

# SWISCUT 700 GLASS FIBER SLITTER

## Instructions:

ES Manufacture's SWISCUT 700 is a machine for slitting glassfibre rolls in widths commonly used in composite production. SWISCUT 700 is designed to quickly cut rolls of various widths. Follow these operation and maintenance instructions to insure safe and efficient operation of this machine. Failure to correctly adhere to these instructions will void any and all warranties.

## Operation:

For good cutting results, the machine must stand on level ground. Have a licenced, professional electrician connect the machine. Be sure polarity is correct and the machine is rotating in the correct direction as indicated on the blade cam cover. Be sure the gas-pressure-spring between motor and machine is properly fixed. Before beginning operation, remove the protection over the blades. *Attention, they are extremely sharp!* Never touch these blades. Be sure the knives can be moved freely by inserting the proper hex key into the screw E-2, then turning the motor by hand. It must be possible to easily move the knives without much force. Rotate the motor by hand at least five times around. Replace blade cam cover and start motor again. Immediately press the red stop button. This stop button is released by making a 1/8 turn in the direction of the marked arrow. Important: To achieve this, lift the hoop slightly. Repeat this procedure, now stopping the motor in the down position, allowing the hoop to come in contact with the sensor. The sensor will interrupt power to the motor. Note: the motor will not start unless the hoop is raised and contact is broken between the sensor and the hoop.

## Cutting the glassfibre rolls:

Lift the hoop until the gas-pressure-spring stops it's upward motion, allowing the protective blade guard to snap into place. Place the glassfibre roll onto the tub and set your desired measuring from the right edge of the knives. Now unlock the protection device, start the motor and put the machine into operation. Press the sawing hoop moderately down, allowing the knives to cut at their own speed. Take hold of the second arm in order to lead the hoop further down. As soon as you come near the cardboard core, reduce the pressure, allowing the knives to continue to cut through the core properly. When you pass through the core, the cutting process continues with an accelerated speed. Be sure to lighten your pressure just before you complete your pass through the roll, not to rip the final section.

## Lifting out the slit rolls:

Leave the sawing hoop down and remove your slit roll. By leaving the blades in the down position, you insure unintentional contact with the blade.

## Precision cutting device option:

The precision cutting device consists of the left and the right material stop. These stops move on a ground steel shaft and may be swung out of the way if necessary. To cut small, precise slits, fix the roll tightly between both stops. This will stabilize the roll for more accurate slitting. The precision of the cut depends on various factors: *Blade sharpness; Consistency of material; Tightness of roll; Operator skill and consistency.*