

Package 1 " 3D step set"

Plug and Play; All in Price

quantity	part
1	3D Step Driver
3	Stepper motors - DNC 57-610-01 - Dual Shaft
1	Housing + Component parts
1	Ring core Module 225VA
1	Power Supply Module 5A 45V 5V & 12V

£365.69

***Everything in one complete package,
Assembled, tested and ready to go!***

ex-VAT and delivery

£89.10 *3D step chopper driver*

This driver is basically three: 2.1amp drivers combined in one. It comes preassembled and tested which is nice if you don't like to solder.. It is bipolar so the full power of the stepper motors can be utilized. Interface is already combined. A click and go type driver

3 Channel step direction driver
0.4A up to 2.1amp/phase max bipolar
up to 44V motor voltage
logic TTL compatible 5v
two different chopper methods
motor current & chopper frequency easily set with trimpots
full - 1/2 step modes
pre assembled - click & play
short circuit protection
soft start for protecting driver & power supply
logic to connect up to 4 end switches
dimension 100x160mm

Advantages

Cheaper, Compact, Easy to connect

Disadvantages

Damage to 1 driver can mean damage to all 3
All motors must have same high voltage supply, using different steppers is harder to set up. Can not use separate power supply's
Due to compactness adjusting trim pots is harder
There are no relays for a spindle or coolant switches

£76.95 **3x DCNC 57-610-01 Dual shaft Stepper Motors**

These are high rpm type motors. Works well with uni and bipolar drivers. Ideal in combination with our 2amp bipolar driver and the 3D and 4D step cards as their spec's match.

Step Angle: 1,8 (200 step/rev)
Rated Current/Phase: 2A
Rated Voltage 3.4V
6.35mm shaft (1/4") dual shaft
Dimensions 57*57*76mm
6 wire motor (can be used with both uni and bipolar drivers)
Holding Torque: 0,9Nm (16Ooz)
Motor weight 0.95kg
Phase resistance 1.68 Ohms

£39.69 **1x DCNC 57-610-01 Dual Shaft Motor**

£81.00 **Brushed Stainless Steel Housing kit for drivers & power supply**

The housing is designed to fit the power supply and ring core modules offered. It incorporates a slotted design that allows the following drivers to be assembled: 2.1amp, 4amp, 3Dstep, 4Dstep, interface (the next series will include linisteppers) . The housing is offered in kit form as there are so many configurations possible, therefore the assembly will require some wiring and soldering skills

1.5mm thick quality laser cut stainless housing
on/off switch with light
euro socket & supply cable
4 DIN plugs and sockets + 6 meters of 5 wire stepper cable
Housing feet (rubber)
Cooling fan (12V)
Nuts & Bolts for all connections



Ring core transformer

A general ring core transformer can be used in combination with Power Supply modules to make a power supply, or can be used in combination with a dimmer to provide the wire heat control in foam cutting applications.

Type

£25.11 **160VA 2X15V (AC)**

£28.35 **225VA 2X15V (AC)**

160VA gives 42V (DC) max 3A

225VA gives 42V (DC) max 5A

Includes mounting rubber pads & bolts

Power supply Modules

In combination with a ring core transformer, a power supply for a stepper system can be constructed to supply a high voltage for the motors and the regulated 5V needed for electronics. Optional is a regulated 12V (1A) which can be used for fans and other equipment.

£33.21 **3A 28-42V & 1A 5V**

£39.69 **3A 28-42V & 1A 5V & 1A 12V**

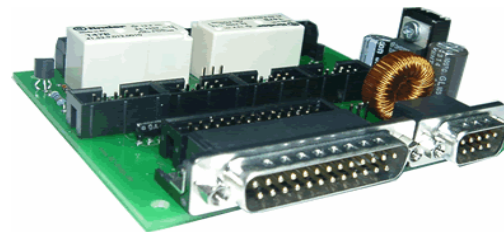
£42.77 **5A 28-42V & 1A 5V**

£46.17 **5A 28-42V & 1A 5V & 1A 12V**

£40.00 *4 Axis interface for the 2.1 Amp & 4 Amp drivers*

This kit allows up to 4 drivers to be easily connected to the parallel port of your pc. It is even possible to use 2.1amp and 4amp drivers on the same interface. Using the ribbon cables as slaving drivers therefore it possible to connect up to 8 drivers from this single interface. Two relays are included, so spindle and coolant can be turned on & off.

Connect up to 4 drivers easily with cables supplied
Switch up to two AC loads or 4DC loads with the Relays
Emergency stop switch connection available
Professional PCB assembled and tested
All cables included (10 ribbon+ 25pin subd)
4 input pins available for encoders or limit switches



5 Wire steppermotor connector cable

This cable works very well in stepper applications. Very flexible, allowing movement the axis without damaging the cable.

£2.50	1000mm
£6.00	3000mm
£10.00	6000mm

5 Pole DIN connectors

These connectors are very robust. Using these plugs to connect the stepper motors will make it easy to move your setup, not having to unscrew the connections again and again. The plugs are a very tight fit with the bus, ensuring a good connection

£2.50	1
£6.00	3
£10.00	6



Micro-switch

Very simple robust microswitch. Top quality roller type contact

Up to 3 Amp switchable

Roller type limit switch

Dimensions (l x w x h) 20 x 6 x 10 mm

Solder type contacts

£2.50	1
£6.00	3
£10.00	6



Package 2 " 2.1 Amp drivers"

Plug and Play; All in Price

quantity	part
3	2.1 Amp Drivers + Interface
3	Stepper Motors - DNC 57-610-01 - Dual Shaft
1	Housing + Component parts
1	Ring core Module 225VA
1	Power Supply Module 5A 45V 5V & 12V

£403.84

***Everything in one complete package,
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ex-VAT and delivery

£117.45 *Three 2.1 Amp bipolar chopper drivers + Interface*

This driver is comparable to our linistepper. It comes pre-assembled and tested which is nice if you don't like to solder.. It is bipolar so the full power of the stepper motors can be utilized.

step-direction type controller
0.4A up to 2.1amp/phase max bipolar
up to 44V motor voltage
logic TTL compatible 5v
two different chopper methods
motor current & chopper frequency easily set with trim pots
full - 1/2 step modes
pre-assembled - click & play
short circuit protection
soft start for protecting driver & power supply

£32.40 *1x 2.1 Amp driver*
£89.10 *Set of 3. 2.1 Amp drivers*

£76.95 *3x DCNC 57-610-01 double shaft Stepper Motors*

These are high rpm type motors. Works well with uni and bipolar drivers. Ideal in combination with our 2amp bipolar driver and the 3D and 4D step cards as their spec's match.

Step Angle: 1,8 (200 step/rev)
Rated Current/Phase: 2A
Rated Voltage 3.4V
6.35mm shaft (1/4") double shaft
Dimensions 57*57*76mm
6 wire motor (can be used with both uni and bipolar drivers)
Holding Torque: 0,9Nm (16Ooz)
Motor weight 0.95kg
Phase resistance 1.68 Ohms

£39.69 *1x DCNC 57-610-01 Dual Shaft Motor*

£81.00 *Brushed Stainless Steel Housing kit for drivers & power supply*

The housing is designed to fit the power supply and ring core modules offered. It incorporates a slotted design that allows the following drivers to be assembled: 2.1amp, 4amp, 3Dstep, 4Dstep, interface (the next series will include linisteppers) . The housing is offered in kit form as there are so many configurations possible, therefore the assembly will require some wiring and soldering skills

1.5mm thick quality laser cut stainless housing
on/off switch with light
euro socket & supply cable
4 DIN plugs and sockets + 6 meters of 5 wire stepper cable
Housing feet (rubber)
Cooling fan (12V)
Nuts & Bolts for all connections



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Includes mounting rubber pads & bolts

Power supply Modules

In combination with a ring core transformer, a power supply for a stepper system can be constructed to supply a high voltage for the motors and the regulated 5V needed for electronics. Optional is a regulated 12V (1A) which can be used for fans and other

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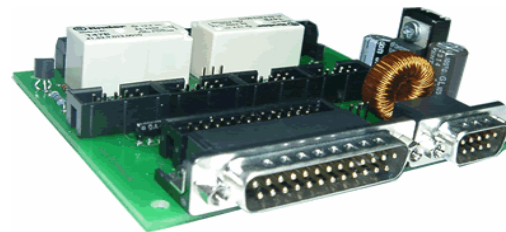
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£40.00 *4 Axis interface for the 2.1 Amp & 4 Amp drivers*

This kit allows up to 4 drivers to be easily connected to the parallel port of your pc. It is even possible to use 2.1amp and 4amp drivers on the same interface. Using the ribbon cables as slaving drivers therefore it possible to connect up to 8 drivers from this single interface. Two relays are included, so spindle and coolant can be turned on & off.

Connect up to 4 drivers easily with cables supplied
Switch up to two AC loads or 4DC loads with the Relays
Emergency stop switch connection available
Professional PCB assembled and tested
All cables included (10 ribbon+ 25pin subd)
4 input pins available for encoders or limit switches



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£10.00 6000mm



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£2.50 1
£6.00 3
£10.00 6

Micro-switch

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Up to 3 Amp switchable

Roller type limit switch

Dimensions (l x w x h) 20 x 6 x 10 mm

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Package 3 " 4 Amp drivers"

Plug and Play; All in Price

£606.29

***Everything in one complete package,
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quantity	part
3	4 Amp Drivers + Interface
3	Stepper Motors DNC H115 007
1	Housing + Component parts
1	Ring core Module 225VA
1	Power supply Module 5A 45V 5V & 12V

ex-VAT and delivery

£214.65 *4 Amp drivers + interface*

This driver comes tested and assembled. Is great for the bigger applications. Converting a large lathe or a Bridgeport mill is not uncommon for these drivers.

step-direction type controller
1A up to 4amp/phase max bipolar
up to 14-45V motor voltage
logic TTL compatible 5v
two different chopper methods
motor current & chopper frequency easily set with trim pots
full - 1/2 1/4 1/8 micro step modes
pre-assembled - click & play
short circuit protection
soft start for protecting driver & power supply

£65.61 *1x 4 Amp driver*
£186.30 *Set of 3. 4 Amp drivers*

£218.70 *3x Stepper Motors DNC H115 007 1.8Nm*

These motors have a very long stack length, producing 1,8Nm of torque, these should be enough for the largest applications. These are high current and low resistance type motors which can be used at higher rpm.

Step Angle: 1,8 (200 step/rev)
Current/Phase: 4,2A
10mm shaft
Dimensions 57*57*115mm
6 wire motor (can be used with both uni and bipolar drivers)
Holding Torque: 1,8Nm
Motor weight 1.55kg
Phase resistance 1 Ohms

£80.19 *1x DCNC 57-610-01 Dual Shaft Motor*

£81.00 *Brushed Stainless Steel Housing kit for drivers & power supply*

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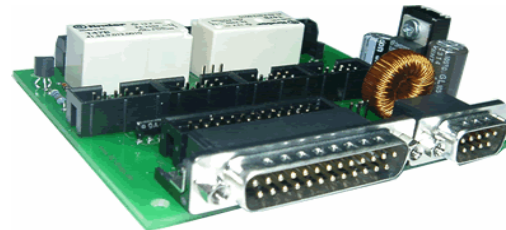
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