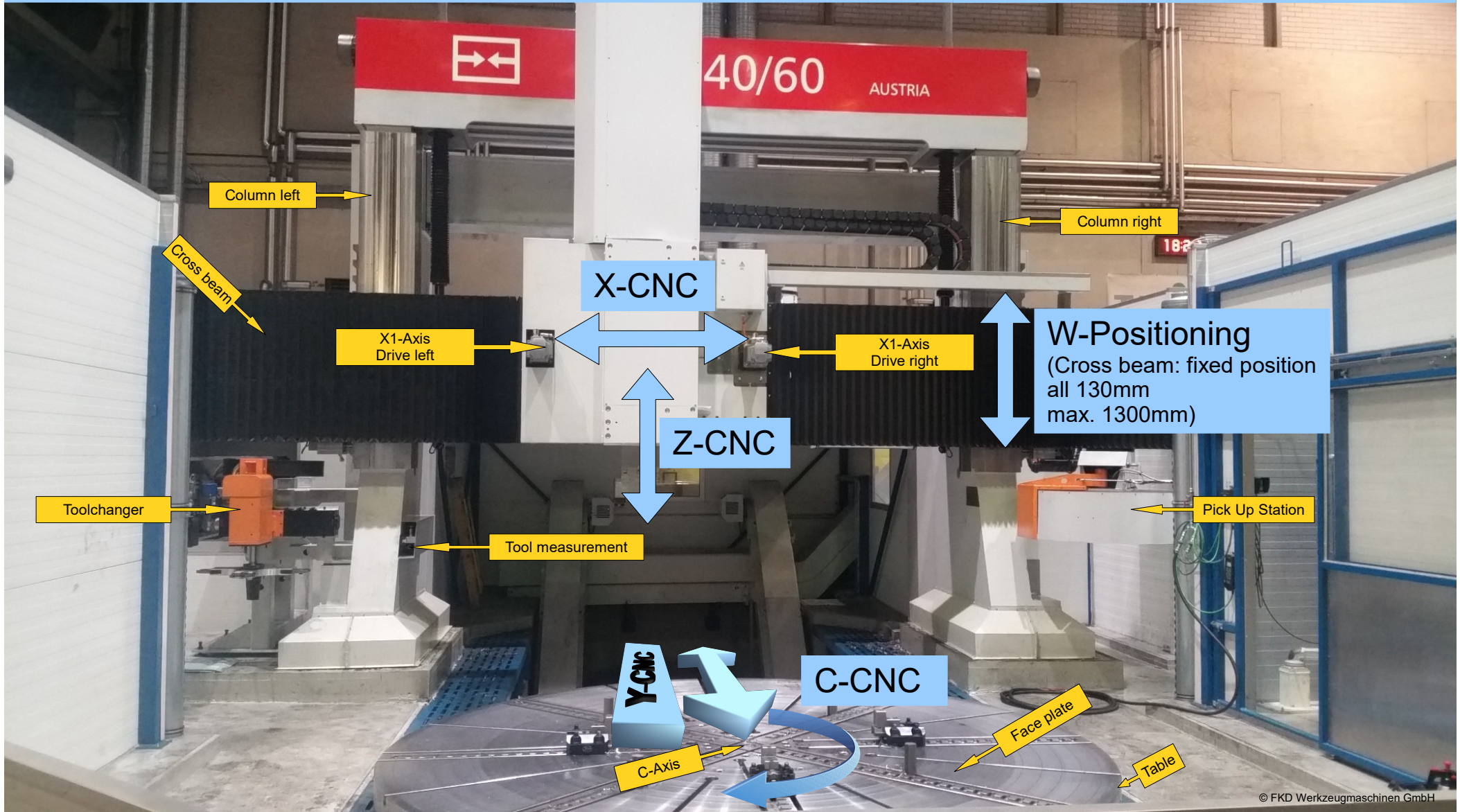


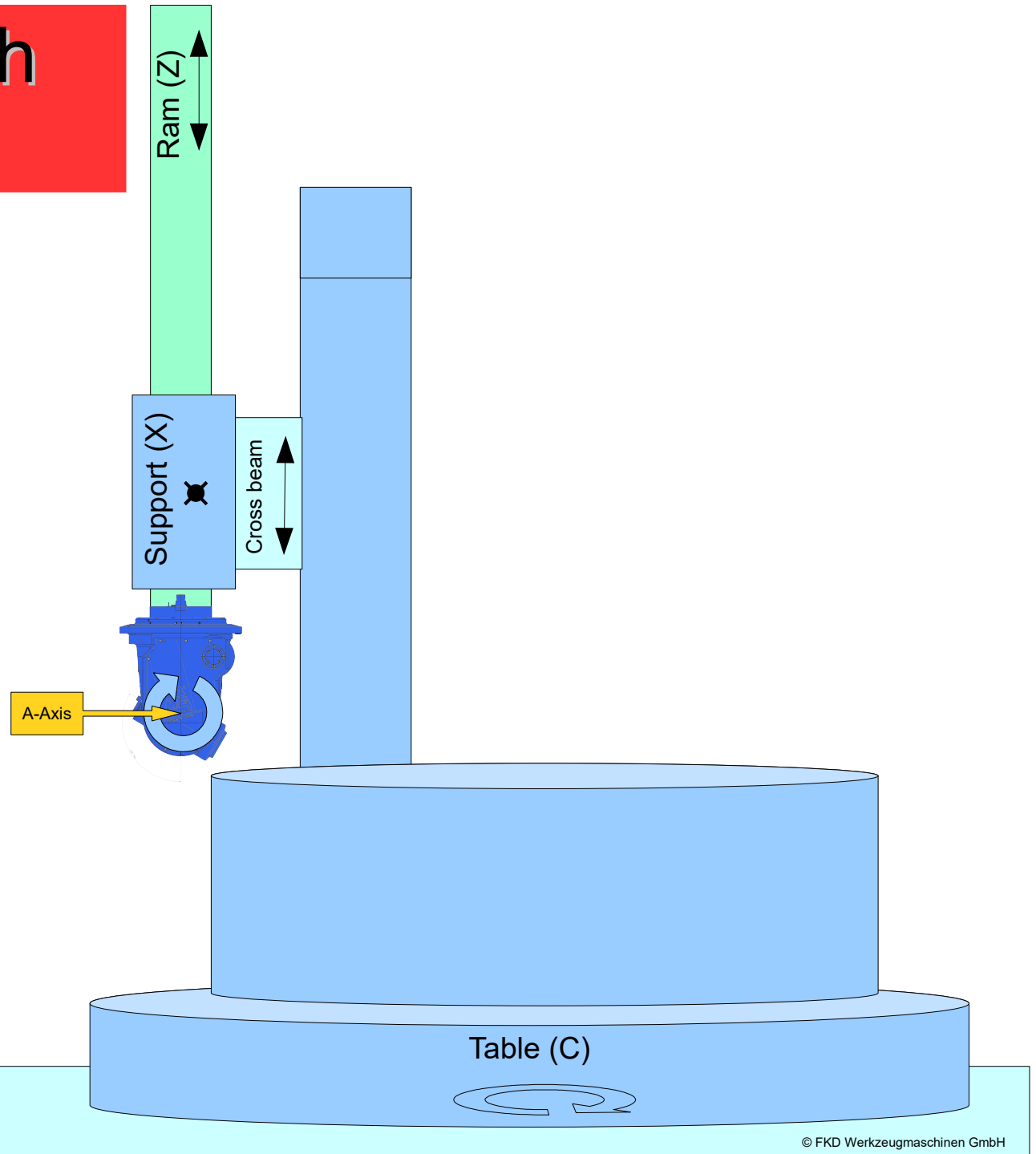
# FKD40/60CNC with Y-Axis (Front view)

Axes X,Y,Z,C, A: Simultaneously movement at machining.  
W (Cross beam): Only for stepwise height adjustment of the cross beam.

The stroke of the Z-Axis can be adapted by moving the position of the cross beam.



# FKD40/60CNC with Y-Axis *(Side view)*



# FKD40/60CNC with Y-Axis

Axes X,Y,Z,C, A: Simultaneously movement of these axes at machining (5-Axes CNC machine).

## •X-Axis:

- Backlash free drive due to the principle of Antrieb durch das Prinzip Client-Server (Master-Slave)

## •Y-Axis:

- Backlash free drive due to the principle of Antrieb durch das Prinzip Client-Server (Master-Slave)
- Simple loading of the machine
  - The faceplate table can be moved all the way forward to the operator (using the Y-axis)
  - When the faceplate table has moved all the way forward to the operator, the workpiece can simply be lifted onto the faceplate table and be attached onto the faceplate.

## •Z-Axis:

- Ram
  - Cross section 300mm x 300mm
  - 2000mm stroke
  - Precise guidance through guide ways

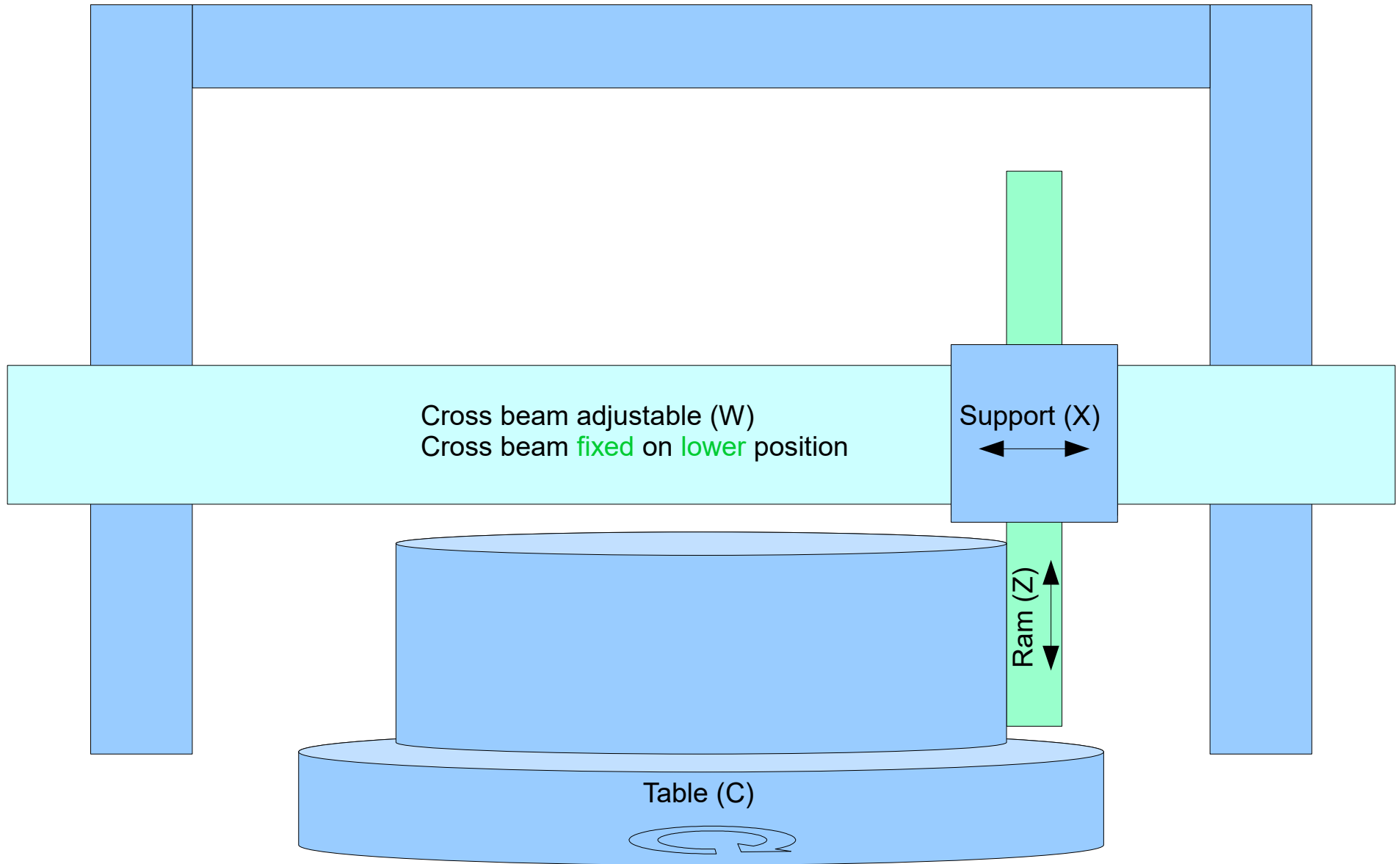
## •W-Axis (Cross beam)

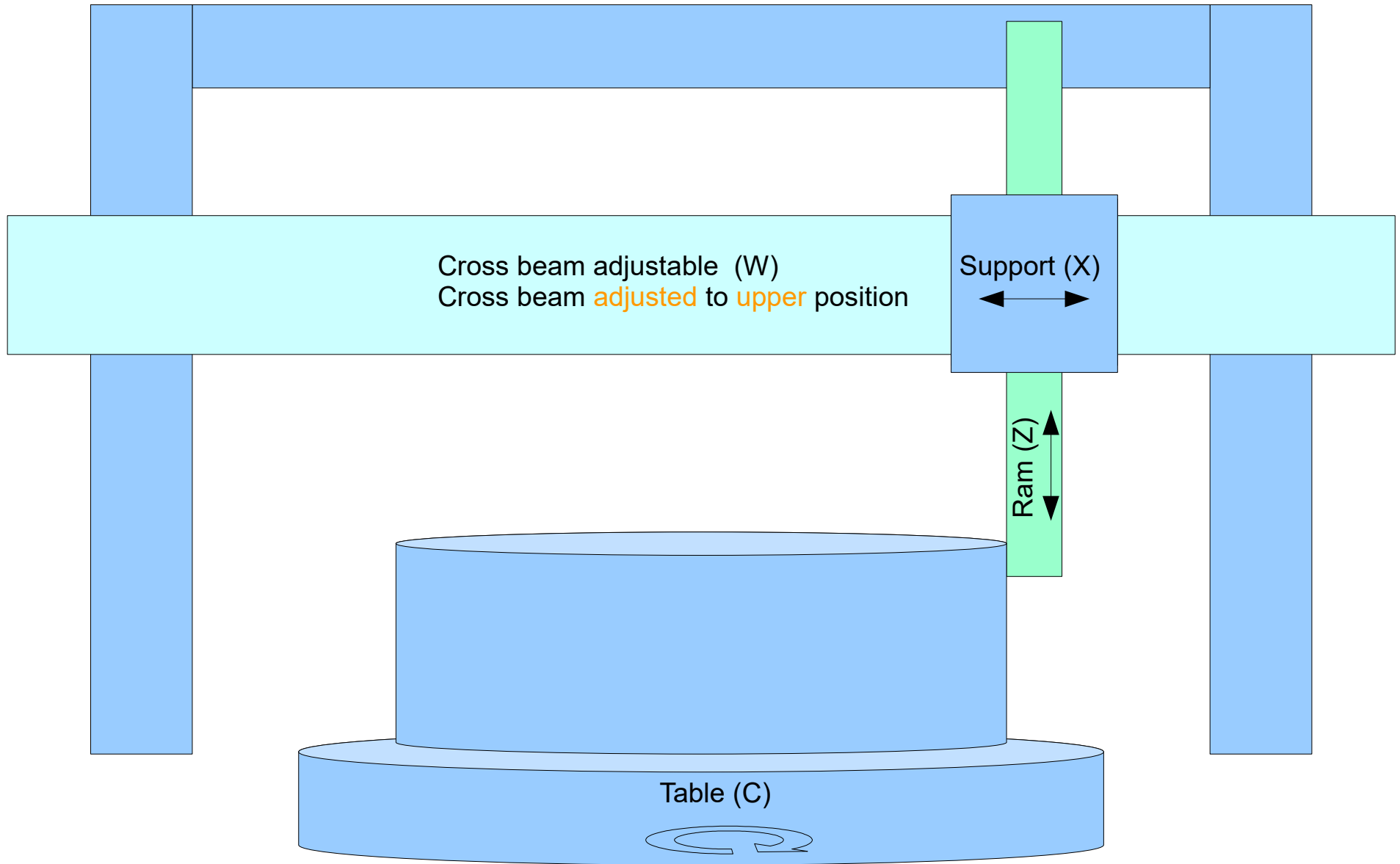
- The cross beam is placed onto toothed racks, clamped hydraulically and the Z-position and the W-position are automatically calculated by the length measuring system (Heidenhain).
- Only for the stwp wise height adjustment of the cross beam.

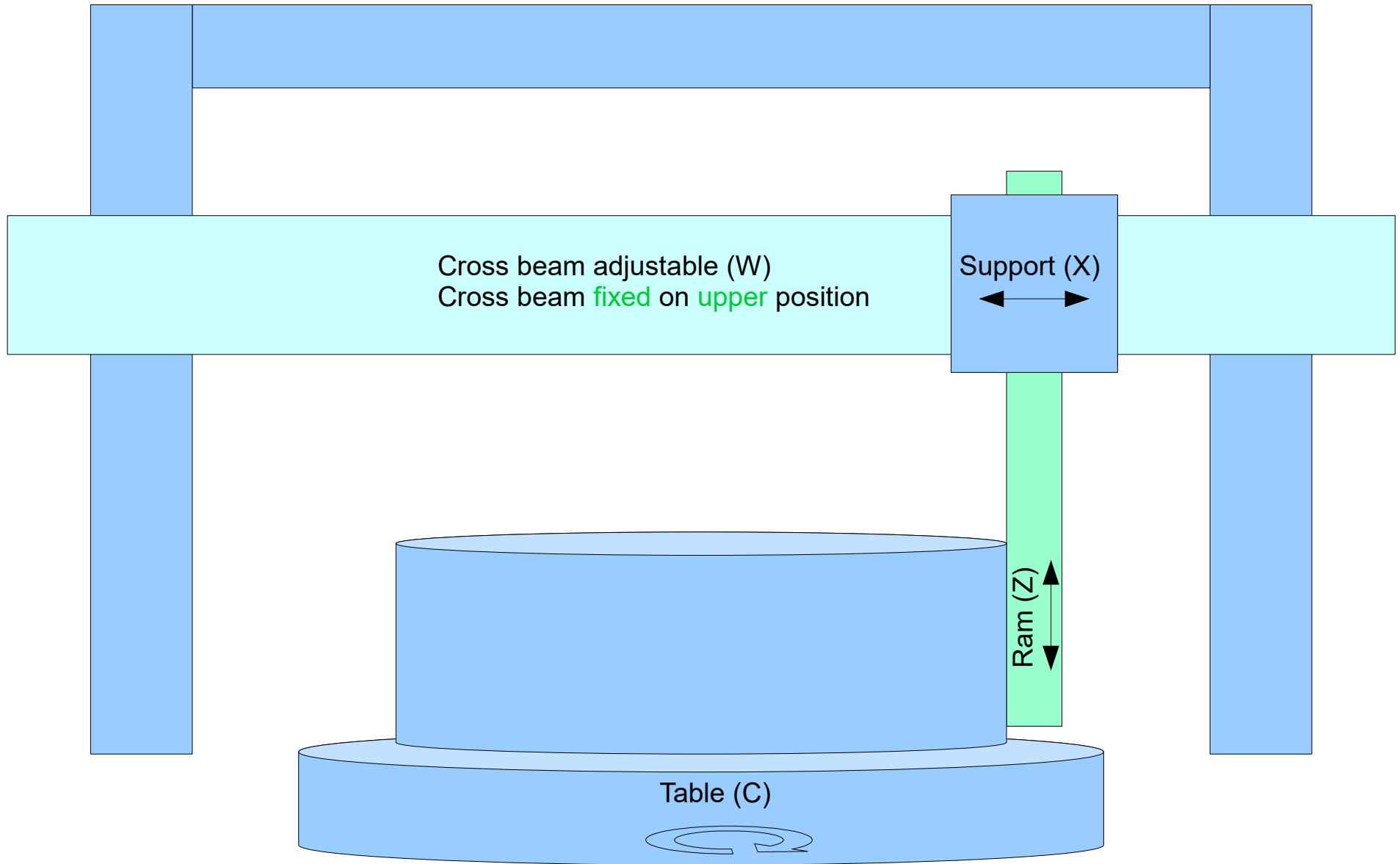
## •Faceplate table (table): maintenance free

## •Fork angle head (A-Axis)

# Adjusting Cross beam (W)





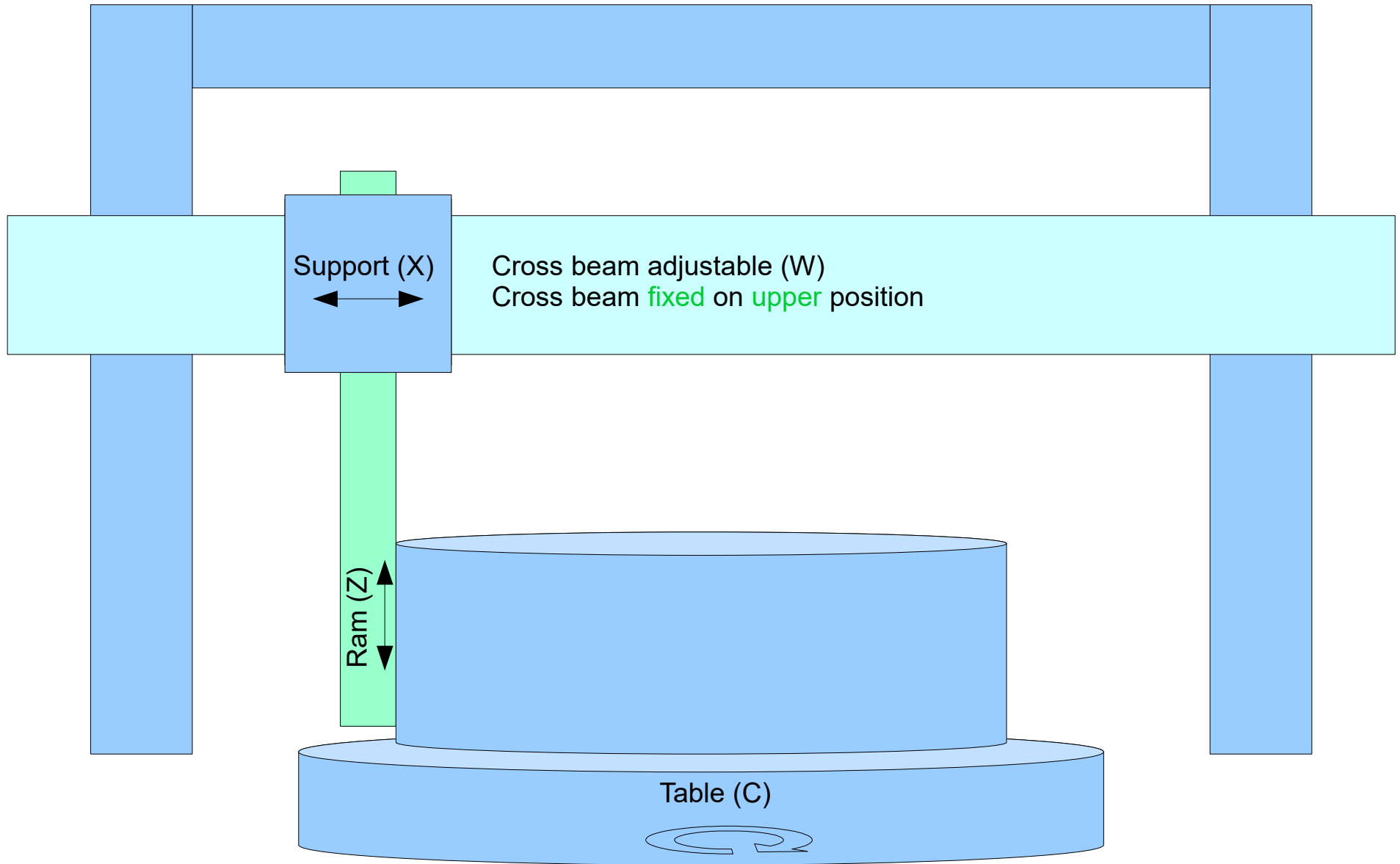


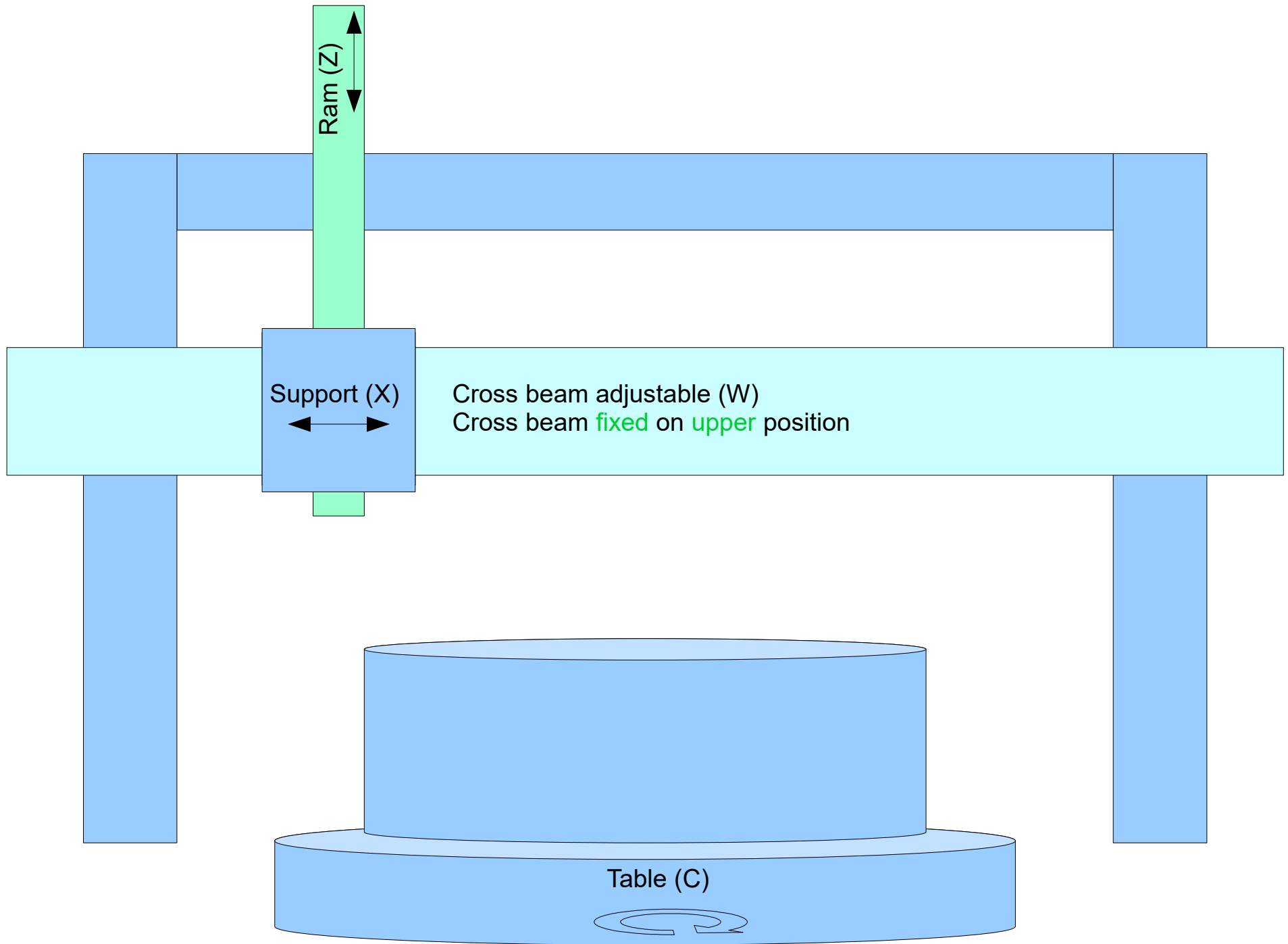
# Machining

## Moving ram

### (Z)



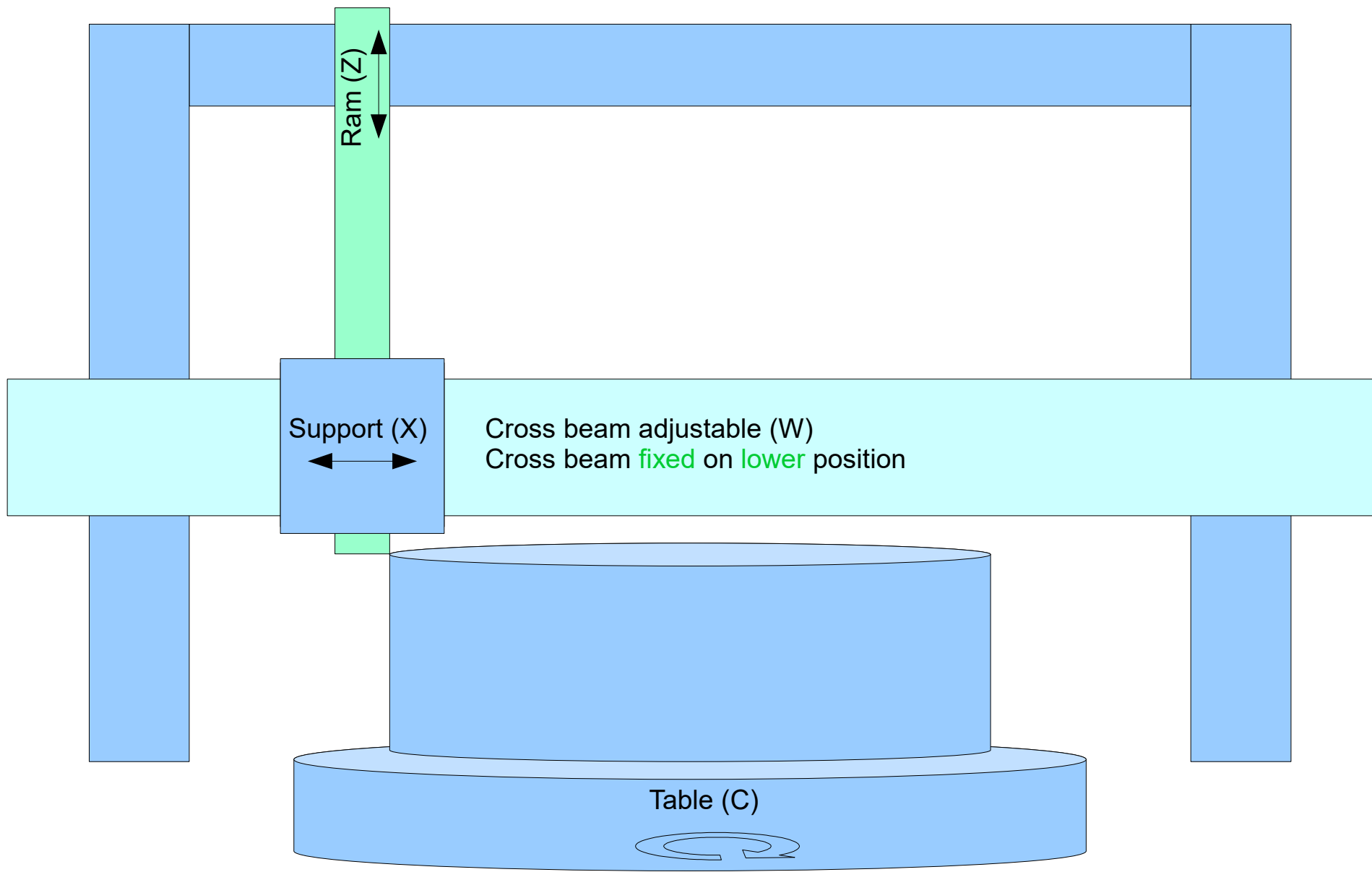


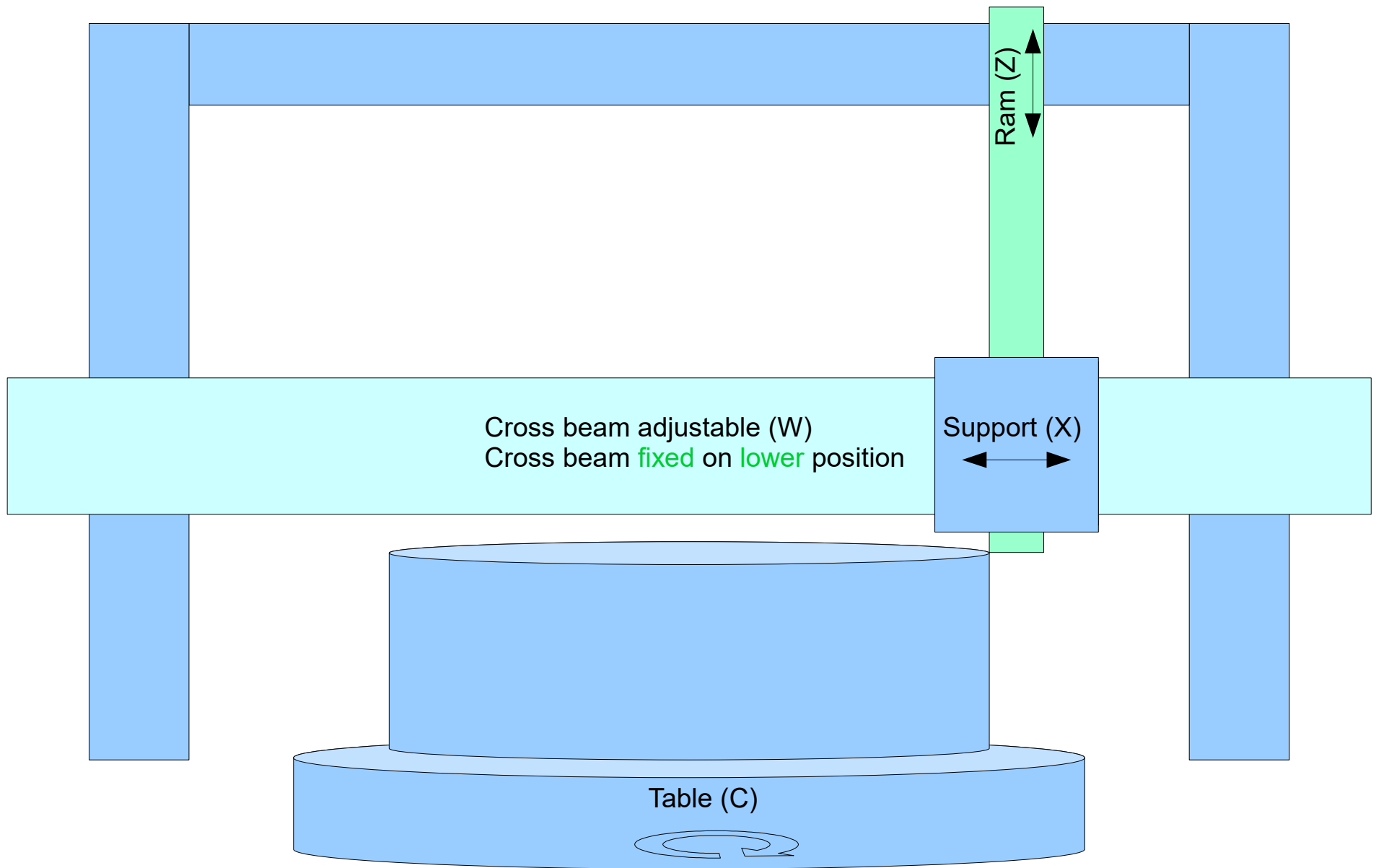


# Machining

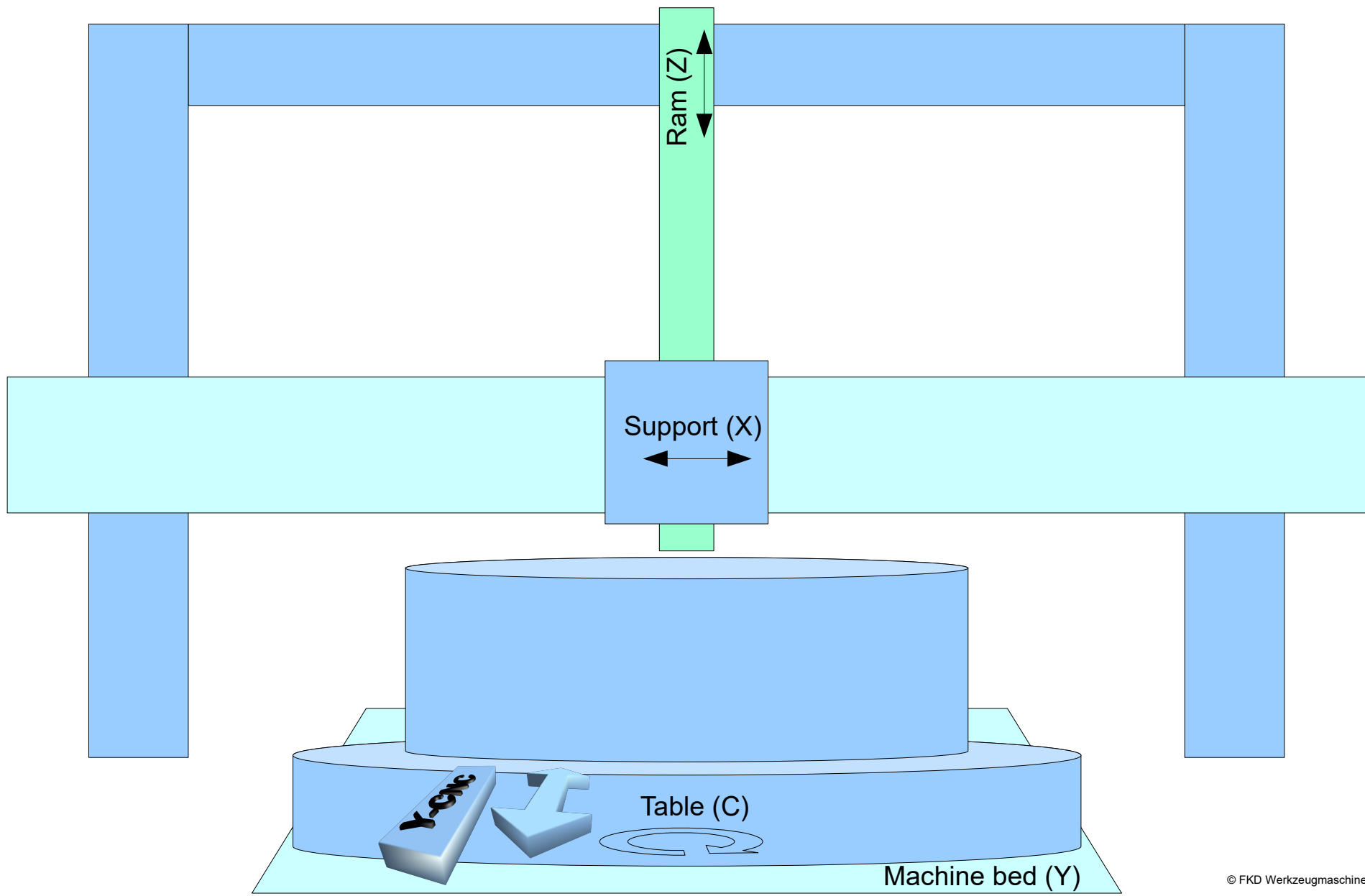
## Moving support

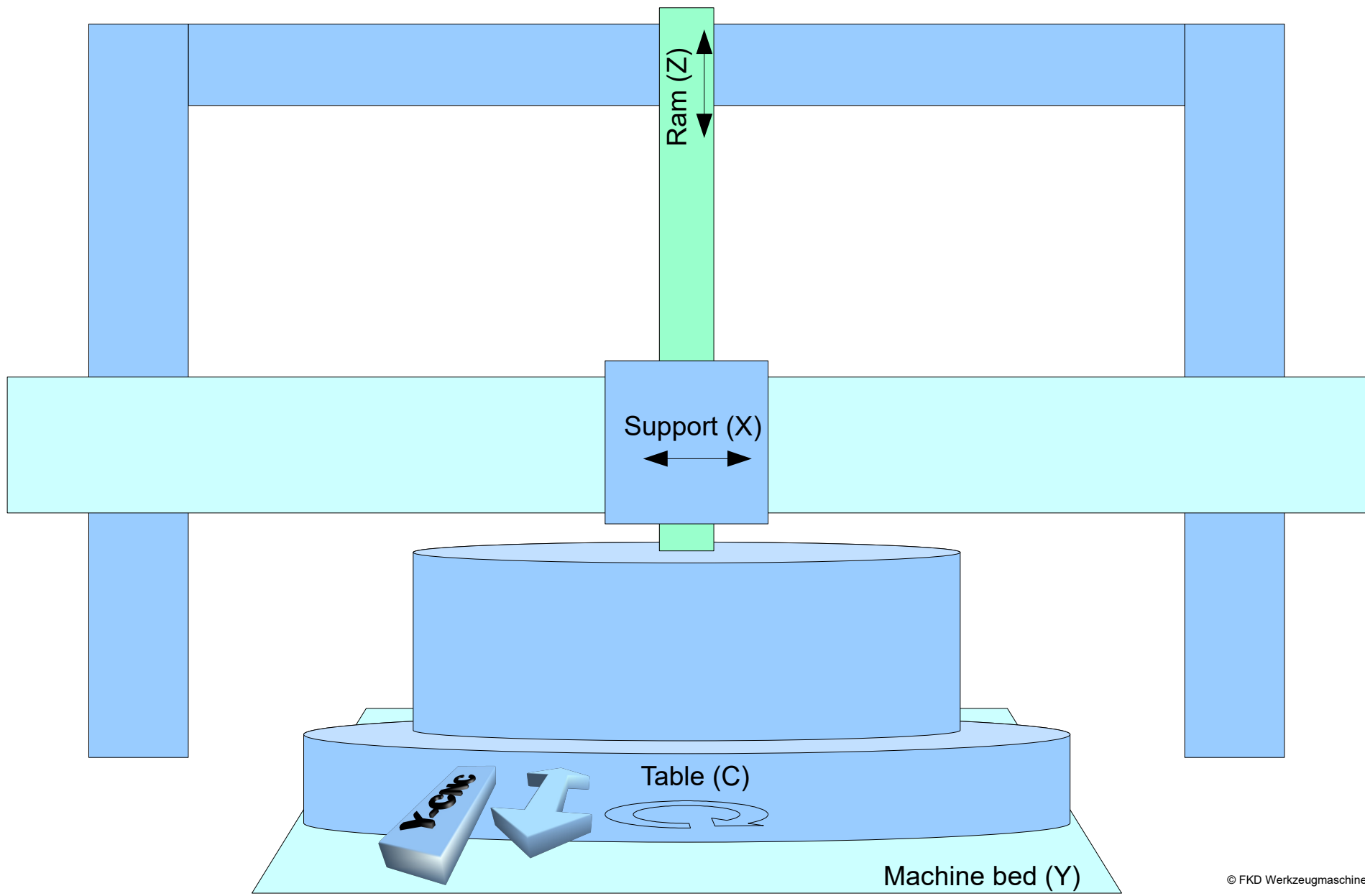
### (X)



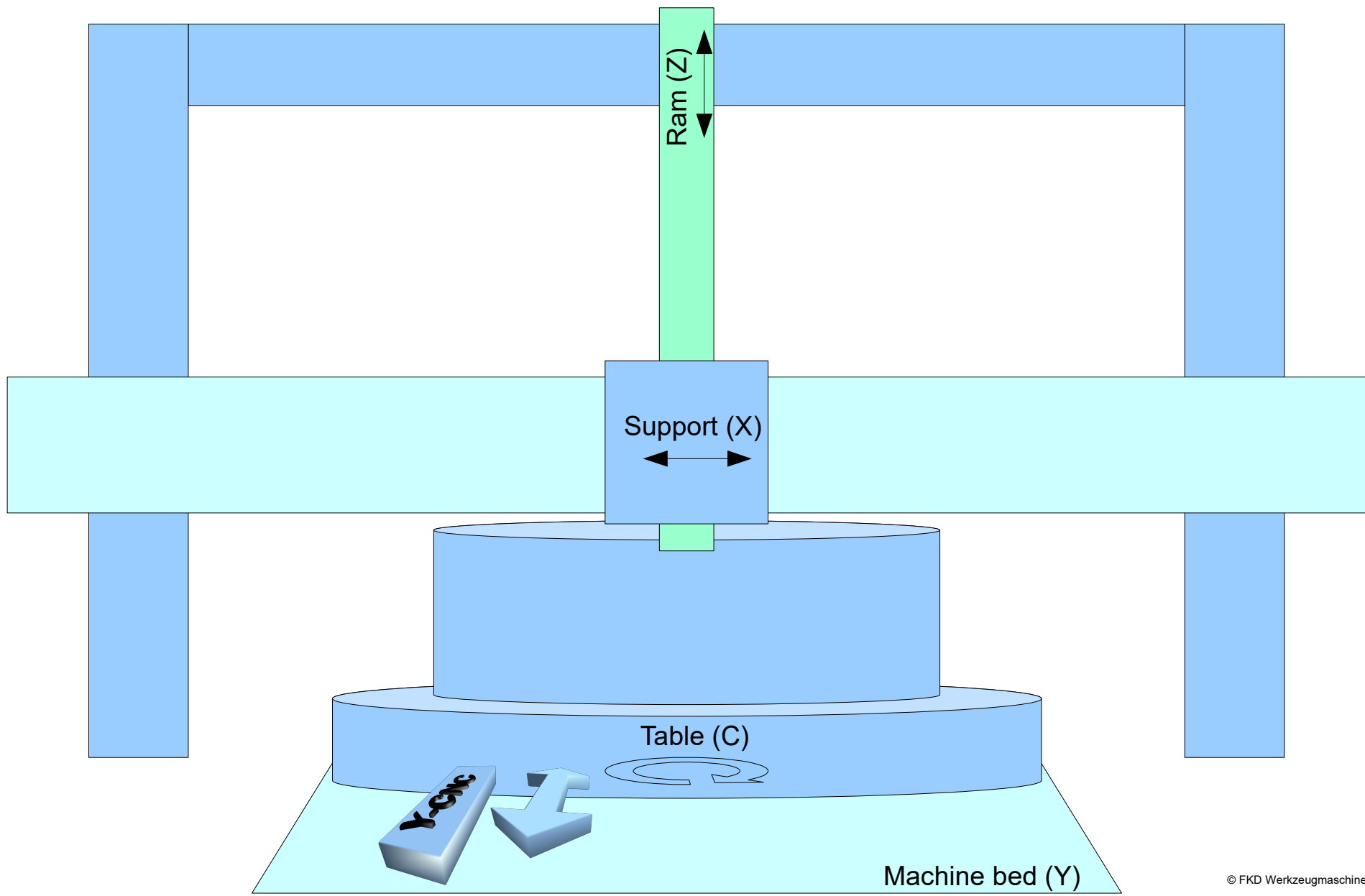


**Machining**  
**Moving table**  
**Front-view**  
**(Y)**

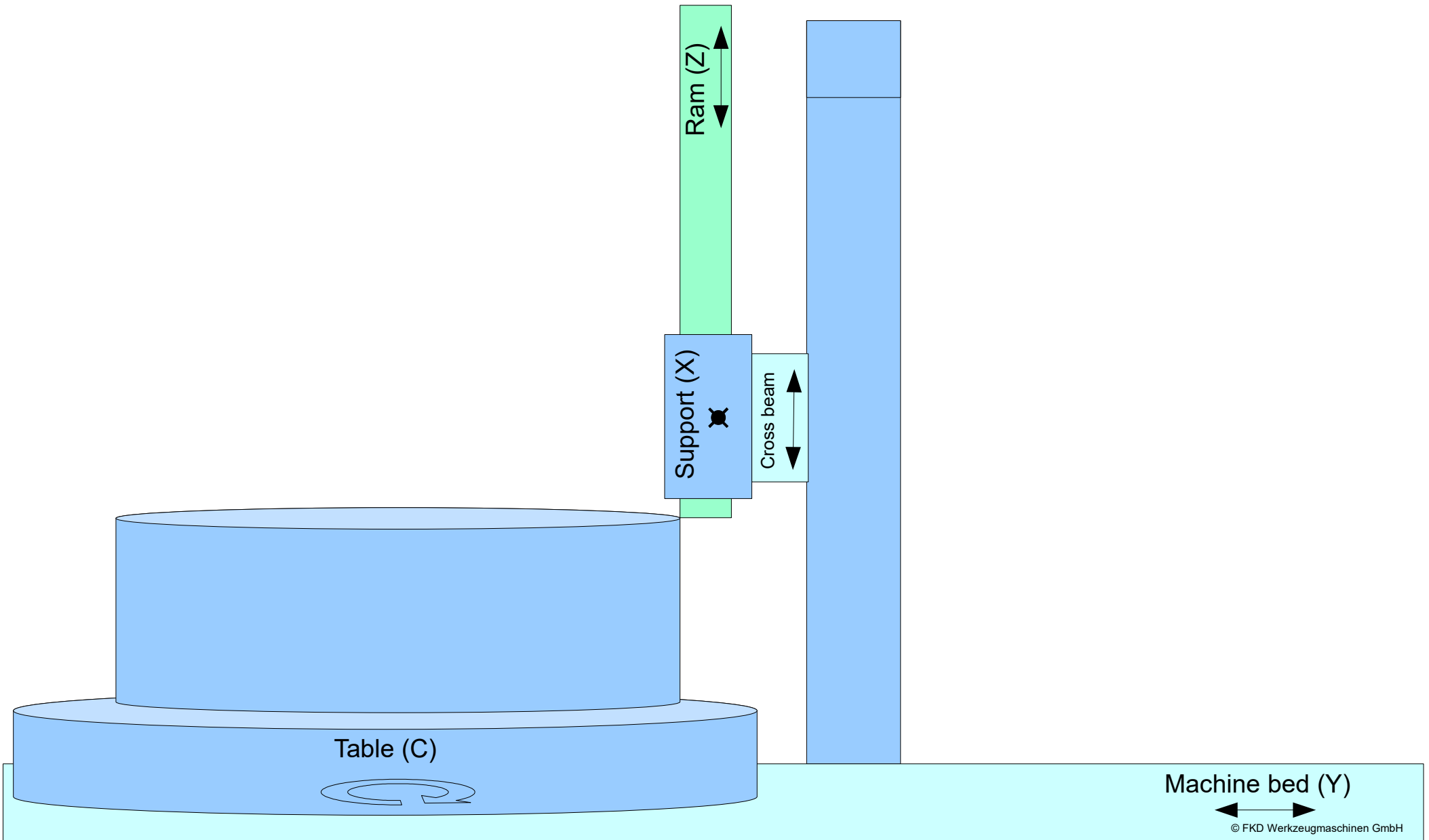


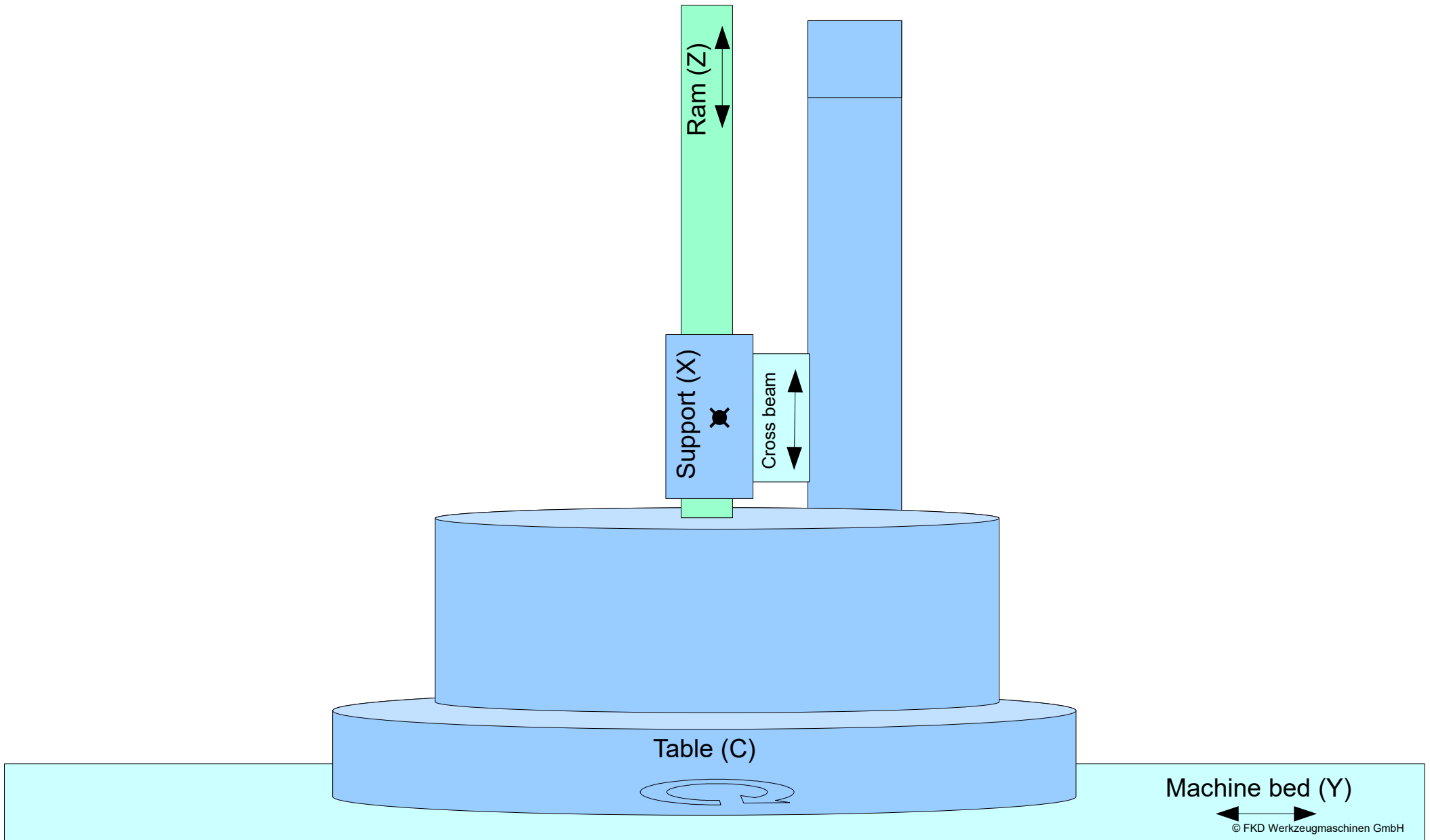




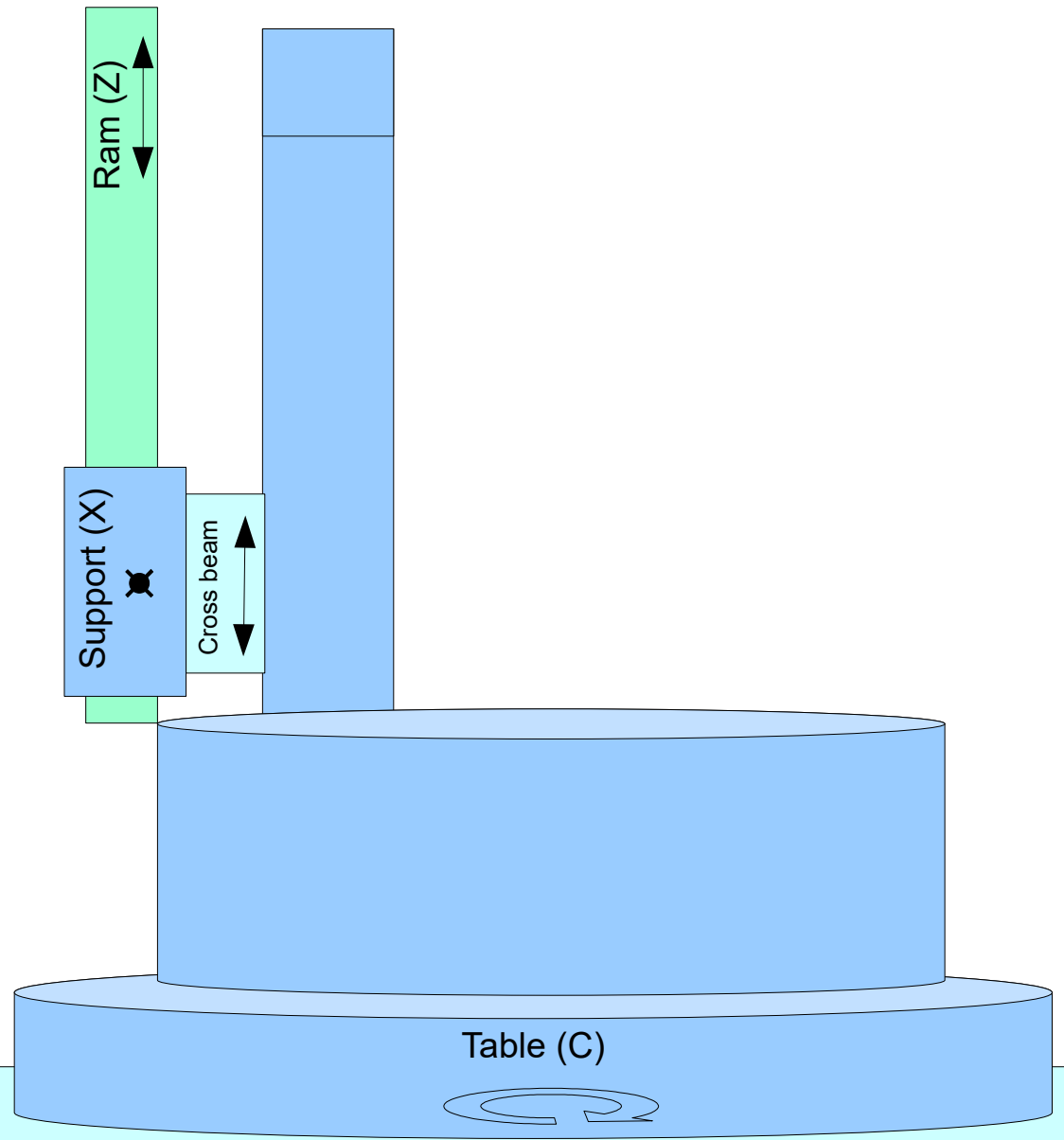


**Machining**  
**Moving table**  
**Side-view**  
**(Y)**





Machine bed (Y)



Support (X)

Ram (Z)

Cross beam

Table (C)