RMAUT04 Autoflow Reduce Guard to Floor Height

Modification to reduce the guard to floor height <180mm

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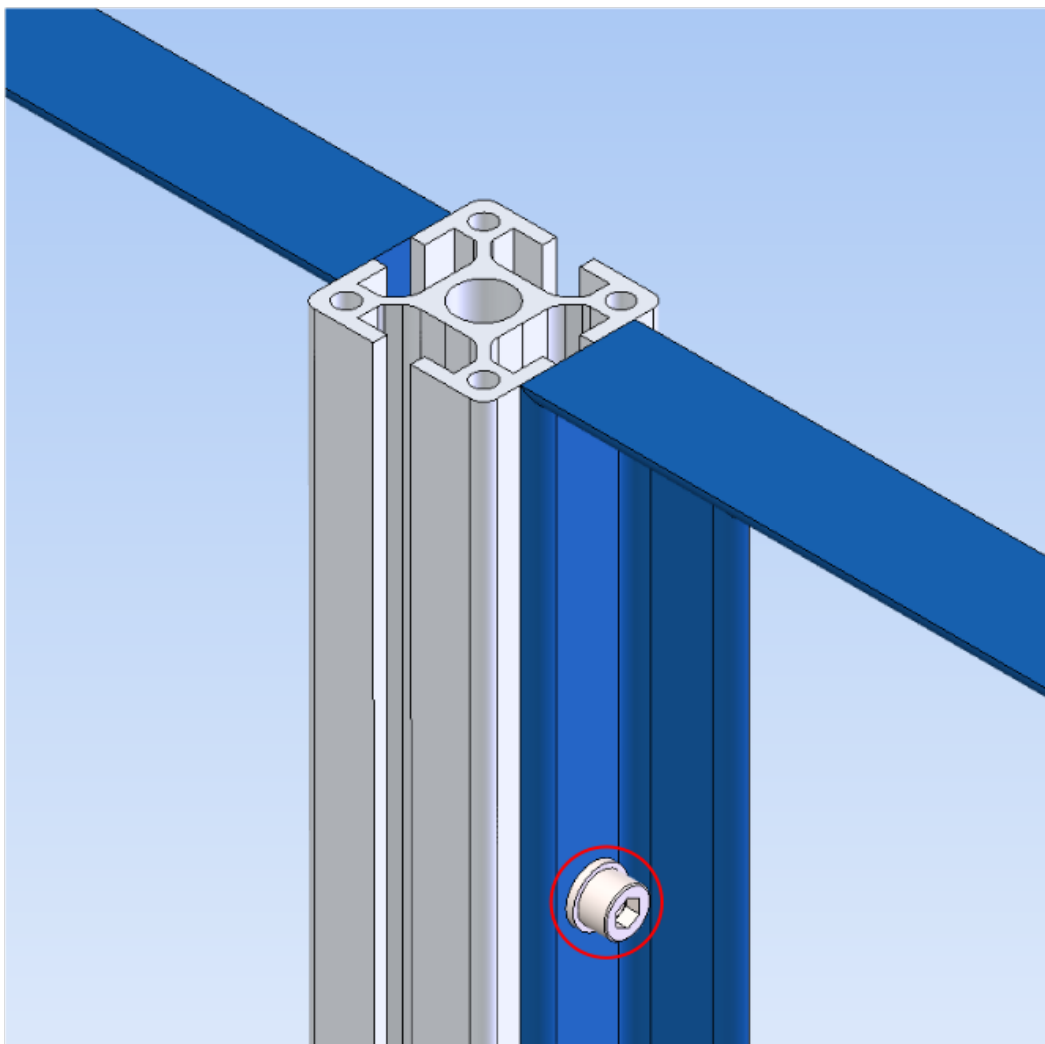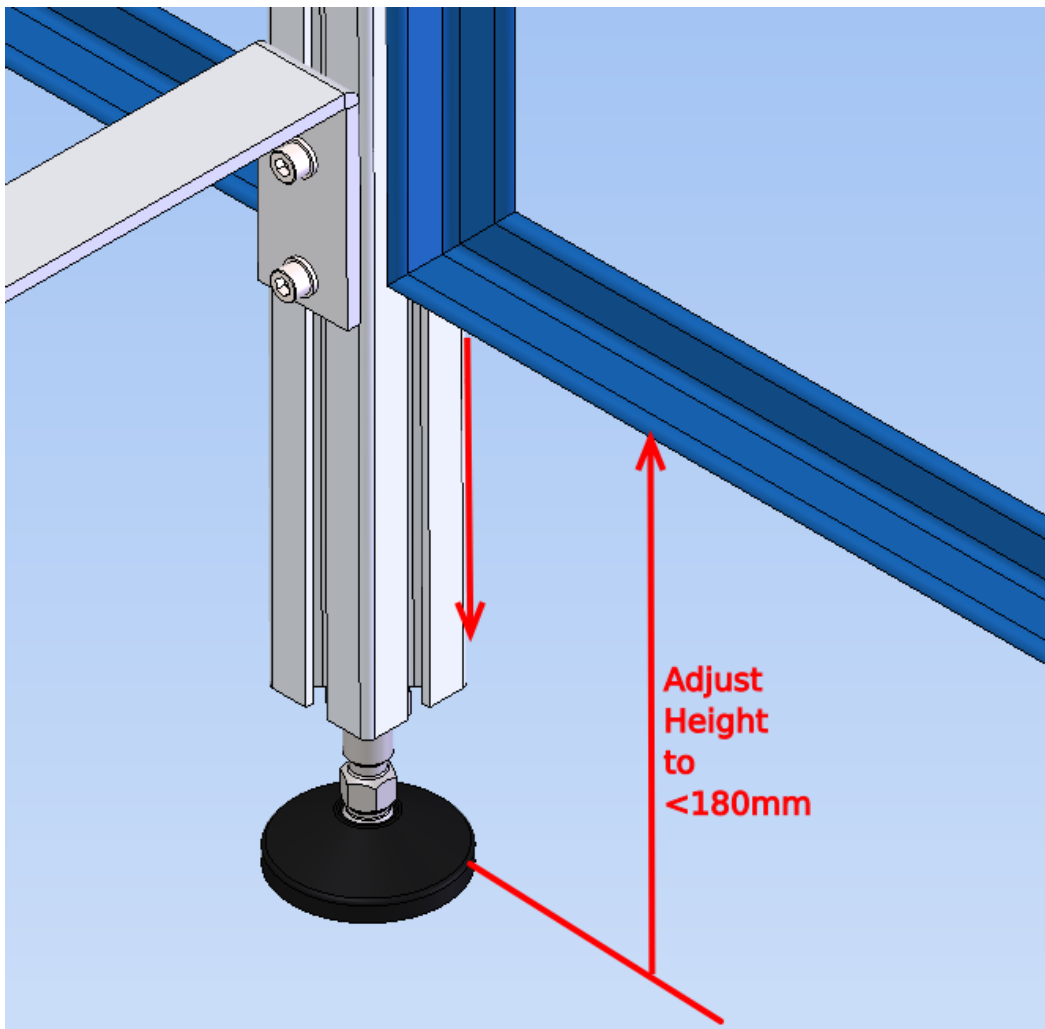
Comments

Objectives

To comply with BS EN ISO 13857 the gap below a guard must be less than 180mm to prevent access for the whole body. The original installation will be higher than this, so the objective is to make this area of the machine compliant.
The guards on the Autoflow are fastened in a slot with 3 bolts and can be simply adjusted to reduce this height.
The objective is to reduce the height to 180mm or less.

This change will reduce the height of the guard, however this will still give an overall height of at least 1800mm.

Use a pair of spacers, possibly made from uPVC profile to easily set the height for each panel.

Completion

This modification is expected to take no longer than 1 hour to complete.

Completion is when:

- All guards set to >=180mm high
- Entry in Monday Retrofit Compliance board
    - Entry in comments section to log you have completed it and any difficulties encountered
    - Update the Status
    - Add time taken
    - Add phots to evidence work in photos column

Compliance Data

According to BS EN ISO 13857, section 4.2.2.2, Table 1 (assuming slight injury and low severity),

Table 1 — Reaching over protective structures — Only minor injuries along with a low probability of occurrence

Dimensions in millimetres

h_h, height of the point of the hazard zone which is nearest to the area of upper limb reach	h_{ps}, height of protective structure[a]								
	1 000	1 200	1 400	1 600	1 800	2 000	2 200	2 400	2 500
	s_h, horizontal safety distance of the point of the hazard zone which is nearest to the area of upper limb reach								
2 500	0	0	0	0	0	0	0	0	0
2 400	100	100	100	100	100	100	100	100	0
2 200	600	600	500	500	400	350	250	0	0
2 000	1 100	900	700	600	500	350	0	0	0
1 800	1 100	1 000	900	900	600	0	0	0	0
1 600	1 300	1 000	900	900	500	0	0	0	0
1 400	1 300	1 000	900	800	100	0	0	0	0
1 200	1 400	1 000	900	500	0	0	0	0	0
1 000	1 400	1 000	900	300	0	0	0	0	0
800	1 300	900	600	0	0	0	0	0	0
600	1 200	500	0	0	0	0	0	0	0
400	1 200	300	0	0	0	0	0	0	0
200	1 100	200	0	0	0	0	0	0	0
0	1 100	200	0	0	0	0	0	0	0

[a] Protective structures less than 1 000 mm in height are not included because they do not sufficiently restrict movement of the body.

Hazard Height = 1400mm, safe distance to hazard 100mm. In this case the hazard is 500mm away