

K4000XMC Plasma Cutting System – Spec Sheet

Combination Plasma Cutting, Drilling & Milling System

Overview

The K4000XMC integrates plasma cutting, oxy-fuel cutting, drilling, and machining into a single high-productivity system. By combining these processes in one machine, fabricators can complete cutting and machining operations in a single setup, reducing handling time and improving overall production efficiency.

Key Specifications

Category	Specification
Plasma Cutting Thickness	Up to 4 in (102 mm)
Oxy-Fuel Cutting Thickness	Up to 8 in (203 mm)
Maximum Drill Diameter	Up to 2 in (50 mm)
Tapping Capacity	Up to 1 in
Boring Capacity	Up to 6 in
Milling	Interpolated milling to any diameter
Spindle	CAT 40 spindle
Tool Changer	24 tool stations
Table Width	Up to 18 ft
Table Length	Up to 200 ft
Traverse Speed	Up to 800 in/min
Control Interface	19 in LCD touchscreen CNC interface

Cutting Capabilities

- Plasma cutting up to 4" thick
- Oxy fuel cutting up to 8" thick
- Plasma bevel cutting
- Oxy fuel bevel cutting
- Triple oxy beveling
- Pipe cutting

Machining Capabilities

- Drilling up to 2" diameter
- Tapping up to 1"
- Boring up to 6"
- Interpolated milling
- Counterboring
- Chamfering
- Thread milling
- Part marking

Key Machine Features

- Integrated plasma cutting, drilling, and machining operations
- CAT40 spindle with 24-tool automatic tool changer
- Tool changes under 3 seconds
- Multiple marking systems available (plasma, inkjet, stamping, scribing)
- High-performance downdraft cutting table
- Dual rack and pinion drive system
- Linear rail guidance for high precision
- Heavy-duty welded gantry construction