

Technical Workstation Specifications

General Design: The Technical Workstation is designed to meet the demands of the research, development and manufacturing environment which requires superior aesthetics, a high degree of user comfort and vibration resistant construction. Rigid assembly is accomplished quickly with heavy duty fasteners which are concealed from view.

Materials: Technical Workstations as well as all Tennsco products are fabricated of high quality, cold rolled carbon steel, free of scale or rust and fully pickled. Exposed edges, corners, and surface areas are free of sharp edges and all workmanship is of the highest quality as measured by the industry.

Finish: All steel components shall be thoroughly cleaned and phosphatized for rust resistance in a five-stage pre-treatment process. A high grade of polyester / epoxy powder paint is to be applied electrostatically with a gloss reading of between 55 and 65. The finish shall have a salt spray rating of 250 hours or more.

Work Surfaces (Standard): Workbench tops and instrument shelf surfaces are constructed of a one inch thick, industrial grade particle board substrate covered with thermosetting plastic (to NEMA standards). Work surfaces are edged with PVC plastic which is radiused to provide a comfortable surface upon which to rest arms and hands when working. A phenolic backing sheet covers the underside of the work surface to prevent moisture penetration and particulate generation. Threaded inserts are factory installed to facilitate fast and secure attachment of the work surface to the bench frame.

Work Surfaces (Static Controlled): Construction is the same as standard work surfaces, however, special static dissipative laminates are used to achieve the safe removal of static charges which may be present on materials as they are placed on, or are handled on, the work surface. The surface resistivity is within the range from 106 to 109 OHMS per square centimeter. Specific technical information is available from the laminate manufacturer upon request. Static Controlled work surfaces are trimmed with oak edging which is 1/4" in thickness and radiused to provide comfort to resting arms and hands.

Leg Assemblies: Fourteen gauge 2" x 2" square tubing legs are attached to front-to-back members by concealed welding. Upper members are 14 gauge compound channels. Lower members are 16 gauge compound channels with concealed slots to accept the adjustable footrest. Leg assemblies are fitted with chrome plated, bottom closure caps, threaded to accept 3/8"-16 x 1 1/2" adjustable leveling glides which provide independent adjustments of all legs.

Support Channels: Work surfaces are supported by 14 gauge compound channels 2 1/2" in height. Connector plates 1/4" in thickness are welded at the ends of channels for a rigid, bolted connection to leg or upright assemblies. Cable management openings are punched on the face of support channels at each end. Both 1 1/8" I.D. bushings and hole plugs are provided for maximum flexibility.

Power Rails: U.L. approved components are contained in a 14 gauge steel compound channel 2 1/2" high, 1 3/4" deep and in lengths of 54", 66" and 90". Each rail included eight grounded receptacles, lighted on/off rocker switch, 8' power cord and is circuit breaker protected. All components are rated at 15 Amps and 115 Volts A.C.

Foot Rest: Adjustable horizontally on 2 1/2" centers, footrests may be repositioned quickly without the use of tools. The contact surface is angled 22° and covered with a slip resistant material for maximum user comfort.

Instrument Shelf Frame: Uprights are welded assemblies constructed of vertical posts of 16 gauge 1 1/2" square tubing connected at the top with a 14 gauge compound channel. Uprights are joined by support channels or power rails. Attachment of the instrument shelf to the bench work surface is accomplished by the means of a compression clamp located at the base of the rear leg of each upright assembly. Attachment of the instrument shelf, to the workbench will not permanently mar the work surface and requires no tools.

Drawer Units: Case tops and bottoms are the 18 gauge, enamel finished steel. Drawer frames are 1/2" thick and are sealed in vinyl. Z-Line coated, rolling drawer slides are used to assure smooth, quiet drawer operation.

Task Light: Unit contains to 32-watt lamps, and is prewired with 8' power cord and power switch. The housing is die formed of heavy gauge metal with a powder coated black finish. The unit has a white non-yellowing removable acrylic diffuser. Light can be mounted under a wooden shelf with included hardware, or use bracket kit (sold separately) for mounting onto cantilever uprights.