

## **NEVI – Technical Specifications**

### **Worksurfaces**

- Worksurfaces are available in two thicknesses: 25mm in MFC (Melamine Faced Chipboard) and 26.6mm in HPL (High-Pressure Laminate), both featuring a 2mm ABS edge band.
- Two versions are available: one with a cutout for the access flap and another with no cutout.
- To maintain a 25mm safety gap, the actual worktop dimensions in NEVI are 1475mm for a 1500mm length worksurface and 760mm for an 800mm depth worksurface.
- R50 corner design for the worksurface.

### **Worktop Support & Stiffener**

- A pair of T-shaped worktop supports for one worktop, made of 2.5mm thick formed steel, installed under the worktop with 10PCS M6X12 machine screws on each side. The supports are hollow, allowing for the concealment of power cables.
- The stiffener, also made of 2.5mm thick formed steel, connects both sides of the worktop supports using two PCS M6 screws on each side. Additionally, ST3.5 self-tapping screws are used on the worktop top. The stiffener conceals the connection cable between two columns.

### **Legs**

- Nevi legs attach to the worktop support, with options for either a square back to back foot or a long freestanding foot with glide, and a cross beam (FOR BTB applications). Glides have a 10mm adjustment range.
- Back-to-back square legs include a tongue for connecting cross beams and legs.
- Freestanding legs lack the extra tongue, and the base is connected to the freestanding foot.
- Single-stage electrical adjustable legs and control unit provided in the range of 700mm to 1100mm. Leg columns measure 63x63mm with an R11 corner square column.

### **Cross Beams**

- Cross beams are constructed from 45mm x 75mm metal tube.
- End condition cross beams are used only at the ends of back-to-back configurations.
- Middle condition cross beams with cutouts are used only in the center of back-to-back configurations.

### **Electrical Adjustment**

Embedded motor is known as straight column. The name is JXDC-040-66D6-005, an in-line motor.

- Operation is by DC voltage motorized leg columns managed by an electrical control unit and adapter.
- Height adjustment is controlled by a switch located under and to the front of the worksurface on either the left- or right-hand side of the desk. The control unit and control switch are combined.
- Electrical speed:
  1. 35mm per second without loading
  2. 28mm per second while loading.
- The mechanism cuts off automatically when the desk reaches the top or bottom of its range or when the control button is released.
- The 2-legged system can lift approximately 100 kg, including the work surface.
- An anti-collision feature is programmed into the controller. It uses a six-axis sensor within the controller. Upon contact with an object after moving for 1 seconds, the surface moves in the opposite direction for 1.5 seconds, about 35mm. This feature works for potential obstructions above and below the desk surface.

### **Wire-Management**

Wire-management trays are manufactured from 1.5mm mild steel.

- **Linear Back-to-Back Lower Cable Trays:**
  - Hinged lid & no cover options
  - Attaches to square/round leg cross beams.
  - 120mm x 80mm section size
  - Accommodates 16 pcs of cable with sockets.
  - Cutouts on both sides for U energy chain and cable entry
  - Cutouts on both sides for vertical riser installation.
- **Tray to Tray Lower Cable Tray:**
  - Used for Back-to-Back Clusters of 4 & above.
  - Middle has a cutout for vertical riser installation.

### **U Energy Chain:**

- Slim Cable Spine (PC material): Floor to lower cable tray, lower cable tray to worktop, floor to worktop. Accommodates 8 PCS power cables.
- Square Cable Spine (ABS material): Floor to lower cable tray, lower cable tray to worktop, floor to worktop. Accommodates 8 PCS power cables.

### **Vertical riser:**

- Consists of a 1.2mm thick cover and base metal.
- Base can be mounted under the lower cable tray (BTB of 2) or link cable tray (Cluster of 4 or above). Size: 80mm x 80mm x 500mm. Accommodates 35 PCS power cables.

### **Upper cable tray:**

- Plastic holder with aluminum base, blank metal plate for socket. Size: 500mm length; 150mm width; 120mm depth.
- Forming steel with plastic holder, blank metal plate for socket. Size: 600mm length; 150mm width; 104mm depth.