

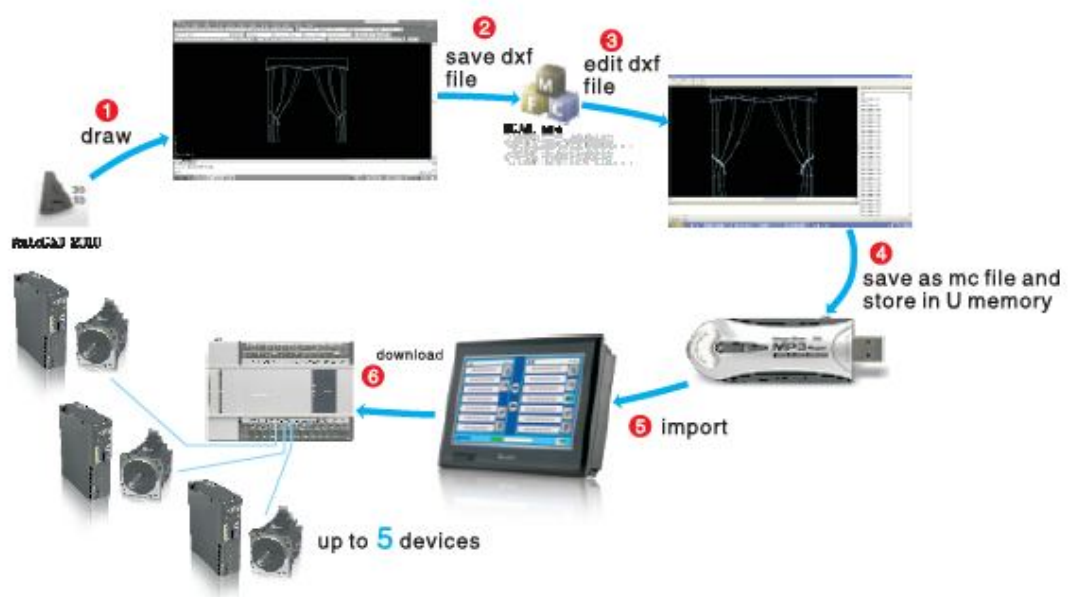
CAD track motion control

1. Introduction

Many new motion control technology appear in modern mechanical industry automation such as entirely closed-loop AC servo drive technology, linear motor drive technology, HMI and PLC, motion control card...

Motion control is the key part of electromechanical integration technology. Xinje Company developed CAD track motion control technology to fit the new trend.

CAD track motion control replaces the traditional industry PC by combining the HMI and PLC. It is fast, well application, simple operation, easy maintenance, low cost and high efficiency.



2. Features

1. Provide complete scheme including CAD software, control system and actuator to meet different needs.

- Edit, modify, configure, process any graphics
- Transform the AutoCAD file through professional CAD control software
- XCC 5-axis motion control PLC, support stepper, servo motor
- stepper drive and motor, servo drive and motor

2. Process ability for complicated graphics

To perform complicated graphics process through PLC and HMI:

- Support CAD file transformation
- Support point, line, arc, curve editing
- Support absolute and relative control mode
- Support self-defined unit of graphics length or precision
- Support CAD file transformation, support chamfer, fillet process
- Support auto route selection, self-defined process route

3. CAD software

Professional CAD transformation software, edit the AutoCAD file to perform motion process control.

- Support AutoCAD DXF file reading, support any version between

DXF 2000 and 2010

- Support the transformation among G code, graphics, DXF file
- Transform the DXF file to graphics code which can be recognized by HMI
- Self-defined tool action, process order, graphics direction
- Auto track optimization, loop checking, simulated running

Summarization:

CAD track motion control system has powerful control function for motion and track and can be applied to most of the digital control systems. It can replace the expensive digital control system.

It also has friendly operation interface and easy operation.

CAD track motion control system improves the efficiency and decrease the production and maintenance cost. It makes your company developing towards automation.