

# CNC Precision Engraving Machine

This high-precision CNC engraving machine is designed for intricate and detailed machining. It features a robust construction that ensures stability and accurate results across a wide range of materials.



## Overview

### High-Performance CNC Engraving and Milling

The X.Graph 650 is a heavy-duty gantry-type CNC machine engineered for both flexible engraving tasks and demanding milling operations. It features a robust design with high-quality linear guides and preloaded ball screws to ensure maximum precision and stability. With advanced GPlus control integration and a 12-station tool changer, this machine offers efficient handling and rapid processing for complex 3-D designs.

## Technical Specifications

### Spindle Speed

**18000 rpm**

Spindle Speed

### Tool Changer Capacity

12 stations

## Features

### Key Machine Features

- Heavy gantry-type design for vibration dampening
- Graphics-based Cycle Editor for easy programming
- Spindle cooling system for extended tool life
- Automatic tool length measurement
- High-speed GPlus control processor

## Standard Equipment

### Connectivity & Storage

CF Card Storage • RS-232 Port • Ethernet

### Included Components

GPlus 450 Control, Electronic Hand-wheel, Tool Gauging, Headstock Cooling, Halogen Work Lamp, Automatic Central Lubrication

## Optional Equipment

### Available Upgrades

- 4th Axis