Scalability: easy to add extra magnet groups if required

Electrical component hierarchy

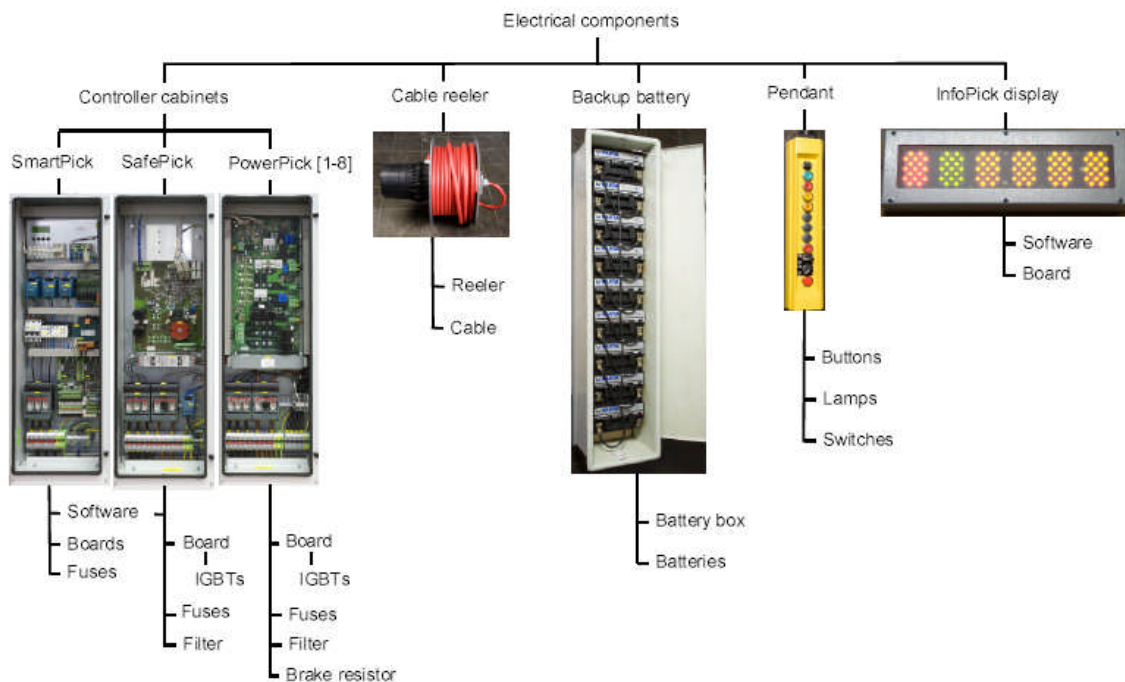


Figure 1: Hierarchy of electrical components

Maximum/minimum configuration

Modular cabinet design means the controller can be adapted to suit a wide range of applications. Figure 2: below shows a maximum configuration with battery backup and eight magnet groups:



Figure 2: SmartPick maximum configuration

Only two cabinets are required for a minimum configuration supporting a single magnet with no battery backup (Figure 3:). This arrangement would be suitable for a scrap magnet application for example.



Figure 3: SmartPick minimum configuration