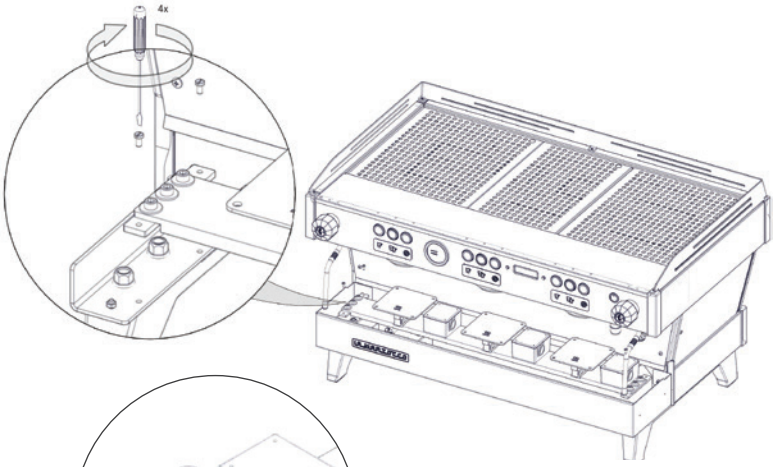
ABR Scales Installation Guide

# linea pb

la marzocco
handmade in florence

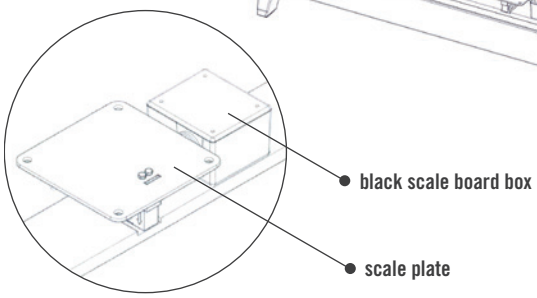
## 1. Fit High Legs

Additional bolts and high legs are provided with the machine for easy access to the control board under the drain tray. Fit high legs first.




## 2. Install the Scale Bar

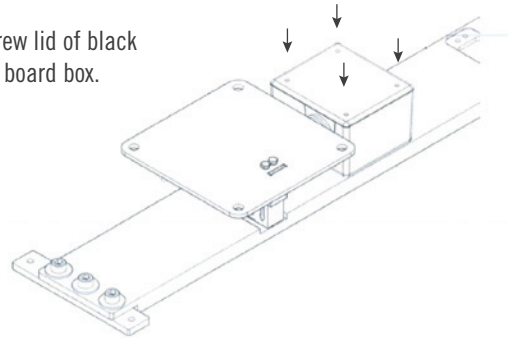
- Make sure the machine is off and disconnected from the power source.
- Carefully place the scale bar in the machine, taking care not to bend, twist or lift the scale plate. Making sure to hold only by the black scale board boxes and aluminum frame.
- **Do not** get the scale boards wet.
- **Do not** reach between the scale plate and back splash.
- Fit the brass cross bar screws, take care not to over-tighten, four turns or finger tight is acceptable.



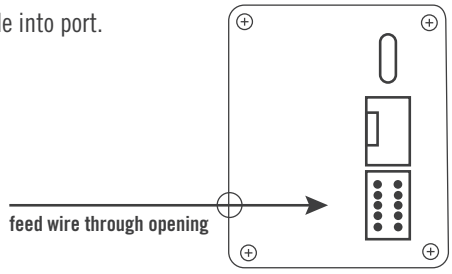

## 3. Connect the Communications Cable to Scale Board

Carefully plug in the connector to the left hand scale board, trying not to bend any contact block pins. A black additional multicore communication cable is provided to connect to the left hand scale board. Take care plugging and unplugging the connector.

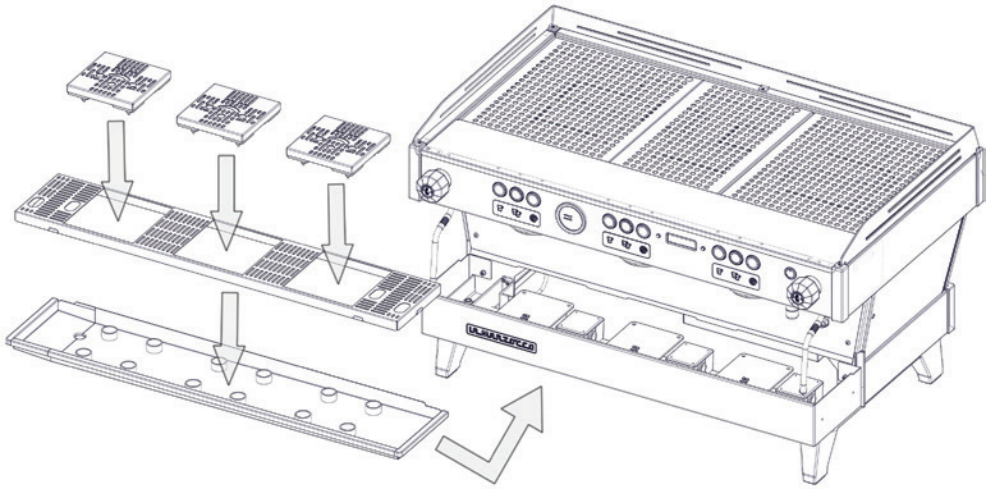
**1.** Unscrew lid of black scale board box.



**2.** Plug cable into port.

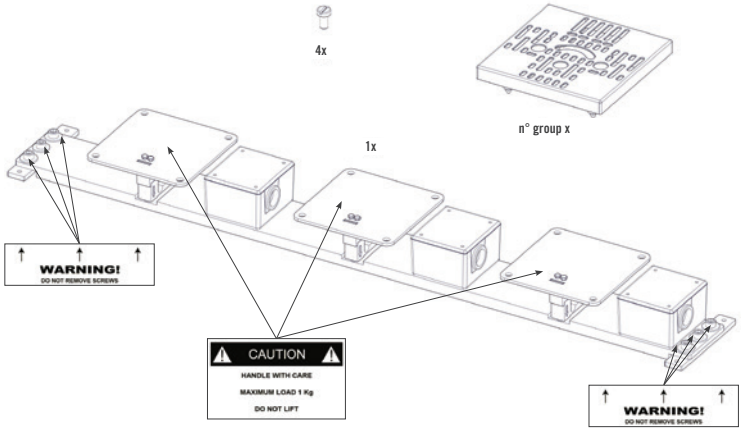


# 4. Assemble Scale Drain Tray



# 5. Transport

- Switch the machine off and disconnect from power source.
- Carefully remove connector from the left hand scale board.
- Carefully remove the brass cross bar screws.
- Carefully place the scale bar in secure packaging.
- Unplug and carefully remove the scale bar every time the machine is transported.
- Remember to only hold by the black scale board boxes and aluminum frame.
- It is recommended to use original la marzocco packaging.




**Machine needs to be installed on a flat surface and the scale bar needs to sit perfectly horizontally. Care should be taken when connecting communication cables and handling the scale bar.**

## Damage to the scales can be caused by the following:

- **Mechanical Shunt** — A physical obstruction or interference with any part of the weigh cell. This could include the drip tray or drip grate leaning against the plate atop the weigh cell or the communication cables underneath obstructing the weigh cell.
- **Mechanical Overloading** — If excessive weight is placed on the weigh cell, it can cause damage to the weigh cell. Weight placed on the weigh cell should not exceed 1kg.
- **Moisture Ingress** — If moisture makes its way into a black load cell electronics box it can damage the circuit board inside and possibly the communication cables between the black boxes and/or the weigh cell. Moisture can only get in when the black box has been opened for service, therefore, please take extra care during this time and use blind portafilters to prevent possible drips landing on the circuit board.
- **Internal Short** — A short circuit within the machine can redirect surplus power throughout the cables and damage components such as weigh cells.
- **Failed Connector** — Wires not fastened correctly to the connector will provide a weak signal/no signal causing the weigh cell to not operate accordingly.