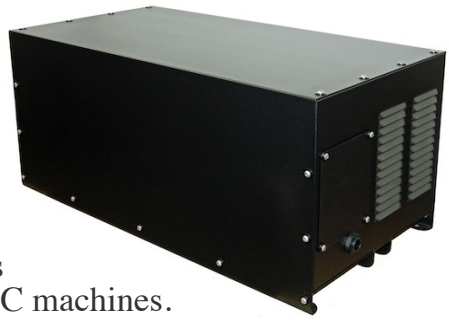
EuroTech Machinery Ltd
Cambridge New Zealand
www.eurotech.nz
027-448 5444
contact@eurotech.nz

Single to three-phase converter

MultiPhase™ for CNC machines



A MultiPhase converter is the ideal choice for all machines including those with VFDs and multiple inverters as in CNC machines.

MultiPhase powers machinery like CNC, VFDs, VSDs, CNC lathes, planers, saws, thicknessers, spindle moulders, band saws, drill presses, grinders, milling machines, combination machines, car hoists, surface or deep well pumps, welders, guillotines, conveyors, air conditioners and more.

With the Booster we delivered the first converter world-wide which supports load motors with high currents each time they start. The MultiPhase not only does this as well, it also keeps the output voltage symmetry within guaranteed limits at all loads. This is why leading converter manufactures world-wide use our electronics in their converters for all kind of voltages and throughputs up to 100kW.

The 8kW MultiPhase is available for 230V supply. Versions 12kW and above can be ordered for 230V single-phase or 460V split-phase supply.
All versions can be connected to run with 400V two-phase supply as well.

Select a MultiPhase converter with a kW rating that at least corresponds to the combined output rating of all motors running simultaneously or at least 1.2 times the kW rating of the largest connected load motor.

The 400V three-phase outputs supply pure sine waves with correct phase angles of 120 degrees.
The output voltage symmetry is electronically kept within + - 4% at all loads.
The 100% duty cycle allows for 24/7 continuous operation at full load.

The momentary motor start and overload capacity is 300%.
A MultiPhase 8 supports a welder up to 300A and a MultiPhase 12 up to 450A.

MultiPhase over 8kW are supplied as interconnected units of 8kW each. They contain long-life components such as a transformer, SCR power electronics, low-noise generator motors and high-voltage capacitor banks, housed in units of 800 x 410 x 370mm each. Digital displays inform about output voltage, output current and status.

The installation process involves connecting a single-phase cable from a switched wall outlet to the MultiPhase's input connector block and a three-phase cable from the 400V three-phase output connector block to several three-phase outlets for machines.

The free part-replacement warranty covers five years.

Booster and MultiPhase converters are designed and manufactured in New Zealand.