

# Tonic Bench Table User Manual

## Care and Maintenance

### Surface & Case Laminate

To clean the surface, use mild soap or detergent with a damp cloth or sponge. Difficult stains such as coffee or tea can be removed by using mild household cleaner and baking soda; mixing to achieve a paste consistency. Gently wash (approximately 15-20 strokes) the affected area using a stiff nylon bristle brush. Do not scrub so as to scratch the surface finish. Avoid cleaners with ammonia.

### Marker Board Laminate

Wilsonart Marker Board Laminate can be cleaned using a felt or multi-purpose board eraser. When additional cleaning is required, a soft cloth dampened with warm tap water and mild soaps, such as those used for hands or dishes, is recommended. Remember to clean erasers often by wiping to remove dry-erase marker residue.

### Stubborn Stains

Stubborn stains that resist any of the mentioned cleaning methods may require the use of undiluted household bleach or nail polish remover. Use a cotton ball saturated with bleach or nail polish remover (acetone), gently rub the stain for up to two minutes. Rinse thoroughly with warm water and wipe dry with a soft cloth. This step may be repeated if the stain appears to be going away and the color of the laminate has not been affected.

Note: Scrubbing too hard or at length can damage the surface finish.

If stubborn stains persist, Marker Board Laminate can be cleaned with spray-type glass cleaners, such as Windex®. Do not use cleansers that contain abrasives, acids or alkalis; they will damage the surface. Remove stubborn stains with a 2-minute exposure to hypochlorite bleach, such as Clorox®, followed by a clean water rinse.

We recommend that you not allow any of the following reagents to remain in contact with the laminate:

- Hypochlorite bleach, except as described in this manual
- Hydrogen peroxide solution
- Mineral acids, hydrochloric acid, such as Lime-A-Way™, sulfuric or nitric acid
- Caustic solutions containing greater than 2% lye, such as Drano®
- Sodium bisulfate, such as Sani-Flush®
- Potassium permanganate
- Berry juices
- Silver nitrate, in 1% concentration or greater
- Gentian violet
- Mild silver protein, such as 20% Argyrol
- Bluing
- Fabric dye, such as Tintex® or Rit®
- Alcohol containing 1% iodine in solution

### Fabric Panels

Fabric may be cleaned with mild, water-free solvents or water-based cleaning agents or foam. For tough stains, we recommend Shout® wipes as an effective cleaner.

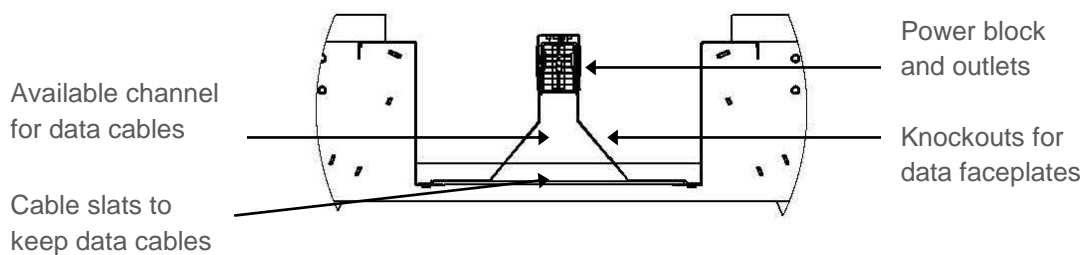
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**CAUTION:** For normal cleaning, vacuum panel fabric as needed, using an upholstery attachment. Do not brush fabric or use a vacuum attachment with a rotary brush. Brushing may permanently damage the nap or change the character of the fabric.

**WARNING:** Always rinse laminate surfaces after cleaning. Cleaning solutions may leave behind a residue that can be reactivated by moisture from cups or drinks. Prolonged exposure to cleaning residues can cause permanent discoloration, scars, or stains in laminate surfaces.

## Using Tonic Power and Data

Tonic arranges users into a simple or fully electric linear dual-sided bench table format that supports power outlets, data channel and many functional elements. The Tonic Bench Table unit features a modular power distribution 8-wire, four circuit manufactured wiring harness system. Tonic modular power distribution is based on a power raceway furnishing consisting of power raceway furnishing, power blocks, preconfigured outlets, jumper cables between power blocks, and power feed for hardwire connection to building power supply. Each powered table segment (starter, adder and ender) consists of one power raceway furnishing. They are rigidly mounted atop and between desktop support rails which allow access from above and thru center infill surfaces. Communication and data cabling can be routed in a raceway to support a technology rich environment. They are facilitated with knockouts for data faceplates located on the power raceway furnishing. Cable slats are suspended in the channel underneath the power raceway furnishing. Cable slats are suspended in the channel underneath the power raceway furnishing.



Section View of Bench Table center power raceway

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## Technical Specifications

### 3+1

Four 20-amp circuits, 8 wire configuration with 3 hots (12 gauge), one neutral (10 gauge), two grounds.

**Wiring and Cabling:** This system MUST BE supplied by a multiwire branch circuit power with individual circuits rated at 20 amps/120 volts maximum.

Power distribution block is molded polycarbonate, 8-wire.

**Jumper cables:** Metal flex covering conduit, 8-wire. The metal flex cable provides electro-magnet isolation near low voltage telecom cables.

**Outlets:** molded polycarbonate simplex preconfigured as circuit 1, 2, 3IG, 4.

**Power Feed:** Metal-flex covering – Galvanized steel. All circuits rated for 20 AMPs.

### Single Circuit

One 15 or 20-amp circuit, 3 wire with one hot, one neutral & one ground; all 12 gauge conductors. The 20-amp system requires a single circuit power source with NEMA 520 wall receptacle. A 20-amp plug fits only in a 20-amp outlet. No more than 12 duplex receptacles shall be supplied by one circuit..

**All electrical components** are cETLus listed to the appropriate industry standards in accordance with the National and Canadian Electrical code.

In accordance with NEC2011 Article 210, the permissible load should not exceed 80% of the circuit ampere rating (which is 16 amps on each 20 amp branch circuit).

**WARNING** – Electrical connection between table segments shall be disconnected prior to removal of a mechanical connection.

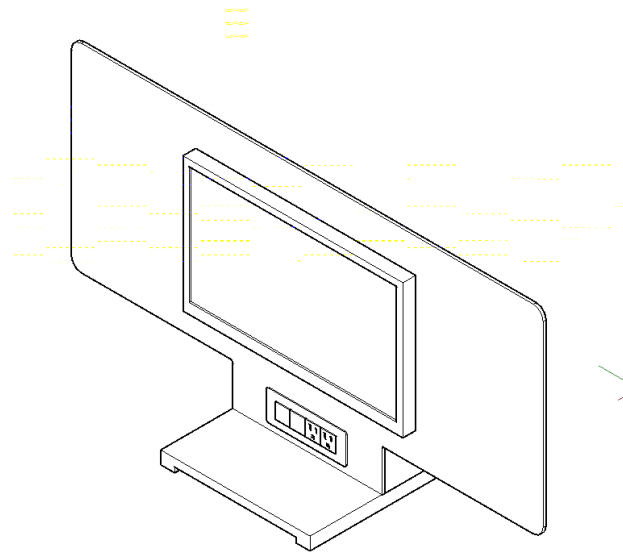
**WARNING** – Cords are not to be routed through or across to another complete unit or worksurface. Channel is not to be used for routing extension cords.

**WARNING** – Tonic Bench Tables must be mechanically contiguous.

**WARNING** – The combined length of a Tonic Bench Table configured with a power raceway furnishing shall not exceed 30 feet (9.1 m).

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## Video Conference Panel



*(TV monitor not included)*

The Tonic bench table has an optional Video Conference Panel to mount Flat Screen TV monitors up to 32" diagonal screen size. Typical power specifications for video conferencing components are:

**Console:** 189VA @ 115V @ 60 Hz @.67 PF <sub>1</sub>

**TV LCD Monitor:** AC 100 – 240V – (+/- 10%), 50/60Hz; Power Consumption: 220W (max) <sub>2</sub>

1 – Polycom HDX 6000 Series

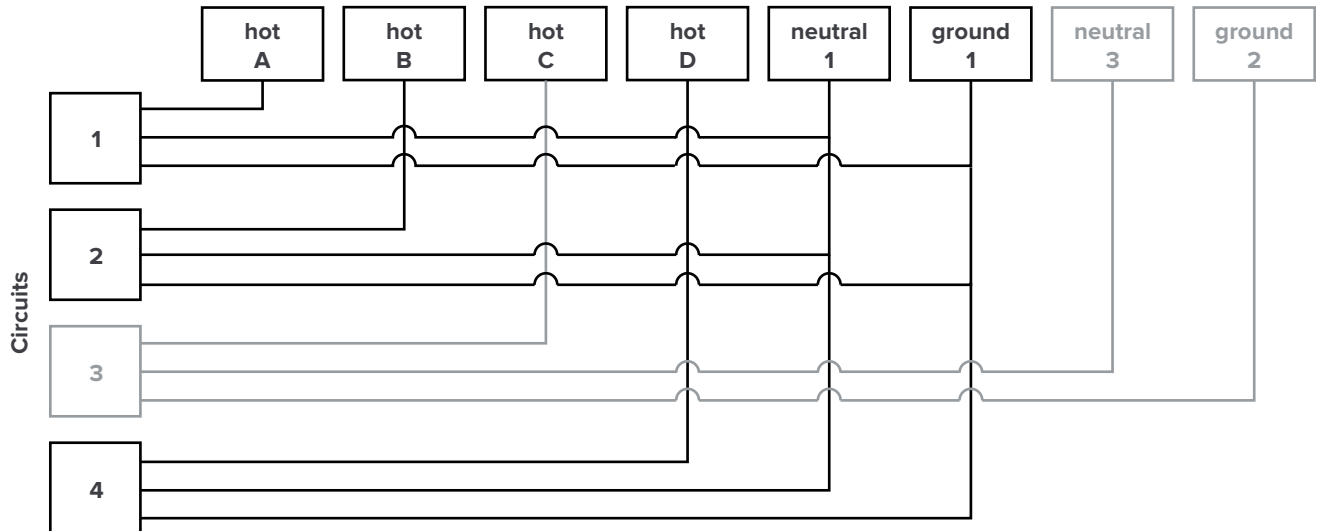
2 – Samsung 32" Professional LCD Display 320MXN-2

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## Wiring Schematic

Details for the Electrician

Tonic is offered in a 3+1 schematic. On a single 3-phase circuit panel, all four circuits are distributed as shown.



### Wiring and Cabling:

This system MUST BE supplied by a multiwire branch circuit power with individual circuits rated at 20 amps/120 volts maximum. Power distribution block is molded polycarbonate, 8-wire.

3+1 Four 20-amp circuits, 8 wire configuration: 3 hots with a shared neutral and ground (dirty) plus one hot with an isolated neutral and ground (clean).

### Data Face Plates

Each bench segment and power module ships with a set of data faceplate adapters. The following list describes the included faceplate adapters. 2 of each adapter are included.

- AA SYSTIMAX/COMMSCOPE
- AA UNIPRISE/COMMSCOPE
- BB L-COM KEYSTONE MODULAR
- BB TYCO SL, AND 100 CONNECT SERIES MODULAR JACKS
- BB SIEMON KEYSTONE STYLE
- BB ALLEN TEL VERSA TAP SERIES
- BB LEVITON QUICK PORT SERIES
- BB NORDX KEYSTONE STYLE
- CC TYCO SL COUPLER SERIES
- CC KRONE 6000 SERIES/ADC
- CC HUBBELL XCELERATOR KEYSTONE SERIES
- DD BLANK
- EE ORTONICS TRACJACK SERIES
- FF PANDUIT MINI-COM SERIES
- GG MICROPHONE JACK/3-PIN XLR, SOLDER TYPE
- HH VIDEO MONITOR JACK/DB-15, PANEL MOUNT SOLDER

