Y bed alignment record

Set the geometry before you add the test load.

Build / date / frame reference

Donor and guide type

Reference side / frame datum

Support type / shims / photo ID

Frame AC / BD and corner contact

Measurement tool and resolution

Record all dimensions in mm. Identify centre, gap, or tangent readings.

Measurement	Front	Middle	Rear
Bed-centre Y station			
Guide spacing, initial			
Guide spacing, final			
Left guide height			
Right guide height			

Bare-block glide by side / marked defects

Carrier on reference guide: supported condition and observation

Bind location and direction / interference check

One corrective change / repeat result after tightening

Cold full-stroke test

Worked reference: centre stations 100 / 160 / 220 mm. Enter your own results.

Bare moving assembly, g

Target moving total, g

Added mass, g / position / retention

Cable route / included moving mass

Final checks: supports secured; belt disconnected; representative cold load secured.

Trip / direction	Start Y	End Y	Drag / contact / index
1 rearward			
1 forward			
2 rearward			
2 forward			
3 rearward			
3 forward			

Near-end and far-end bearing engagement / nearest obstruction

Mid-station return from both directions / observable tip or edge movement

Cable contact or pull at front / centre / rear

Accepted manual interval and repeat result / hold reason

Open checks for powered motion: belt alignment, force, homing and repeatability.