

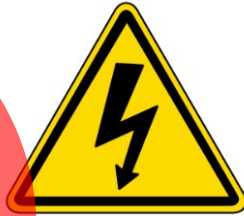


# C800 Analytical Table

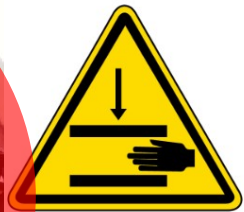
Operation and Maintenance Manual



# Safety



The C800's electrical system is IP66 rated, protecting it from strong water jets. However, direct spraying of water on the electrical system should be avoided.



The spring loaded knocking mechanism is a potential pinch point and care is needed when in operation.



The C800's sliding mechanism is guarded, but there is a potential minor pinch point between the tray and the machine frame. Care is needed during operation.

# Controls



Motor Control

Speed control

Speed control

Forward reverse

Power on/off



Irrigation  
water  
control

Wash water  
control



# Removal of the tray (1 of 2)

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1. Turn off power



2. Remove side panel

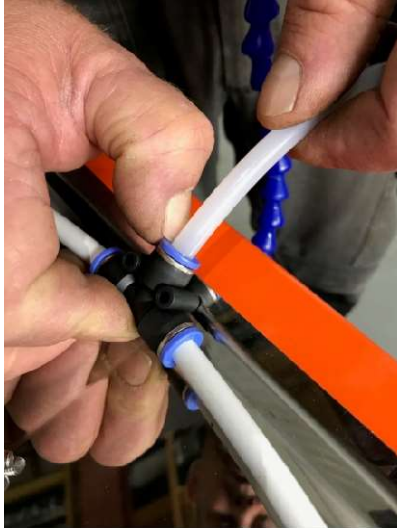


3. Disconnect tray springs (4)



# Removal of the tray (2 of 2)

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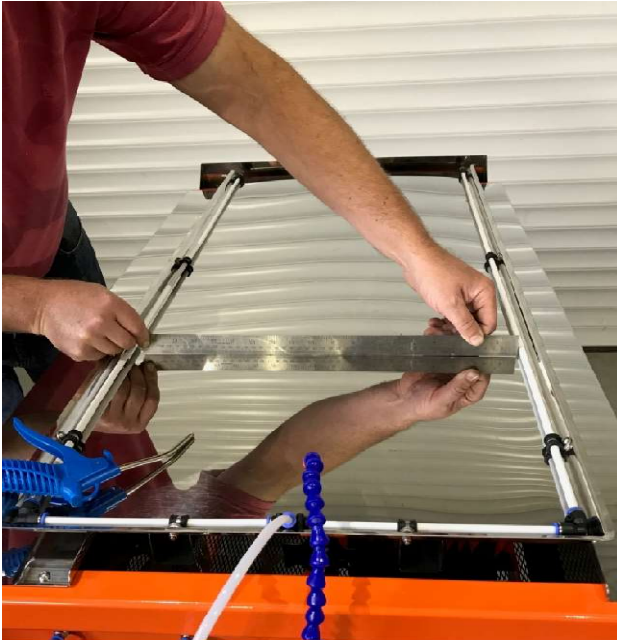
4. Disconnect wash water



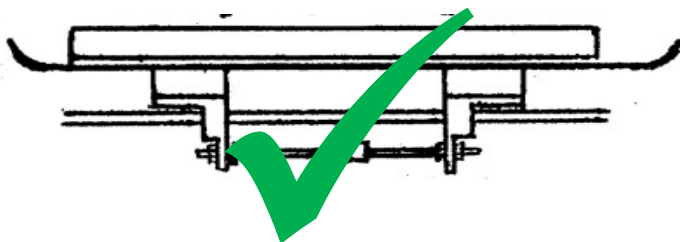
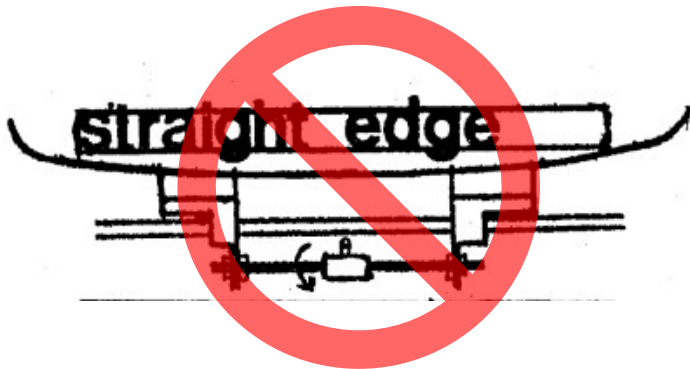
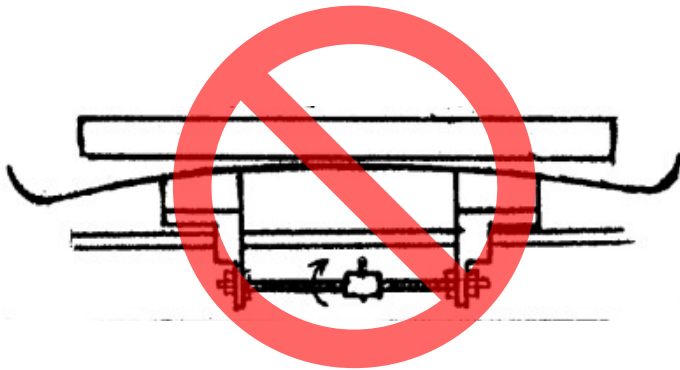
5. Disconnect knock spring (1)

6. Assemble in reverse order

# Profile adjustment flat tray (1 of 2)



Flat tray profile must be checked with a flat edge



# Profile adjustment flat tray (2 of 2)



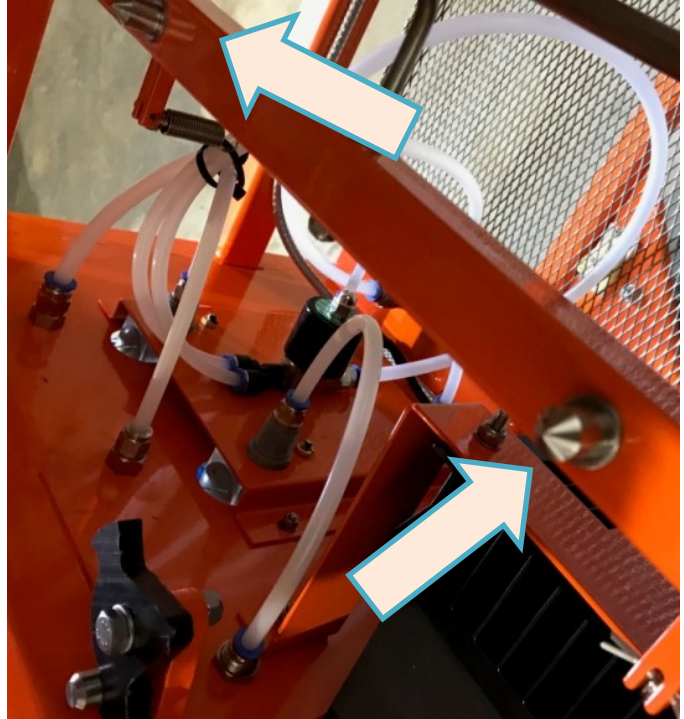
Profile adjusting screws



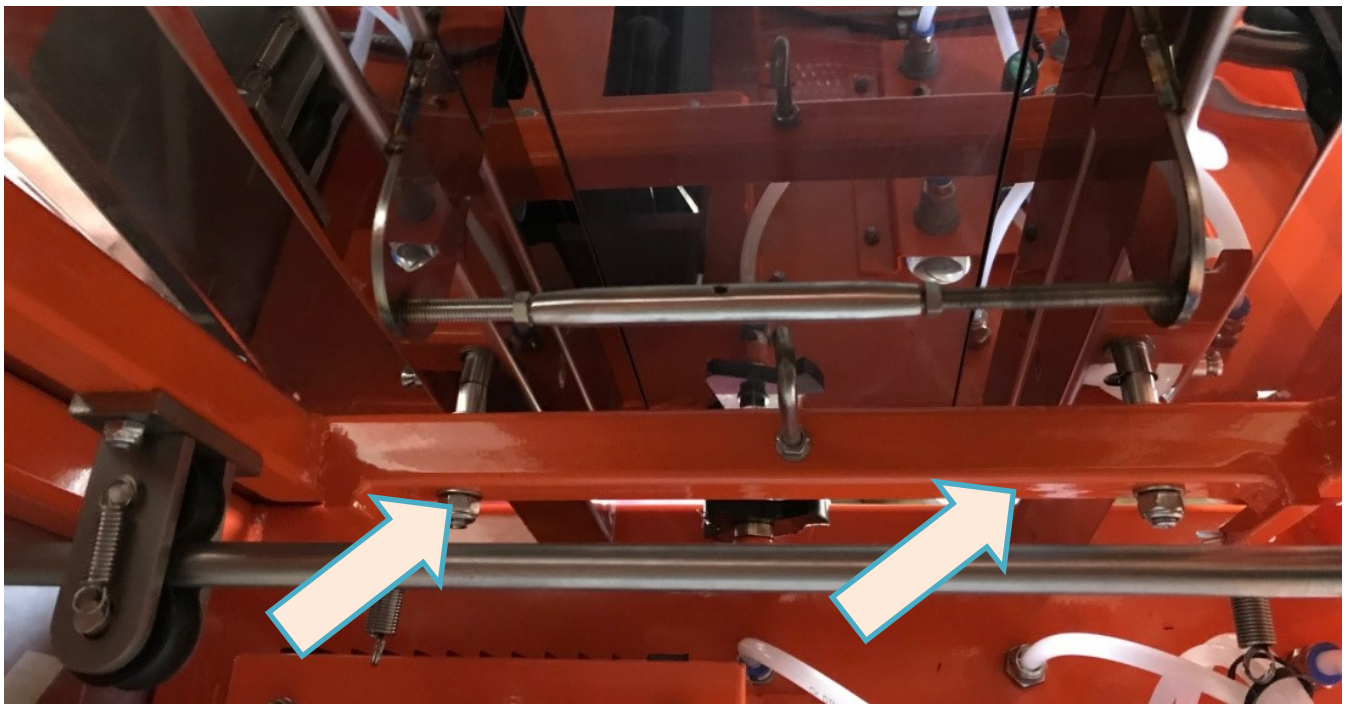
Tighten or loosen as  
necessary to obtain a flat  
profile



# Fitting the flat tray



Holes in the flat tray must be positioned on these pins



# Preparing the flat tray

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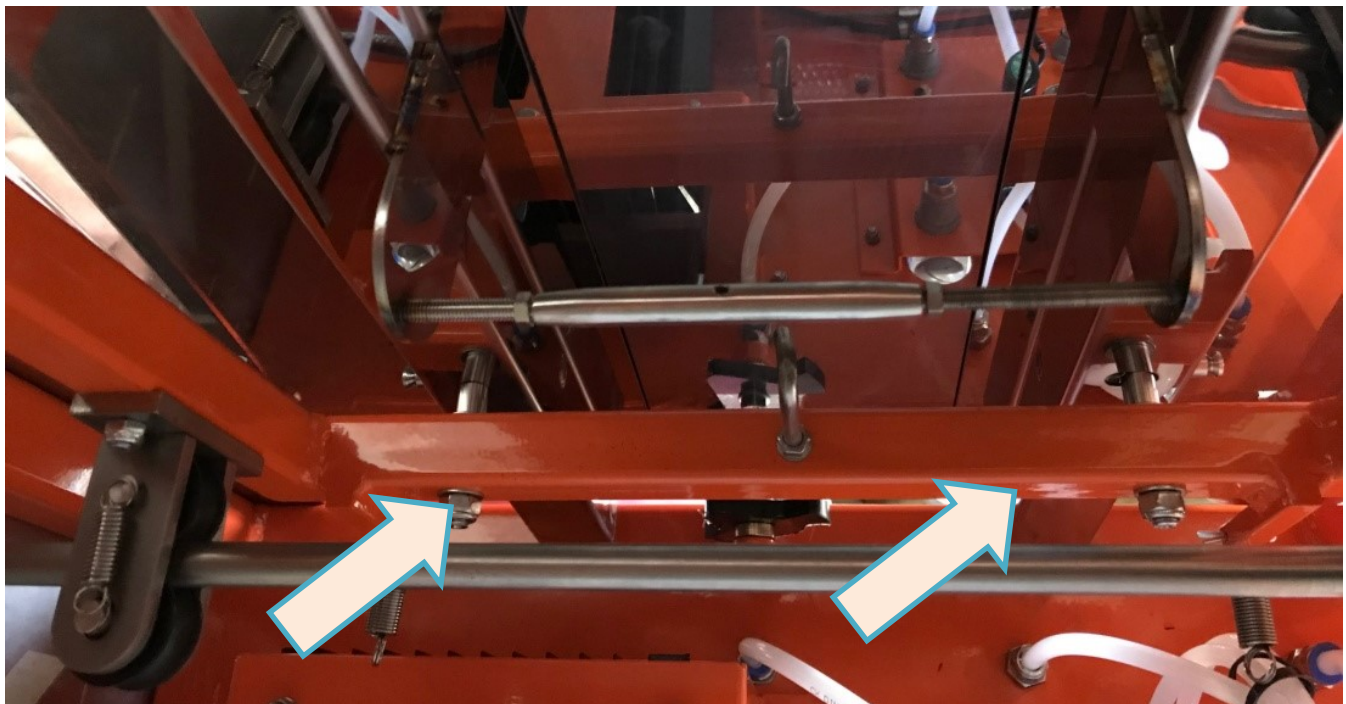
To ensure good separation, the flat tray surface should be abraded with fine abrasive paper. The flat tray should thoroughly degreased before use and fingerprints avoided.



# Fitting the V tray

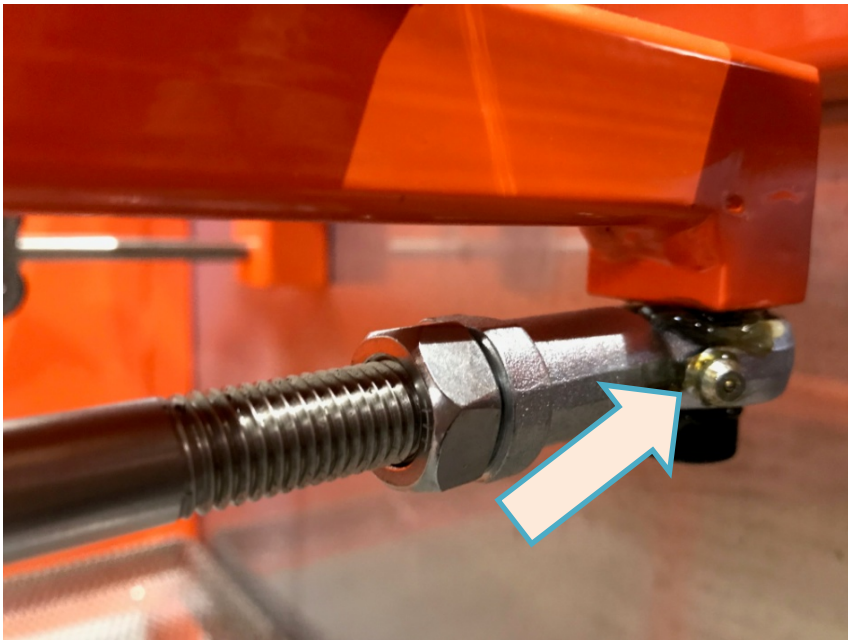
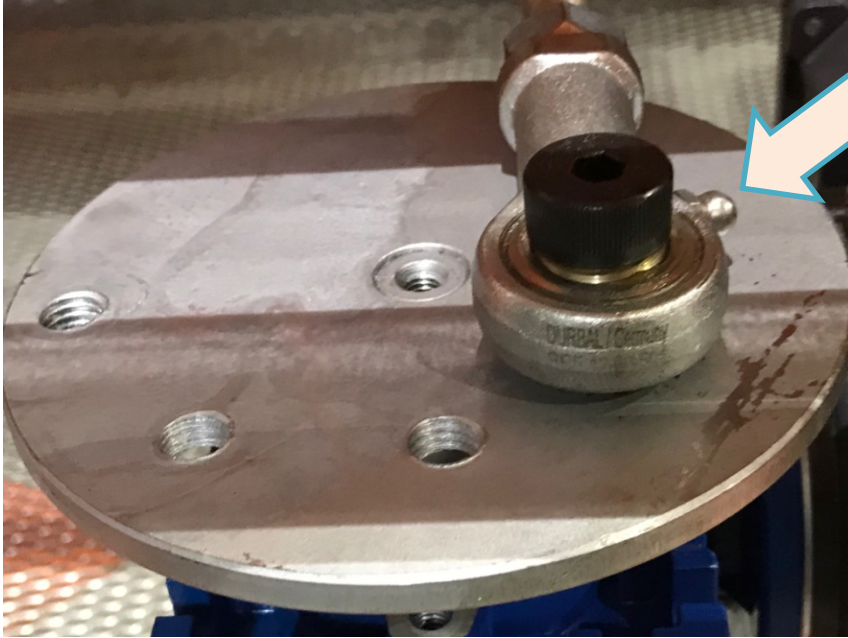


Slots on the V tray must be positioned on these pins



# Lubrication – greasing points

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# Leveling and Slope adjustment

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Adjust screw jacks



Check spirit level



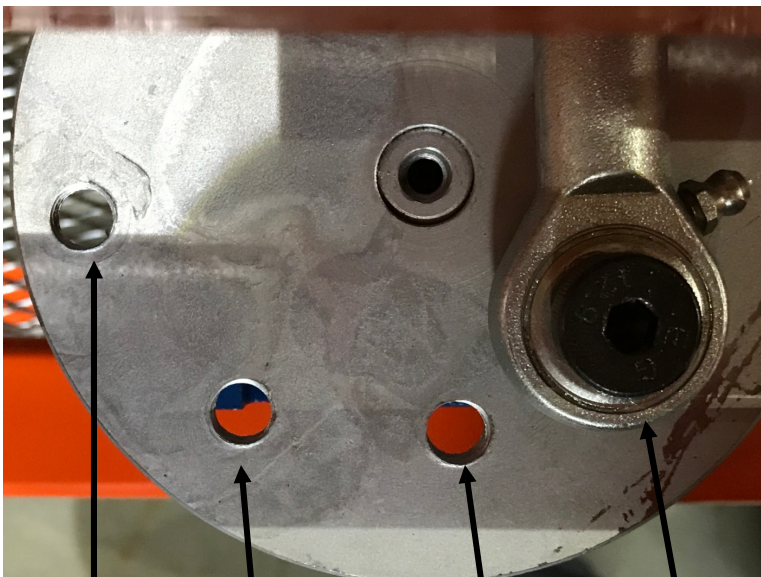
# Amplitude Adjustment



1. Disconnect from power supply



2. Remove side panel



3. Amplitude set from the factory at 2.5" mm for the V tray

Flat tray only 3", 3.5" or 4"

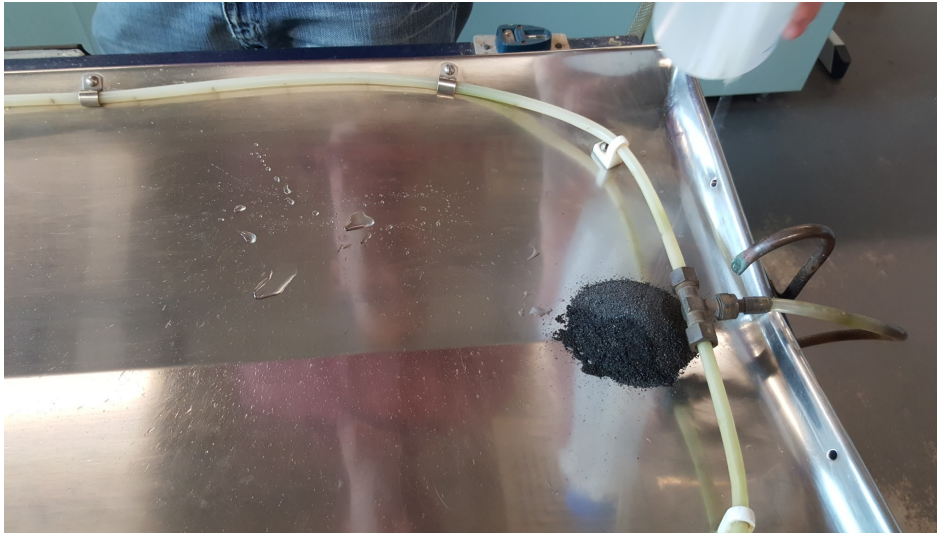
4"

3.5"

3"

2.5" standard setting

# Procedure for carrying out a separation (1 of 3)



1. Load prepared dry sample at head of tray (approximately 50-100g)



2. Dampen sample thoroughly



3. Start machine and set wash water



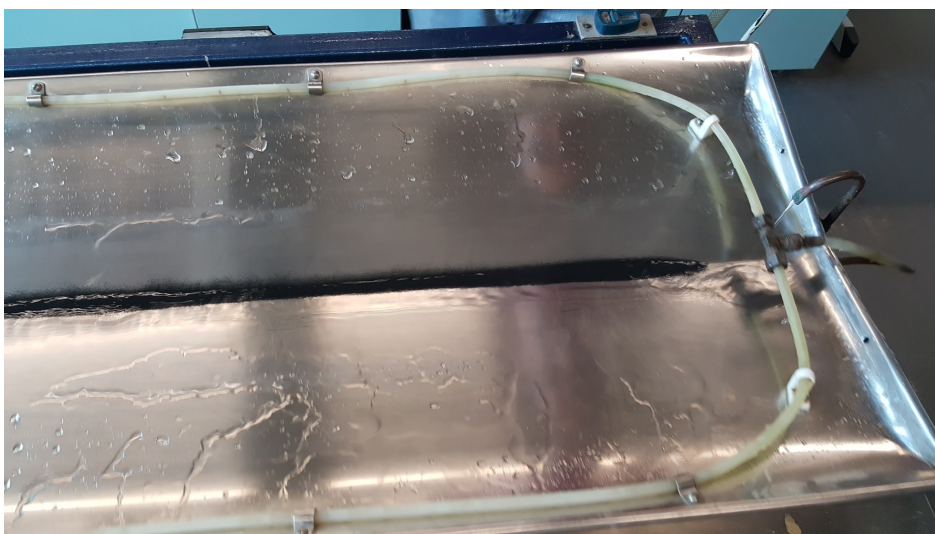
# Procedure for carrying out a separation (2 of 3)



4. During test wash away any that beaches as necessary



5. Continue washing sample from the sides to avoid contamination of the sample



6. Continue test until only heavy material of interest is left on the table

# Procedure for carrying out a separation (3 of 3)



7. Inspect sample for defined material bands. Heaviest material will be at the head of the table.



8. Divide remaining concentrate into number of splits required for analysis

