

# **6T-RCT INSTRUCTION & MAINTENANCE MANUAL**



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## **1. INSTALLATION**

### **MANOUEVERING MACHINE INTO POSITION**

The machine can be positioned with two methods:  
crane via the 4 lifting lugs in each corner of the machine or  
Min 3T Forklift with tyne extensions of 1.8meters

When using forklift ensure all cables are clear of tynes.

When positioning machine lower onto timber bearers so you can remove your forklift tynes, then lift the front of the machine via the coil cradle to remove timber bearers. Always use a spotter and ensure you are clear of any limit switches, motors or fragile parts.

Once in position adjust the four levelling screws in each corner of the machine with a 30mm spanner or socket to ensure machine is level.

Once level secure the machine to the floor with the four supplied anchor screws stored in the control box.

Before connecting machine to your 5 pin 20amp 3 phase power source ensure it is wired to Australian Standards (unless specified otherwise with Elliott Engineering)

Failure to have power source wired correctly will result in machine failure and Elliott Engineering will not be liable for any damage caused.

## **2. OPERATION**

**SEE INSTRUCTION VIDEO AVAILABE ON**  
**[WWW.ELLIOTTENGINEERING.COM.AU](http://WWW.ELLIOTTENGINEERING.COM.AU)**

Open safety gate and load coil onto tipper bed, always use a spotter and ensure coil is hard up against backboard to prevent any damage to your coil or machine.

Close the safety gate ensuring gate lockout switch is engaged and the gate latch is securely in position to prevent gate accidently becoming open during operation.

(cont.)

## 2. OPERATION (cont.)



Top red button:

-Emergency stop, depress button in case of emergency.

Middle 3-way switch:

-Engage to the left position to tip / unload a coil from its vertical transport position “unload”

-Engage to the vertical position to disable any machine function “off”

-Engage to the right position to return machine to unload start position or to stand up a coil. “load”

Bottom green button:

-Depress this button and hold it in to activate either of you desired “unload or load” machine functions

Once your coil is tipped to the correct position open safety gate and carefully remove coil with C hook or Forklift.

## 3. TROUBLESHOOTING

ISSUE	RESOLUTION
machine not operational.	Ensure all power cables are connected properly, gate is shut correctly, safety lock is latched, and emergency stop is not engaged.
Machine not operational (cont.)	Check four limit switches on machine have not been damaged or obstructed. Check that property circuit board has not been tripped. If so, check with your local authorised electrician as there may be an electrical fault that has risen.
Any other issues	Call Nathan on 0437624880

## 5. MAINTENANCE

Weekly maintenance – greasing drive shaft bearings and slew ring:

-Isolate machine and lockout with a personal isolation lock, grease the two bearings that sit directly below the tipping cradle (these will be either side of the cradle drive sprocket) continue to pump grease into the grease nipples until grease starts to pass through the bearing dust seals

-Below the cradle drive sprocket, you will find the slew ring with multiple grease points, evenly grease the slew ring until small fragments of old grease emerge from the slew ring dust seal.

-Check cradle drive chain has no slack in it at all and has a light film of grease or equivalent lubricant on the chain to ensure smooth operation.

-Check motor drive sprocket is not too loose or tight, it is recommended the chain has 10 – 15mm overall movement. Also ensure the chain has a light film of grease or equivalent lubricant on the chain to ensure smooth operation.

-Check the 4 limit switches can freely move, no bolts are missing and are not obstructed by any rubbish that may enter the machine.

## 6. CONTACT

**Nathan Elliott – 0437 624 880**

[admin@elliottengineering.com.au](mailto:admin@elliottengineering.com.au)

[www.elliottengineering.com.au](http://www.elliottengineering.com.au)