

Three Axis Gantry Plasma Cutter

Industry: Metal Cutting

This company builds multi-axis metal cutting systems for various industries. Products range from one-axis straight-line torch cutting systems to high precision multi axis plasma, water, and laser cutting systems. These systems are used to cut precise intricate shapes and patterns. The control is CNC using Windows NT.



The three-axis gantry plasma cutter was designed to be compact, which left little cabinet space for the controls and servo drives. Another important consideration was price. Since this is a very price competitive industry - especially with smaller machines it was crucial that the selected drive meet the desired price point. The AMC 12A8 servo drive was selected for its high power density and excellent price. The 12A8 provided more than enough performance and fit very well in the cabinet.



During prototyping, the customer noticed instability on their pen plot testing. AMC's immediate response was to work onsite with the customer and provide technical help from the factory. AMC was able to diagnose the problem, and quickly solve their dilemma.

We take pride in our products, and find it very important to provide quick response if our customers experience problems.

Above: Standard 12A8 drive/amplifier. May differ in appearance from the actual custom product used.

