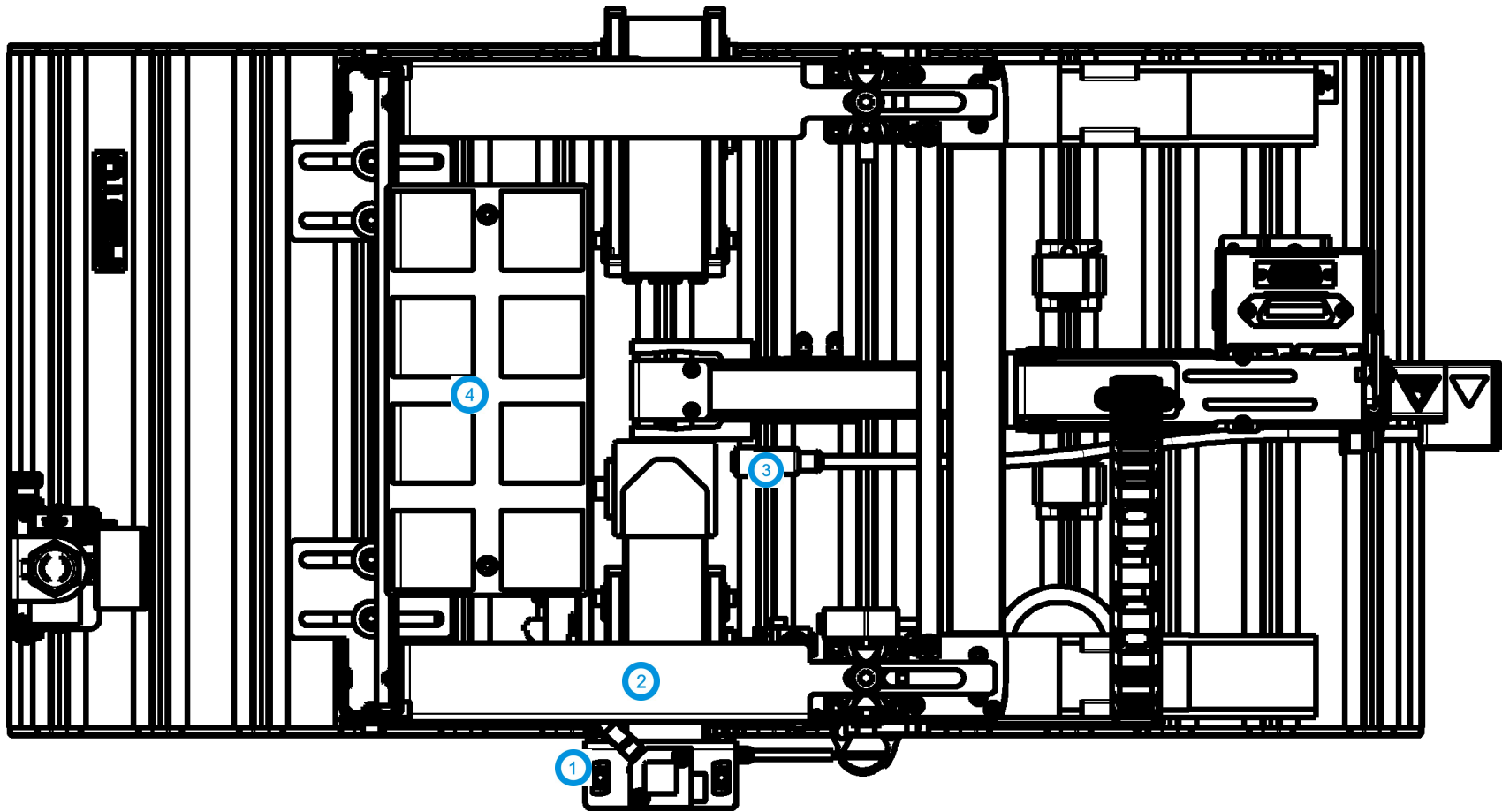


## Storage Station V2 Layout



- 1 Workpiece will move from another station and get detected by a diffuse sensor as it enter which then turn on conveyor motor to move the workpiece.
- 2 The workpiece will then get through the detection module which consists of 3 different type of sensor.
  - Inductive proximity sensor will detect the silver metallic workpiece.
  - Diffuse sensor will detect the red workpiece.
  - Fork light barrier will detect all type of workpiece but use for detecting black workpiece.
- 3 The workpiece will get the middle of conveyor and get detected by the the middle conveyor diffuse sensor which shut off the conveyor motor.
- 4 Step 3 will also signal the cartisean robot to pick up the workpiece and place it according to the type of the workpiece to the storage.

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## Detection Module

