1. **Revision Log**

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| Revision Log | | | | | |
| Revision Level | Revision Date | Section | Description | | Revised By |
| ----- | 5/24/16 | N/A | Initial draft | | NT |
| REL | 2/3/17 | 5.2 | Initial release; Added SH-South’s Standard Equipment Frames info | | NT |
| A | 2/27/17 | 5.3 | Added SH-North’s Standard Equipment Frames info | | NT |
| B | 5/4/17 | --- | Added Audit Questions | | NT |
| C | June 21, 2017 | 5.0 | Added the reference to PL-PR-X4.4.1.2 – Product Safety | | JY |
| D | 8/22/17 | 5.1 | Added powder coat part numbers | | NT |
| E | 5/17/19 |  | Mass update, complete re-write to standard | | NT |
| F | 4/27/22 | 5.4.4  5.4.5 | Added custom-built stations, updated color and safety paint part numbers | | N. Taylor |
|  |  |  |  | |  |
| Approval: | | CN: RS | | MX: BA | |
| US: JA | | Other (as req’d): DRW | |

1. **Purpose:** 
   1. To define the global standard for the use of Assembly Stations within GHSP manufacturing facilities.
2. **Scope:** 
   1. This global standard applies to all GHSP manufacturing facilities.
3. **Definitions:**
   1. PPE – Personal Protective Equipment
      1. Equipment worn to minimize exposure to hazards that cause serious workplace injuries and illnesses.
4. **References:**
   1. CP-WI-MFG-X301 Global Standard Production Equipment Safety, Ergonomic, and Delivery Checklist
   2. PD-WI-COR-214 Special Characteristics
   3. TR-FORM-HRE-X30-US-PPE Hazard Assessment Certification
   4. Job Aids (Operating Standards 🡪 Job Aids 🡪8.5-Job-Aids-prod-service 🡪 Global Standards)
5. **Method:**
   1. All GHSP Assembly Stations should be identified with a name for the station, an open star symbol for Critical Characteristics (**☆**) or a closed star symbol for Significant Characteristics (★) identified per PD-WI-COR-Special-Characteristics, and the required PPE to work at that station
      1. Example: WC123   STATION1 **☆** or ★
   2. **Font and Size of Labels** 
      1. Font: Arial
      2. Size: 120
      3. Star:
         * Height: 2 inches
         * Width: 2 inches
         * Use 6pt for the weight of the open star shape outline
      4. PPE Label
         * Diameter: 4 inches
   3. **PPE Label Requirements**
      1. Required PPE labels will be determined by Plant Safety Engineer using TR-FORM-HRE-X30-US-PPE-Hazard-Assessment-Certification.



A picture containing indoor

Description automatically generatedA close up of a computer

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* 1. **North America:** Below is a list of the 3 standard sizes and the 2 guarding variants available. Plant floor space includes 3 ft open space behind electrical panel.
     1. **Mini**
* Table top dimensions (WxL): 24” x 30”
* Plant floor space: 20.7 sq/ft (1.9 sq/m)
* Guarding options:
* Standard: 1”x1” Black mesh
* Vision: Black Opaque PVC Sign Board
  + 1. **Standard**
* Table top dimensions (WxL): 36” x 30”
* Plant floor space: 29.1 sq/ft (2.7 sq/m)
* Guarding options:
* Standard: 1”x1” Black mesh
* Vision: Black Opaque PVC Sign Board
  + 1. **Extra Large (XL)**
* Table top dimensions (WxL): 60” x 36”
* Actual working area: 57” x 34.5”
* Plant floor space: 40.8 sq/ft (3.8 sq/m)
* Guarding options:
* Standard: 1”x1” Black mesh
* Vision: Black Opaque PVC Sign Board
  + 1. All standard station bases and custom-built bases, including the bottom shelf and electrical enclosure, will be powder coated to match paint color RAL 9002-Grey White
    2. All yellow safety guarding, on standard stations and custom-built stations, will be powder coated with AkzoNobel PE002QF (formerly 20-2078HY), Color: Safety Yellow (U1579-1)
    3. All stations will include I/O-Link
    4. All stations will be sized to run at 65 psi
  1. **Shanghai-South:** Below is a list of the 3 standard sizes available. Plant floor space includes open space behind station for electrical panel to be pulled out for service.
     1. **Type-1**
* Table top dimensions (WxL): 800mm x 800mm
* Plant floor space: 1.64 sq/m
  + 1. **Type-2**
* Table top dimensions (WxL): 800mm x 1100mm
* Plant floor space: 1.88 sq/m
  + 1. **Type-3**
* Table top dimensions (WxL): 1000mm x 1300mm
* Plant floor space: 2.3 sq/m
  1. **Shanghai-North:** Below is a list of the 3 standard sizes available. Plant floor space includes 1m open space behind electrical panel.
     1. **900x762**
* Plant floor space: 2.7 sq/m
  + 1. **1200x762**
* Plant floor space: 2.8 sq/m
  + 1. **1200x860**
       - Plant floor space: 2.9 sq/m
  1. **Personal Fans**
     1. If a personal fan for the operator is added to the station:
        + Bolts with locking nuts are required to be used
        + A safety cable is also required, to prevent the fan from failing, should the bolt and nut come loose

1. **Records:** N/A