

Automated Metal-Removal System

Arcair
Professional

ARCAIR-MATIC® N6000 Automated Metal-Removal System

- Gouging that is five times faster than hand held torches.
- Gouges more accurate and consistent.
- Automatic grooves that require less grinding than manually made grooves.
- Economical J-groove and U-groove edge preparations.



The Arcair-Matic® N6000 Metal-Removal System was designed to provide the best levels of control, uniformity and productivity in automated gouging of steels and other metals with the air carbon arc process. Usage of the N6000 System has expanded to a wide variety of new and unique jobs. The N6000 system measures minute variations in the arc voltage or amperage, compares them with preset standards, and takes immediate action through its feedback control maintaining the precise arc gap for optimum gouging.

Groove depth is maintained within a tolerance $\pm 0.025''$ (0,635mm). The N6000 System is ideally suited for metal fabrication, particularly in weld joint preparation, where it is used to prepare uniform "U" or "J" grooves. The System is also used extensively for backgouging of seams and for removing defective welds and cracks.

ARCAIR-MATIC® N6000 METAL-REMOVAL SYSTEMS

	(PART NO.)
Description	Arcair
120 VAC 60 Hz	65-991-013
220 VAC 50 Hz	65-991-014

TITAN® MACHINE CARRIAGE N6000 Grooving Kits

Packages listed below include:

- Titan Machine Carriage
- Lifting bracket
- One 10' Track Assembly
- Three Magnet & Support Bars
- Cable & Hose Clamp Assembly
- Horizontal Rack Assembly
- Vertical Adjustment Assembly
- Automatic Controller
- 1600 amp Contactor
- Torch Head
- Air Regulator
- 2 each 4' (1,2M) Power Cables
- 14" (356mm) Interconnect Cable
- 10' (3M) Remote Pendant Assembly
- 3' (1M) Motor Cable Assembly
- 4' (1,2M) Air Hose Assembly
- Pertinent Fasteners
- Clamps and Hardware Package

Catalog No. 71-022-701 comes with the Outrigger Kit instead of the Track Assembly and Magnet Support Bar Assemblies.

The Grooving Kit is designed for flat work only such as deck plates. It is completely self-contained and easily moved as a single unit with a forklift or crane from workpiece to workpiece.

The Outrigger Kit is specifically designed to travel along the web plate on fabricated bridge girders used for railroad and highway bridges.

TITAN CARRIAGE / N6000 KITS

	(PART NO.)
Description	Arcair
Grooving Kit 120 VAC, 60 Hz	71-022-700
Outrigger Kit 120 VAC, 60 Hz	71-022-701

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