Film Rewinding Table Cat. CINE6

INSTRUCTIONS MANUAL Ver 1.6

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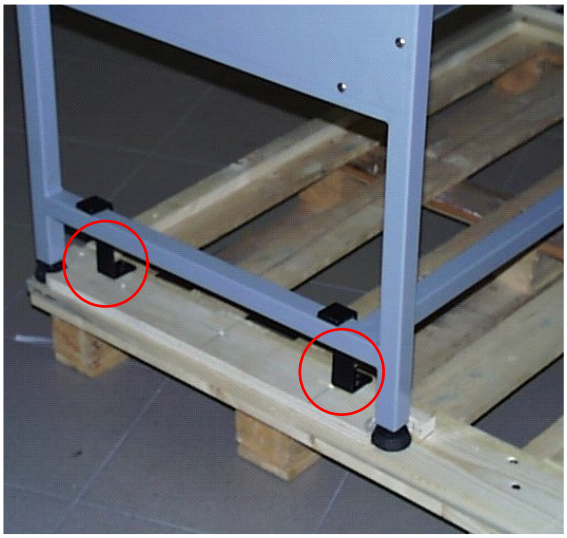
INSTALLATION

1.1 Packaging basement

To take out the Cine6 from the packaging basement, release it first unscrewing the anchorage brackets!



1.2 Security

The functionality and quality of this film rewinder are factory tested.

Read carefully the user's guide to ensure security and accuracy of operations.

The assembling and initialization of the equipment require people expert in the know-how.

Please attend to the following precautions for your safety:

- Place the equipment on a flat-bottomed floor, eventually compensating differences in level by regulating the little screw-feet.
- Check that equipment is correctly fed according to the labelled AC tension.
- Fuses have been installed for the protection of the electronic cards, of the motors and of the power supply feeders.

An emergency button, handy placed, provides for an immediate stop.

1.3 Equipment layout

1. Reel expansion axis (core holder)
2. 2000 feet plates (35mm)
3. 16/35 film roller
4. Handy Transport Wheel
5. Direction Switch
6. Spin Direction Switch
7. Giver Plate Clutch Control Switch
8. LightBox Switch
9. Pedal Control
10. General ON/OFF
11. Emergency Stop Button
12. AC socket (underneath)
13. Pedal Control socket (underneath)
14. Shelf-Film Holder

EQUIPMENT USE

SWITCH ON

To switch on (and off) the equipment use the marked switch.

In case of emergency, use the marked red emergency button to cut off the power to the equipment.

NORMAL OPERATION MODE

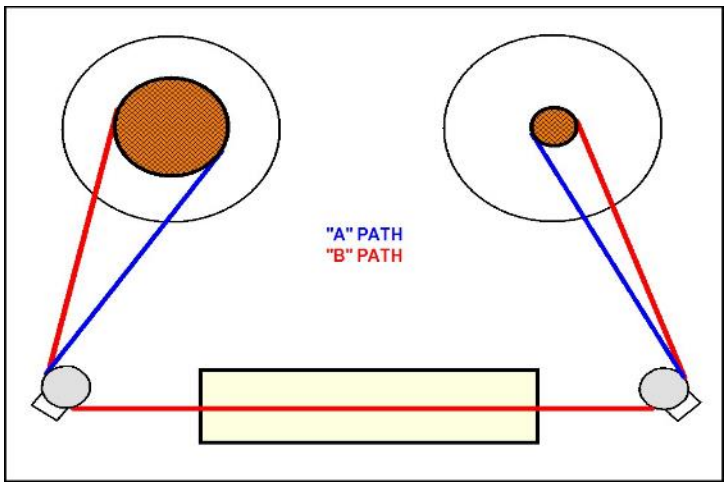
The Cine6 inspection table, has been engineered to gives the best possible experience when dealing with old, damaged and fragile films.
The film can be moved slowly and gently manually through the front handles. It is possible, at the same time, to get advantage of the motorized controls to wind/rewind the film.
The equipment will self switch to M pedal control will be activated.
The passage from Motorized to M trough a "Slowing down" phase, d which, both clutches will be activated so to help, through their friction, the film roll spin-down.
The "slow down" timer can be adjusted (from 0 to 2000 ms) getting into the settings when switching on the equipment.

If, when the "slow down" function ends, the pedal foot control is in a position different from "Stop" (or relaxed), the system will ask to reset it so to avoid any unneeded and risky for the film safety, spin up.

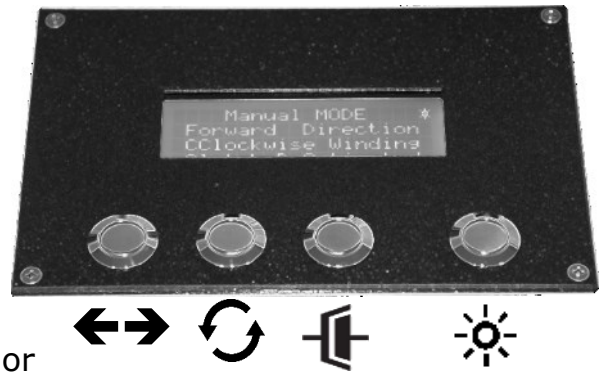
LOADING

The standard loading scenario is with the film loaded and rolled on its plastic core on the left plate (giver plate).

Film is then hooked to the empty core placed into the right plate (traction plate) after its passage through the adjustable width rollers.



EQUIPMENT CONTROLS



↔ WINDING DIRECTION

The winding direction can be selected as ***Forward Direction*** (left plate is the "giver" plate while right plate is the "tractor" plate and pulls the film) or ***Backward Direction*** (right plate is the "giver" plate while left plate is the "tractor" plate and pulls the film).

Note: The switching Forward and Backward direction function, will automatically switch the spinning direction (↻↔↺). This to help the operator in easily switch the film winding direction (when using the motors).

SPINNING DIRECTION

The *tractor plate* spinning direction can be selected as ***counter-clockwise (Cclockwise → "A" path*** from the picture***)*** or ***clockwise (Clockwise → "B" path*** from the picture***)***.

Giver Plate CLUTCH

Cine6 is equipped with 2 different clutches for every plate/motor asset. The plate-motor clutch of the "giver" plate will be manually controlled through the ***clutch*** control so to produce a light *passive* tension to the film (inner mechanics engaging).
The "giver" plate clutch can be eventually deactivated leaving it freely moving. This will require operator's skill in controlling the *'giver'* plate manually fractioning it.

The *handles➲plate* clutches are instead automatically engaged/disengaged by the system to avoid harmful rotations of the handles.

A "simple" and passive tension can be therefore used through the ***clutch*** switch.

Notes: All controls, except the LightBox switch, are not accessible when motors are active. An "**!**" symbol may appear onto the upper left corner when rolling the films: check here following '***TORQUE CONTROL'***.

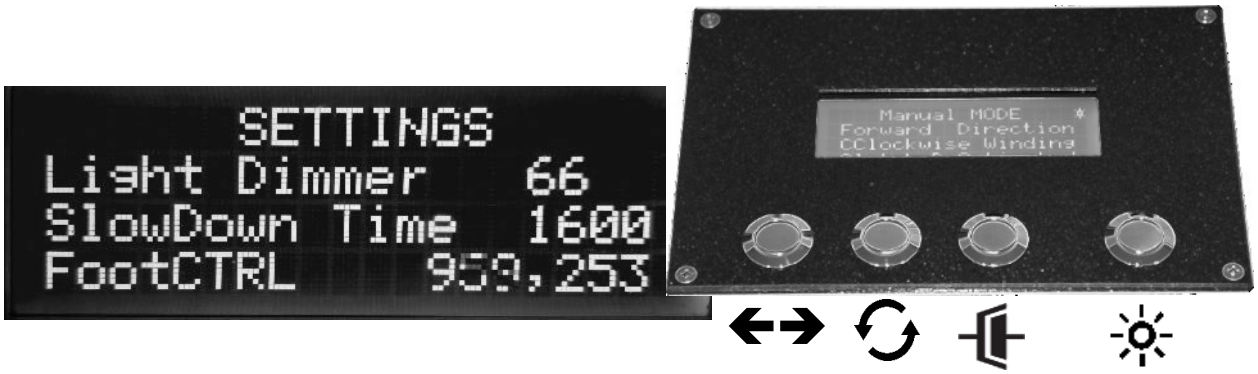
LIGHTBOX

Provided lightbox can be anytime switched ON/OFF through its ☼SWITCH .
Brightness can be adjusted (in a scale from 0 to 200) getting into the settings when switching on the equipment.

OFF SEQUENCE

Switch on (and off) the equipment through the MAIN switch.
When system goes off, all selected modalities are stored into the internal flash so to preserve operator choices.

SETTINGS



To get **access** to the setting menu, keep the *lightbox switch button* pressed when switching on the equipment.
To **confirm and save** the settings, keep pressed the *light switch button* for more than 3 seconds.

LIGHT BRIGHTNESS ADJUSTMENT (*LIGHT Dimmer*)

Lightbox brightness can be adjusted through the *Winding Direction Button*.
Button pressure will cause the value moving forward (up to 200) and then backward (down to 0) through the scale.
Attributed value can be selected from a 0 to 200 ranged scale.

SLOW DOWN FUNCTION TIMER SETUP (SlowDown Time)

The "Slow Down" time represents the time that will elapse when switching down from the *Motorized* mode to *Manual* and can be adjusted through the *Spin Direction Switch*.
This delay will helps the spin-down of the film plates engaging both clutches so to take advantage of the passive friction and resistance of the motor groups.
Button pressure will cause the value moving forward (up to 2000) and then backward (down to 0) through the scale.
Attributed value can be selected from a 0 to 2000 milliseconds base ranged scale.

FOOT CONTROL (*FootCTRL*)

The FootCTRL control shows two values that are representing the direct foot control reading (10bit based with a 0 to 1023 range) and the resulting converted 8bit value.

If a foot control calibration is needed, press the *Clutches switch* to get into the procedure.

The calibration can easily execute just pressing once forward and backward the foot pedal control so to allow the system reading of its extremes value.

Press again the *Clutches switch* to exit the procedure.

TORQUE CONTROL

The system is equipped with an internal torque control limiting logic which purpose is to reduce the traction applied when the force multiplier generated by the difference between the rolls diameter, become risky for the film integrity.

The activation of the protection is shown by a "**!**" symbol appearing into the LCD display in the upper left corner.

The way out from this condition will therefore be:

- Reduce the speed so to release the excess of tension.
- Deactivate the '*clutch*' passive friction and proceed manually in modulating the required friction to keep the control of the *giver* plate roll spinning.

The control can be eventually deactivated keeping pressed the "winding direction button" during the startup sequence (when switching ON the equipment). The "deactivated" state of the torque protection will be shown with a "**@**" symbol appearing onto the the upper left corner of the LCD when motors are active. The "**@**" symbol will eventually switch to a "**!**" when the pulling force will became excessive and risky for the inner electronics (current protection).

FOOT PEDAL CONTROL & PRESENCE BYPASS FEATURE

The inner system logic controls, in some specific situations beyond the standard, the foot pedal control to avoid unexpected plates reactions.

Immediately after the spinning down sequence, the foot pedal control position is checked and must be in the STOP (full downward) position; a message will pop up asking to fix it if condition isn't correct.

During the startup sequence, the foot control is expected to be parked in the STOP position; if not (or if the pedal foot control is missing or malfunctioning), a message will pop asking to move the control to the STOP position. The Lightbox Switch push, will forcibly exit from this control disabling, at the same time, the motors operation leaving the unit working ONLY in manual mode.

ADVICE: **Try your best to avoid sudden pedal control movements to reduce the risk of damaging the loaded film.**