

Infinity



**MULTI -
PROCESS**

**2 YEAR
WARRANTY**

**100% DUTY
CYCLE @ 40°C**

**MICRO -
PROCESSOR**

**STAR
WELD** ★

**WELDING
PRODUCTS**

**MADE IN
SOUTH AFRICA**



SUBMERGED ARC DC WELDING INVERTER

The Infinity 1000Amp is the flagship of the Starweld Range. The powerful inverter based machine, is Micro Processor controlled, and capable of performing multiple welding processes. The Infinity makes use of the sophisticated “Data-Link” communication system, that interacts between the power source and any ancilliary equipment.

FEATURES

- ★ **Versatile Multi-process Capability** - Including Stick, MIG, flux-cored welding and carbon arc gouging up to a 16.5mm carbon.
- ★ **High Duty Cycle** - Designed to deliver 100% duty cycle at maximum current with ambient temperatures up to 40°C.
- ★ **Manual Metal Arc Control Menu** - When performing manual metal arc welding, the arc can be adjusted to obtain a softer or more aggressive arc characteristic.
- ★ **MIG Arc Control Menu** - The rate of current rise and fall in the MIG mode can be controlled to reduce spatter, improve fluidity, and to enhance bead appearance.
- ★ **Digital Amp and Volt Meters** - Bright display of welding parameters, both presetable and actual.
- ★ **Data-Link** - This “State-of-the-Art” two way communication system, relays critical information between the power source and any fitted ancilliary equipment.
- ★ **Unique Cooling System** - The “tunnel” cooling design, protects critical components and printed circuit boards free from dust.
- ★ **Compact, Lightweight Design** - The machine weighs only 100KGS, and stands 1000mm in height. This makes it one of the lightest, most compact machine in its class.
- ★ **Robust Construction** - Components are securely mounted to enable the machine to operate in hazardous environments, including being mounted on generator sets.
- ★ **Two Year Warranty** - Warranty on all parts and labour.

AVAILABLE OPTIONS

Wire Feeder



Sub-Arc Tractor



Remote Control



Foot Pedal



Volt Loc
VRD



Technical Specifications	Infinity
Input Voltage	380V
Input Current	98.5A
Rated Output Voltage	44V
Rated Output Current	1000A
Duty Cycle @ 40°C Ambient	100%
Dimension - W x H x L mm	510x1000x670
Weight	100kg