

## Machine Maintenance

### Things you will need:-

1. Surgical spirit
2. Two coffee/jam jars
3. small brush
4. lint free material
5. Long machine cleaning brush.
6. Machine oil (not 3 in1)
7. surgical gloves
8. latch tool or needle

### Method.

- Take out the sponge/retainer bar to release needles.
- Take the middle 100 needles out and place in one jar and the 50 each side into the other jar. Hooks up, so the needle butt is in the fluid.
- Put some surgical spirit in both jars with a few drops of oil. Shake the jar to release dirt from the needle.
- Using the brush and twisting it, carefully push the fluff out. Do not push the brush to the other side. If the brush gets stuck, take it out and using the latch tool or needle carefully pull the fluff through the front grid.
- When it is clean you should see through the length of the machine.
- Wipe the top of the machine with surgical spirit, also the groove the carriage runs on.
- Take the needles which were in the middle, wipe each one with an oily cloth and place each side.
- Do the same with the side needles and place them in the centre. ( We do this as the centre needles are used most, so we alternate them with the side ones which are not used as much).
- Put some oil on your fingers and brush along the needle butts.
- Brush the carriage and clean the runners with surgical spirit. Lightly oil the runners, not the rest of the carriage.
- Run the carriage along the needle bed and this will deposit oil onto the under carriage.
- With a cotton bud and surgical spirit, run this behind the pattern band, run the carriage over on a pattern setting, to move the band and do the same. Then repeat with oil on the bud.
- The plastic parts can be wiped over with a cream detergent, do not use this on any metal parts.