



**AKGEC-Fronius**

**ADVANCE WELDING TECHNOLOGY  
AND RESEARCH CENTRE**

# Smart Blade CNC Plasma Cutting System



Smart Blade is a Messer make, compact yet powerful, gantry type CNC Plasma Cutting system coupled with a Hypertherm make Plasma Cutting power source and a downdraft fume extraction bed. It can be used to cut MS and SS very precisely with equal ease and at high speeds. Having the positioning speed of 12 m/min, the CNC controller reduces idle time between cuts. Specially designed slag trays facilitate easy table cleaning and efficient extraction. Global Control, the most user-friendly touch-screen control means: Easy operation, from loading program to cutting in only 3 steps. Collision recognition (e.g. with tilted part) plus magnetic torch holder for plasma reduces risk of torch damage. Reliable height control via arc-voltage control improves nozzle life and cut quality for plasma.

## Machine Specification

Working Dimensions	: 1500 mm X 3000 mm
Working Height	: 700 mm
Positioning Speed	: 12 m/min
Plasma Power Source	: Hypertherm Powermax 45 amp
Maximum Plate Weight	: 47 kg/m <sup>2</sup> (Structural Steel Thickness = 6 mm)