

TRM Milling Machine/Lathe kits Price List

Basic Kit:

- PMC4 motion controller with 10.4" display.
- Interface card and cables.
- Hand held jog controller.
- Start and Stop buttons.

The basic kit shown above is designed to be used to replace a controller with an existing electrical box with either DC or brushless servo motors.

Basic kit price £1900.

Basic kit with DC servo drives:

- PMC4 motion controller with a 10.4" colour display.
- Interface card and cables.
- Hand held jog controller.
- 3 off TRM 20-amp DC Servo drives.
- Start and Stop buttons.

The kit above is designed to be used to replace a controller with an existing electrical box with DC servo motors that need new drives.

Guide price £2200.

Complete Kits:

Many of the parts on an old machine may be obsolete, worn, undocumented or just at the end of their working life. Modern drives and encoders for example are much smaller and have much better performance than the old parts. The new electrical box is normally smaller and is relatively easy to install. Sometimes the amount of time and the difficulty of modifying an old electrical system makes it more cost effective to just replace it.

Complete 3 phase system for DC servo motors (for machines with existing DC servo Motors).

- PMC4 motion controller with a 10.4" colour display.
- Electrical box that includes:
 - a) Three phase mains filter.
 - b) Electrical disconnect.
 - c) Power Supplies.
 - d) TRM DC servo drives (3 off).
 - e) Interconnect card.
 - f) Three phase safety contactor.
 - g) Three phase solid state relay for coolant control.
 - h) Three phase solid state relay for Spindle control.
 - i) Oiler output (24 volts).
- Controller to Electrical box Cables, with Start and Stop buttons, two inductive proximity switches.
- Hand held jog controller.

This kit is ideal for machines that are already fitted with DC servo motors (within the voltage and current range of the TRM drives). This kit offers a single speed spindle, which is controlled by a three-phase solid state relay. The kits can normally be fitted in one or two days and are a good way of getting a machine working again as quickly as possible. TRM also offers a service to check and upgrade the servo motors, including fitting new bearings, brushes and encoders, this is at extra cost.

Guide Price £3400-00.

Complete 3 phase system for DC servo motors (for machines with existing DC servo Motors) and variable spindle drive.

- PMC4 motion controller with a 10.4" colour display.
- Electrical box that includes:
 - a) Three phase mains filter.
 - b) Electrical disconnect.
 - c) Power Supplies.
 - d) TRM DC servo drives (3 off).
 - e) Interconnect card.
 - f) Three phase safety contactor.
 - g) Three phase solid state relay for coolant control.
 - h) 4KW Three phase flux vector inverter for variable Spindle control *.
 - i) Oiler output (24 volts).
- Controller to Electrical box Cables, with Start and Stop buttons, two inductive proximity switches.
- Hand held jog controller.

This kit is ideal for machines that are already fitted with DC servo motors (within the voltage and current range of the TRM drives). This kit offers a variable speed spindle drive, which is controlled by a three-phase flux vector inverter. The kits can normally be fitted in one or two days and are a good way of getting a machine working again as quickly as possible. TRM also offers a service to check and upgrade the servo motors, including fitting new bearings, brushes and encoders, this is at extra cost.
Guide Price £3400-00.

Complete 3 phase system for brushless servo motors with a variable spindle drive.

- PMC4 motion controller with a 10.4" colour display.
- Electrical box that includes:
 - a) Three phase mains filter.
 - b) Electrical disconnect.
 - c) Power Supplies.
 - d) 1 kw Servo drives (3 off) *.
 - e) Interconnect card.
 - f) Three phase safety contactor.
 - g) Three phase solid state relay for coolant control.
 - h) 4KW Three phase flux vector inverter for variable Spindle control *.
 - i) Oiler output (24 volts).
- Controller to Electrical box Cables, with Start and Stop buttons.
- 1 kw Servo motors and drives (3 off) *.
- Hand held jog controller.

This kit is ideal for machines that are already fitted with servo motors, where the machine could benefit from motor upgrade. This kit offers a variable speed spindle drive, which is controlled by a three-phase flux vector inverter. The kits can normally be fitted in one or two days and are a good way of getting a machine working again as quickly as possible. TRM also offers a service to check and upgrade the servo motors, including fitting new bearings, brushes and encoders, this is at extra cost.

Guide Price £7600-00.

Notes

- Items marked with an asterisk * are subject to volatile pricing and the kit price is only a guide.
- DC servo motors can be supplied where needed at extra cost.
- Cable length is 3 metres but can be extended for a small extra cost.
- TRM can offer to replace motor encoders, the cost of this service depends on the motor, the resolution of the encoder, mounting arrangements and cable length.
- The kits include a portrait PMC4 controller, this can be substituted for a landscape version at no extra cost.
- The above prices are a guide and exclude VAT and delivery.
- The portrait controller is supplied with a "POD" and has a rear cable entry slot, this can be customised to suit the ideal machine mounting for your machine.