



WorkStation Industries



At **WSI**
We work
for you !



Lab Steel Case Goods



Counter tops: We offer several different work surface options that can be mounted to any base cabinet; Trespa Athalon or Top Lab, Epoxy Resin, (top left) Chemical Resistant or Standard Laminate, Stainless steel.

Back splash; Trespa, Epoxy Resin, Laminate or Stainless steel back and side splashes are also available.



Sinks and Faucets: Drop in stainless steel sinks or drop in Epoxy Resin sinks (top right) are both available. Single or double goose neck faucet can attached to the any sink application.

Air, VAC or Gas turret valves, (bottom left) can be mounted to any work surface or to upright trim panel.

Uprights can ship with gas and electrical pre installed ready to connect up to main supply lines.



Base Cabinets:

Made of heavy duty 18ga cold rolled steel, base cabinets come with a 4" toe kick along with leveling glides at each corner.

Drawer faces come with a double wall and drawer sides are formed with an outward lip, this feature strengthens the load Capacity of the drawer, also reduces the chance for bacteria to build up in hard to clean areas.

22" full extension 100 lb drawer slides are used on all drawers, self closing european hinges are used on all hinged doors.

Cabinet come with one adj. shelf, Sink cabs come with opening in rear for access to plumbing. No spill shelf lips in cabinet or over head shelving siecmic lips are all optional.

LAMINAR FLOW WORKSTATION



Vertical Laminar Flow, (VLF) workstation provides Class 100 air flow that is down stream of the work surface. The Vertical flow unit can be suspended from the ceiling or bolted to the frame. The VLF is constructed of heavy duty cold rolled steel and finished with a durable powder coat paint finish.

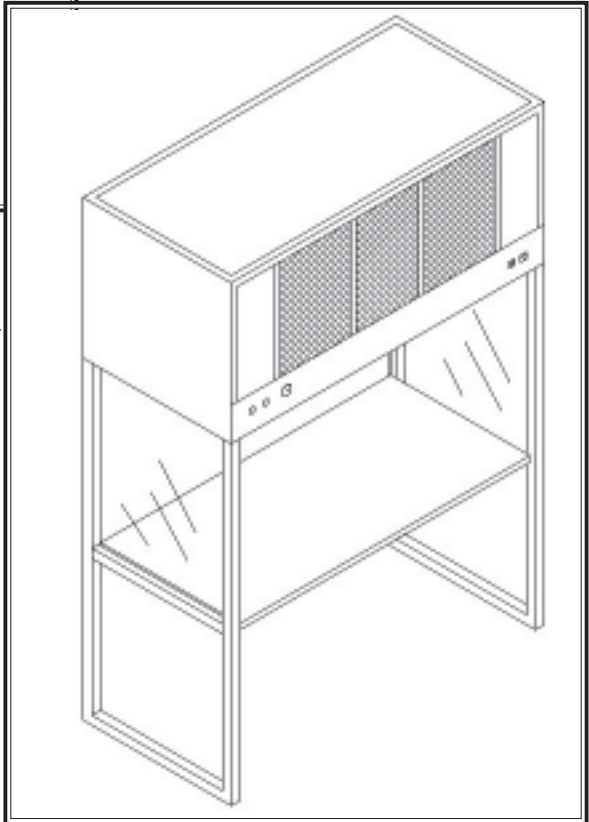
Configure a line of units side by side or back to back. VLF units can be sold with or without a work surface.

Accessories include; four 15-amp electrical outlet panel, two circuit wiring system, circuit breaker, variable speed control, water pressure gauge, on/off switch and various types of side panels, and a Ionization system.

All units are shipped from the factory knocked down and certified to pass both the aerosol demand test and the leak test.

Horizontal Laminar Flow, (HLF) workstation provides Class 100 air flow that is down stream of the worker. This unique workstation reduces the noise levels below 62 DBA. Need power or data, wire and data management troughs are built into the unit and bring utilities from the top of the flow hood to the underside or at the work surface while maintaining class 100 specifications.

Accessories include; six 15-amp electrical outlet panel, two circuit wiring system, circuit breaker, variable speed control, water pressure gauge, on/off switch and various type of side panels.



Specification and options

- VLF 30" or 36" deep filter units
- HLF 30" or 36" high filter units
- 36", 48", 60" 72" and 96" wide units are available
- 6" mini pleat 99.99% Hepa filters
- One or two 1/2-hp high efficiency motor
- 10" direct drive blower assembly
- Optional 15-amp circuit breakers
- Optional electrical outlet service panel
- Work surfaces; Standard, ESD, Clean-room or
- Stainless steel with or without perforations
- Data source outlet box,
- Two tube overhead lights fixture, (tubes not included)
- Motor housing is lined with a vibration and sound damping material. Noise rating below 62 DBS
- Variable speed control switch
- Two on/off switch, (one motors one accessories)
- High efficiency pre-filters
- Optional Mini hellic water gauge for filter usage

Concept 2000 S/S Starter



Bench shown with options

Air Distribution System (ADS) is a single sided in-line air system that connects air from upright to upright. One air drop at the first bench is all that is required, *we do the rest...*

- ADS-S comes standard with one female air coupler mounted on the upright and one female inlet air couple mounted below the work surface, additional couplers are optional.
- All air lines are concealed within the uprights and are interconnected between uprights.
- Work surface mounted air couplers are available.



Hydraulically adjustable workstations are available with either a manual or a motorized lifting mechanism, see page 7 for more details.

- **180 degree roleid front edge;** For ergonomically value and to reduce wrist compression, all work

Concept 2000 Workstations can be customized by using the extensive line of accessories, resulting in a cost effective and productive plant layout.

Dedicated Electrical Circuit (DEC) "UL Listed"
Each electrical box, 15A or 20A outlets, features it's own *UL Listed Electrical system* for the ever demanding electrical requirements.

DEC system can be ordered with one, two, or four electrical circuits within the upright. This system provides interconnecting electrical support to all benches, thus using minimal power drops.



DEC-1 is equipped with one six-15A outlet electrical panel on one upright only, and a power cord.

DEC-2 is equipped with two six-15A or 20A outlet electrical panels, twelve total, (6 per upright),

DEC-4 is a two circuit system and is equipped with four six-15A or 20A outlet electrical panels, (2 boxes per upright).

- **Two circuit upgrade;** DEC-1 or 2 can be upgraded to a two or four circuit system, (One power drops)

Data Incorporate data into the uprights with total shielding. Data can be interconnected from upright to upright and from bench to bench.

GFI, ER , UPS Power; For Sensitive equipment

- DEC can be wired for other types of power;
- Ground fault protection (GFI) *water applications*
- Emergency power (ER) *Back up system.*
- Uninterrupted power (UPS) *Clean power line.*

ESD Grounding System comes standard with a dual wrist strap ground block.

- The electrical wiring system provides a green wire grounding pigtail that gets connected to the ESD ground bolt on the work surface, once your licenced electrician make all electrical connections, the

CONCEPT 2000 5/3 ADDER



Swing Arm cup rail

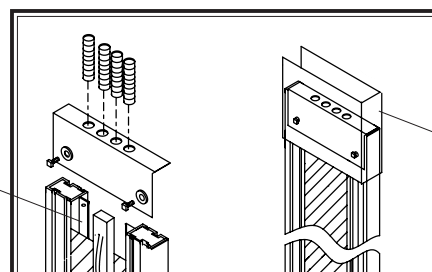


Adder workstations can be utilized to increase throughput with in-line tasking.

- **Economy** in the workstation is appreciated when all utilities are interconnected and joined together from upright to upright, and bench to bench, thus resulting in a cost effective work environment.
- When using common uprights, (adder units) the cost per operator is reduced significantly.
- **Dedicated Electrical Circuit “UL Listed” DEC** Provides one, two or four electrical circuits within the upright.
- When using the **DEC** electrical option with an **Adder** station, the upright comes with one six-outlet electrical panel on the inside upright and an inter-connect cable.
- This provides electrical power to both the starter and the adder workstation. *(pg. 11 for more details)*
- **Ceiling** mounted upright power pole, (left side) A 10 ft single or double sided upright can be used to pass electrical or data down from the ceiling and into a run of workbenches.
- **Conduit landing bracket** (below) mounts to the top of the upright, the bracket acts as a junction for all in-coming electrical and data feeds



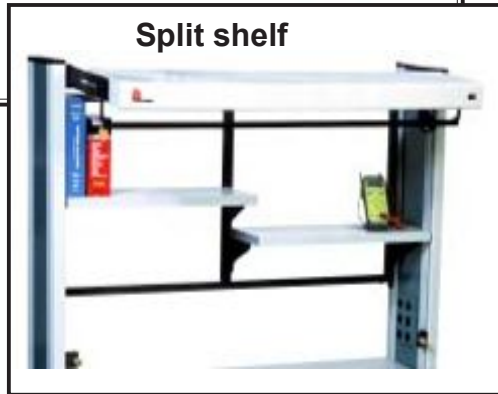
Data shielded



Shroud



Bench shown with options



Split shelf

Double sided air distribution

is a double sided in-line air system that connects air from upright to upright.

One air drop at the first bench is all that is required, ***we do the rest...***

- **ADS-D** comes standard with two female air coupler mounted on each upright, one per side. Another female coupler is mounted underneath the work surface, this allows for the air inlet.
- All air lines are concealed within the uprights and are interconnected between uprights via 2 & 3 way unions.
- Work surface mounted air couplers are available.

ESD Grounding System comes standard with a dual wrist strap ground block, 8-ft. ground wire.

- The electrical wiring system provides a green wire grounding pigtail that can be connected to the ESD ground bolt on the work surface.

Once your licenced electrician makes all electrical connections, the ESD work surface will automatically be grounded

Modularity in a double position workstation means, two position (2 operators) workstation using common workstation components. This is our most economical modular workstation..
All accessories are independent of per side

Dedicated Electrical Circuit, (DEC)“UL Listed”

Each electrical box, six 15A or 20A outlets features it's own UL Listed Dedicated Electrical Circuit system for the ever demanding electrical requirements.

- The DEC system comes with a; one, two, or four circuit system. This system provides interconnecting electrical support to all benches, thus using minimal power drops.

DEC-1 is equipped with one six-15A or 20A outlet electrical panel that can be shared between two operators.

DEC-2 is equipped with two six-15A or 20A outlet electrical panels, (one panel per upright), this provides six outlets for each operator.

DEC-4 is equipped with a two circuit EL system and four six-15A or 20A outlet electrical panels, (two panels, 12 outlets per upright).

Data Incorporate data into the uprights with totalshielding. Data can be interconnected from upright to upright and from bench to bench.

- GFI, ER , UPS Power;** For Sensitive equipment DEC can be wired for other types of power;
- Ground fault protection (GFI) water applications
 - Emergency power (ER) *Back up system.*
 - Uninterrupted power (UPS) *Clean power line.*

CONCEPT 2000 D/S ADDER



Double sided adder workstations can be utilized to increase throughput when an application requires in-line tasking. A starter is required to start any line of benches.

- **Economy** by using common uprights, back to back configuration coupled with In-line tasking. The double sided workstations significantly reduces the cost per each operator's workstation. The cost is reduced by approximately 40% when compared to single sided stand-a-lone benches.
- When accessorizing the workstation, each side requires independent accessories, lights, shelves, footrest etc...

Progressive Assembly and conveyerized workstations are designed to meet most progressive assembly applications.

- Raise the balls to move the product to the next station, retract the balls to hold the product in place for assembly.

Call WSI to get the ball rolling on your next project...



- **Dedicated Electrical Circuit System, (DEC)** can provide one, two or four electrical circuits within each upright. When using the **DEC-2** electrical option with an **Adder** station, the upright comes with an electrical panel on each side of the upright and an interconnect cable.
- Double position adder stations come standard with one upright, two rear panels, two work surfaces, two load beams and two sets of top support brackets.
- UL listed Electrical interconnecting makes it easy it interconnect either single or multi circuit power from bench to bench. An electrical opening in the trim panel makes it easy to make electrical connections.





PRODUCTION SERIES

All benches shown with optional accessories.

PB Tech Bench



PB Assembly Bench



PB Double Sided Bench



Production Series Workbenches feature a *UL Listed* 2" x 2", 16 gauge steel tubular structural frame construction. Front and rear beams are formed for strength and accessory flexibility.

- Workbenches are rated at 800 lbs. evenly distributed. All surfaces come standard with a 180 degree front edge. vinyl T-Molding is optional.
- All benches come standard with leg extenders that adjust the bench from 30"h - 36"h overall in two inch increments.
- We offer two depths; 30" deep or 36" deep and several different lengths; 48", 60", 72" and 96"
- **PB Tech Bench;** just configure the PB bench with an instrument shelf, electrical and drawers and it becomes a Tech bench,
- **PB Assembly Bench;** just add slotted uprights, over head light, shelf, parts cup rail and it becomes an assembly bench.

Double sided PB workbench incorporates the structural integrity of a PB bench, with the economy of a Double sided work station.

- All benches come standard with leg extenders that adjust the bench from 30"h - 36"h overall in two inch increments.
- A center load beam is used to join the two work surface increase the load capacity of the workbench.
- For accessory applications, a double sided slotted upright is required. Accessories are independent per each side.

K-bench is designed to reduce leg obstructions at the ends of the bench. Additionally, this design offers flexibility and economy when two benches are joined together side by side, allowing multiple users to access the bench.

**** Fully welded benches are available**



ALTERNATIVE BENCHES



IT 5500

is the ultimate *Tech bench*. This bench features a fully welded heavy duty frame, 30" or 36" deep, 60" or 72" wide, with a fixed work surface height at 36", and an overall height of 84".

- Three sections of double sided slotted uprights running the full height of the bench provides ample shelving and storage above and below the bench.
- Three fabric tack boards are standard
- Two electrical channels, one data port opening mounted just above the bench are also standard, (20A upgrade is optional)
- Drawers, one full width shelf or three sectional steel shelves are optional.



Cantiliver Series workbenches feature a formed heavy duty steel leg panel with a 2" x 2" - 16 gauge steel tubular upper and lower frame. A formed steel front beam is used for strength and accessory flexibility.

- This bench comes standard at 30" high.
- A formed steel rear panel and front beam is used to strengthen the structural integrity of the workbench.
- This bench will support 600 lbs evenly distributed.
- The work surface is constructed of the same material as all other WSI workbenches, 1.25" thick
- Drawers, electrical, uprights etc. can be added as optional accessories.



Priced Right Series workbenches offer an alternative conscious budget application. This bench features a 1" x 1.5" - 16 gauge tubular steel frame construction.

- A formed steel rear panel is used to strengthen the structural integrity of the workbench.
- This bench will support 500 lbs evenly distributed.
- The work surface is constructed of the same material as all other WSI workbenches, 1.25" thick.
- Drawers, electrical, uprights etc. can be added as optional accessories.
- Slotted uprights will attach to the work surface using "C" clamps and through bolts.
- 96" benches comes with a third support leg.
- Standard height is 30" adjustable 30" - 36" is optional.

Packaging & Adjustable Benches

C2 Adjustable



PB Adjustable



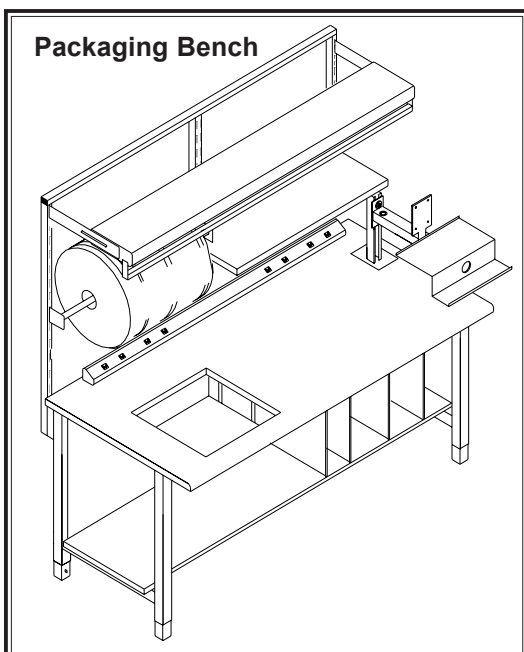
Hydraulically Adjustable PB & C2 workbenches

are designed with a wide variety of benefits. *...for the engineer* - Simply choose the desired adjustment range, hand crank or motorized, lifting capacity, then leave the rest up to us...

...for the operator - Achieve a level work surface with minimal effort, regardless of unbalanced load conditions. This is as simple as turning the crank.

PB Hydraulic bench is designed the same as our standard PB bench, a rear panels and lower foot rest tube is used to keep the bench rigid

- The standard hydraulic system has a load capacity rating of 600 lbs. (evenly distributed)
A rear panels is used for both styles of benches, this reduces any side to side motion
Height range is 12" and 14" other heights are optional.
- Hang on accessories will not adjust with the work surface.



Packaging Workstation is unique and can be accessorized to meet many your specific packaging needs.

Packaging station comes standard with split shelf uprights.

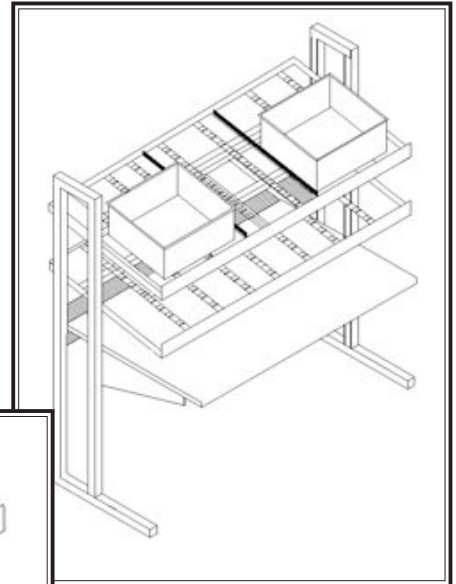
- Optional lower shelf with shelf dividers are used to help organize shipping boxes
- Optional bubble wrap holder supports 24" - 48" wide rolls
- Cutouts for scales can be placed anywhere on the work surface, and come with an adjustable scale holder brackets.
- Swing arm flat screen monitor with keyboard, mouse
- CPU, UPS printer and printer drawer cabinets are all available as options
- Hand crank adjustable upgrade lifting system is also available
- Available depths are; 36" and 30" and 72" and 96" widths



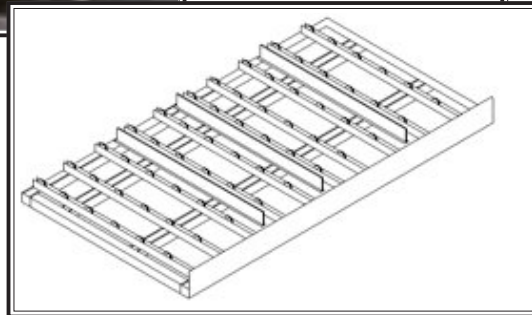
PB Flow Rack Station



C2 Starter Adder System



All roller tracks and guides are adjustable



Add additional roller tracks for larger or smaller applications

Flow Rack Systems are available in both the PB and C2 style frame. Both frames are 72" high and have an infinite adjustment range.

The Flow Rack System can be configured as a gravity feed stand unit, "the starter" (top right) or can be connected together, "the adder" creating a row of *Flow Rack Stations*, (top left).

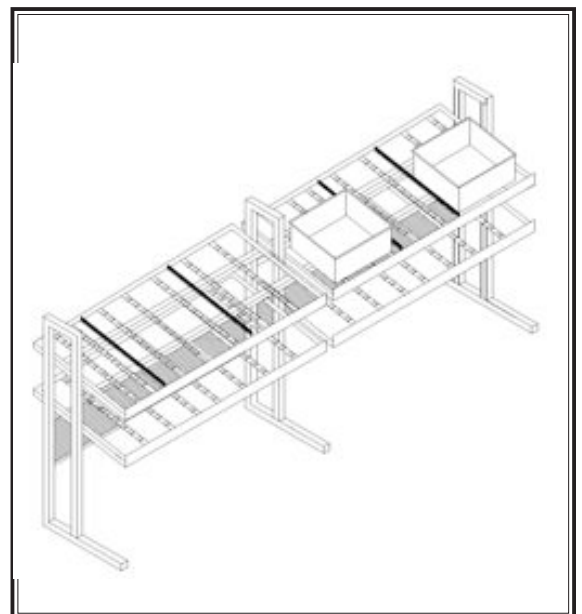
Both series of flow rack stations can either be positioned behind any workbench to create a progressive gravity feed packing station, or add a work surface to create an independent workstation.

Each roller track channel can support over 40 lbs per lineal foot. The inverted channel means there is no need to ever remove the roller track for cleaning; rollers won't jam up because there is no accumulation of dust or debris. Optional guide rails are used to facilitate orderly distribution of parts, etc.

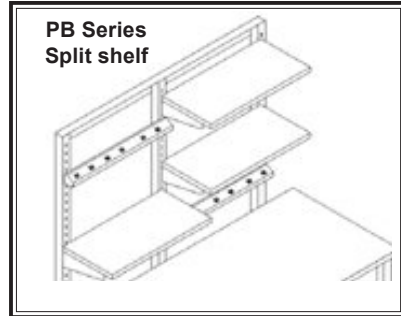
Both starter systems come standard with; two uprights, one rear panel, two adjustable roller shelves, six roller tracks and two guides per shelf.

- ◆ All shelves are adjustable and can be tilted for gravity feed and multiple shelf stacking applications.
- ◆ Shelf depths are 36" 48" and 60" deep,
- ◆ Flow bench widths are 48" 60" 72" and 96" wide.

PB Flow Rack Station



Slotted Uprights



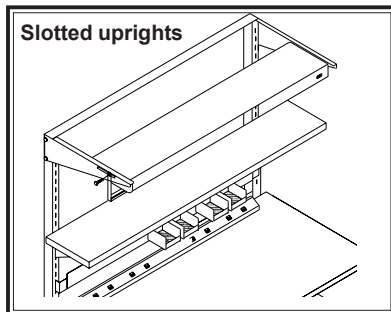
PB Split Shelf Uprights are constructed of heavy gauge formed steel. The split shelf design provides additional shelving and or other hang-on accessories where needed.

- The uprights mount directly to the workbench frame, increasing the structural integrity of the upright assembly.
- Slotted upright height is 48" above the work surface
Shelves not included



C2 Split Shelf Uprights are constructed of heavy gauge formed steel.

- The split shelf design provides additional shelving and or other hang-on accessories where needed.
- Overall hgt. is 30" (mounts to the inside uprights).
- Overhead Hatches, Electrical Channel, Shelves and other accessories can all mount to either side on the split shelf unit...



Slotted Uprights are constructed of heavy gauge formed steel.

- Slotted uprights mount directly to the rear of the workbench frame.
- Three (3) slotted uprights are provided with a 96" workbench.
- Double sided uprights mount directly to the work surface
- Uprights come standard with a top cross bar for side to side support
- Overhead light, shelf, tool trolley and other optional hang-on accessories can all be mounted to the slotted uprights.



Concept 2000 Uprights are available for both single and double position workstation configurations.

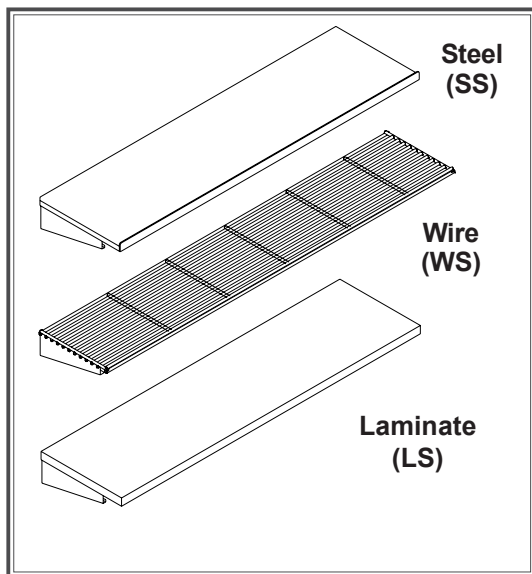
- Uprights can be used to reconfigure an adder workstation into a single or double position starter workstation.
- 120" overall hgt. uprights are available for utility passage. Utilities come down from the ceiling to the bench through each upright, (see photo on page 3")

INSTRUMENT SHELVING



Riser shelf provides an economical solution to most instrument shelf applications. Riser panels are constructed of heavy duty formed steel.

- Riser panels come standard **without** inside cover plates, overall height is 21".
- Riser box dimension is 12"d x 20"h ID
- Solid Inside cover plates are optional, Electrical outlets mounted to inside panel (EL2) is optional
- Standard shelf dimension is 15" deep, 18" or 20" deep shelves are optional.
- For load bearing capacity a load beam is used
- Optional center post for heavy applications
- ESD and Clean-Room sealing is available.



Laminated Shelves (LS) construction is the same material as the work surface.

- A support beam is used underneath all shelves larger than 48" to enhance the load bearing capacity of the shelf.
- All shelves come with two mounting brackets, load beam.
- Steel front lip is optional for all laminate shelves.

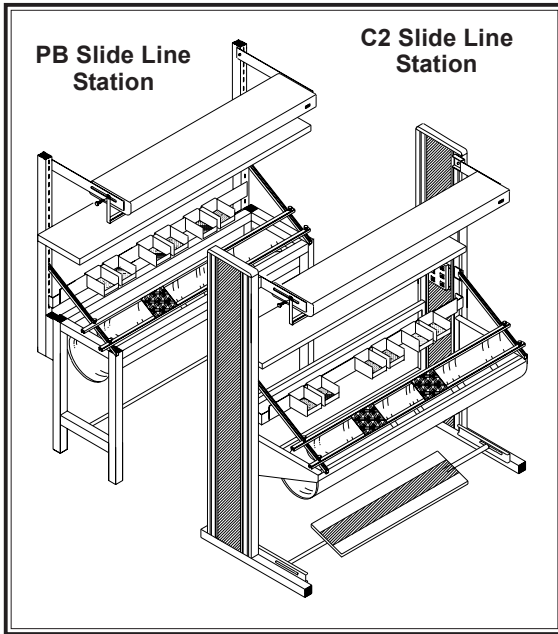
Steel Shelf (SS) is constructed of heavy gauge steel and has a front lip to prevent objects from falling off when tilted. **C2** Steel shelves come with two tilting brackets. **PB** shelves come with two fixed brackets.

Wire Shelf (WS) is constructed of heavy gauge wire and finished with either a white epoxy powder coat or zinc plated. Wire shelves are 12" deep.

ESD (E) and Clean-room laminate (CRS) are available on all shelves. ESD laminate comes with one ground bolt.

Split Shelves, (half the width i.e. 12 x 30 for a 60" bench or 12 x 36 for a 72 bench).

SPECIALTY BENCHES & CABINETS



Slide Line Workstations are available in both the Production and the Concept 2000 series workstations.

- Slide line stations come complete with a PB or C2 frame assembly, and two slide rails.
- Optional accessories include: a third slide rail, drop cloth, parts cups holder and other accessories.

Bench top slide line station comes standard with two slide rails, and a parts cup rail that mounts to the frame.

Slide Line System Only mount to any WSI upright. This unit comes with two slide rails and two adjustable mounting rails that mount to any WSI uprights.



Shelf Unit Starters come standard with two 72”h PB or C2 uprights and four 20” deep adjustable shelves.

- **Economy** in the shelving units are appreciated when a shelf unit adder is joined together with the starter to create a continuous line of shelves.
- Both PB and C2 shelves adjust infinitely. Shelves are constructed of the same material as a work surface. Shelves will support 400 lb. (Evenly distributed).
- All shelves are finished with with or gray laminate ESD and/or clean-room under seal is optional

Consult with the factory for custom sizes

Stencil rack cabinets, can be made to fit any size circuit board, this is a custom cabinet with or without casters, ESD side rails are optional.

Customer vertical cabinets are made our heavy duty steel, two swing cabinet doors allows you to open and access the cabinet with ease.

- Cabinets comes standard with one (1) lower and one (1) mid fixed shelf, three (3) additional adistable shelves
- Standard dimensions are; 36” wide x 24” deep x 72” high

MOBILE PUSH CARTS

PB Tall Carts



C2 Mobile Carts



C2 CRT station



- M**obile Push Carts are offered in both the PB and the C2 series. 36" wide x 24" deep x 36"H
- Carts come standard with T-molded edge.
 - Carts come with three shelves, ESD is optional.
 - All shelves are adjustable
- Mobile carts will support 500-lbs. evenly distributed.
- Steel push Handle is optional

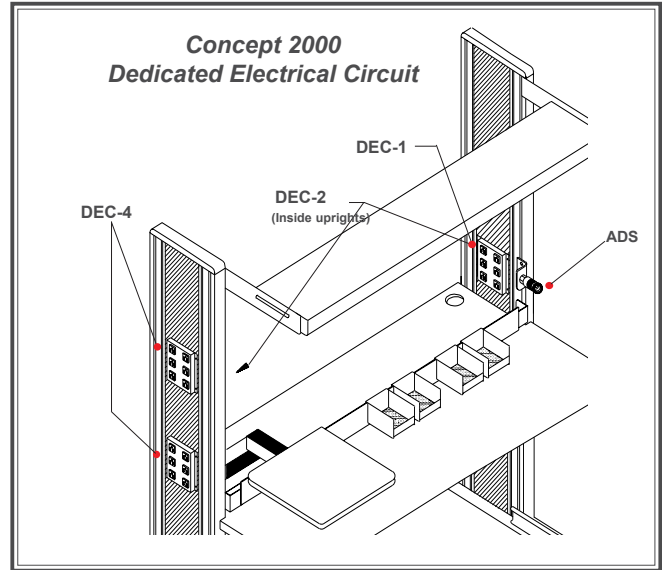
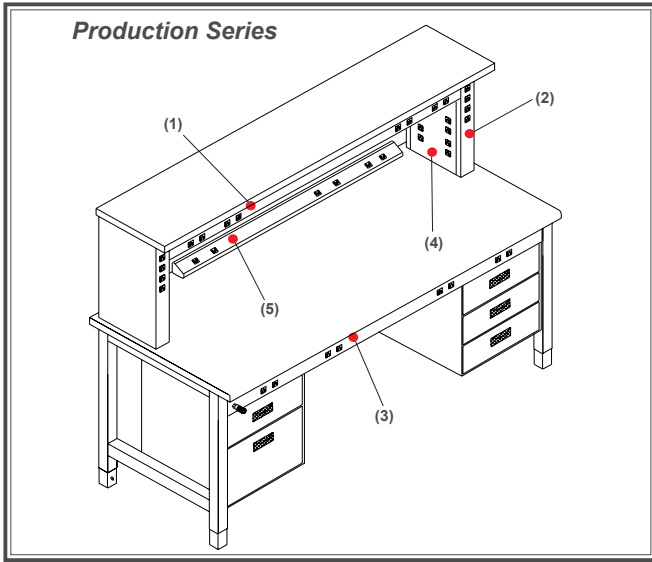
- C**omputer Carts, (CRT) are 24"d x 30"w x 54"h
- CRT carts come equipped with a 20"d top shelf, 24"d work surface, 18"d lower shelf and casters.
- CPU holder and keyboard are optional accessories
- 24"d work surface, 18"d lower shelf and casters.
- ESD and other accessories are optional.
- 24"d work surface, 18"d lower shelf and casters.
- Both series shelves can be infinitely adjustable with the exception of the top shelf.

- T**all Mobile Carts are 24"d x 36"w x 60"h overall
- Carts are offered in two series, Production Series, (PB) or the Concept 2000 series, (C2).
- Carts come with three adjustable shelves and one fixed top shelf.
 - Casters come with two locking and two swivel.
- Shelves are constructed of the same material as the work surface
- Both series shelves have an infinite adjustment range.
- Casters are rated at 250 lbs each.
- ESD shelves and other accessories are all optional.

Consult factory for custom carts

PB Mobile Carts





Production Series *UL listed* Electrical Options:

All electrical channels are constructed of heavy duty formed steel and are finished in a light gray epoxy powder coat paint finish.

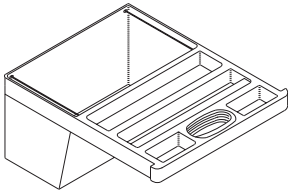
- EL1** 48" Electrical channel mounted underneath the instrument shelf. Equipped with eight outlets, on/off switch, 15 amp circuit breaker and a power cord.
- EL2** Four electrical outlets mounted in the front face of each riser box. Each riser box comes with a 15 amp circuit breaker and a 8-ft. power cord.
- EL3** Electrical channel located in the front or rear beam . Equipped with eight outlets, 15 amp circuit breaker and a power cord.
- EL4** Electrical channel located inside the riser panel. This option comes with six outlets, on/off switch, 15 amp circuit breaker and a power cord. Pricing reflects one electrical panel only. Electrical in both riser panels, order (2ea. EL4)
- EL5** Work surface mounted 48" electrical channel, comes with eight outlets, on/off switch, 15 amp circuit breaker and a power cord.



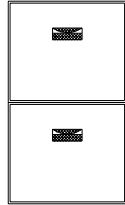
Concept 2000 *UL listed* Electrical Options:

- Dedicated Electrical Circuit** comes with one, two, or four electrical circuits within the upright. All electrical uprights come with 12" wire pigtails for hard wire installation. Optional power cord at no charge, add (-PC) to part number.
- DEC-1** is a one circuit electrical system equipped with one six-outlet electrical panel and 12" wire pigtail
- DEC-2** is a one circuit electrical system that is equipped with two six-outlet electrical panels, one per upright, an interconnecting cable and 12" wire pigtail. Upgrade to a two circuit system, (Part # 2C-UPG)
- DEC-4** is a two circuit electrical system. This option comes with four six-outlet electrical panels, (24 total) two per upright, an interconnecting cable and 12" wire pigtail per circuit. Circuits 1 & 2 will be identified. Upgrade to a four circuit system, (Part # 4C-UPG)
- UDW** Utility duct way is constructed of heavy duty steel and is mounded below the work surface. Duct way will house and manage all your electrical needs
- UDW-D** Utility duct way with data partition, same channel as above but comes with a center divider for data shielding
- UDW-C2** Utility duct way with data partition mounts in between the uprights and can bet interconnect from upright to upright, bench to bench, (UL Listed)

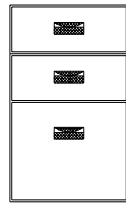
DRAWERS and CABINETS



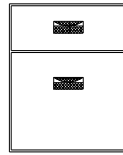
NO~NEEZ



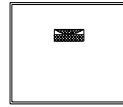
2 F



2 BF



1 BF



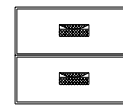
1 F



4 B



3 B



2 B



1 B

NO~NEEZ DRAWER designed with safety as the prevailing factor...

The *NO~NEEZ Drawer* offers an alternative to today's

storage requirements in the ever-changing tight and enclosed working environment.

- The large tub in the rear can be used for storage or filing, and is recessed 12" from the front edge of the drawer.
- The *NO~NEEZ Drawer* allows operators to access both corners of the bench eliminating injury to legs or knees due to sharp drawer corners.

Flipper Door Cabinets



Upper Storage Cabinets (left) are fabricated with heavy duty steel and finished with an epoxy powder finish. 16" H x 14" D x 36, 48, 60, 72" W. 60" and 72" cabinets come with a center divider.

Door Locks are optional

Glass overhead Lab cabinet are also available.

Mobile file cabinets (right) any drawer configuration above can be made into a mobile cabinet.



Storage Steel Cabinet (right) are designed to meet most storage requirements. 24"d x 36"w x 76"h including 4" casters, (Cab Dim is 72") Cabinets comes with one fixed and four adjustable shelves.

Locks are optional.

Steel Base cabinet (left) comes with two hinged doors, work surface and an opening in the rear for plumbing access. Sink & faucets are optional. 24"d x 36" w x 35" high, Surface depth may vary pending depth of lab bench

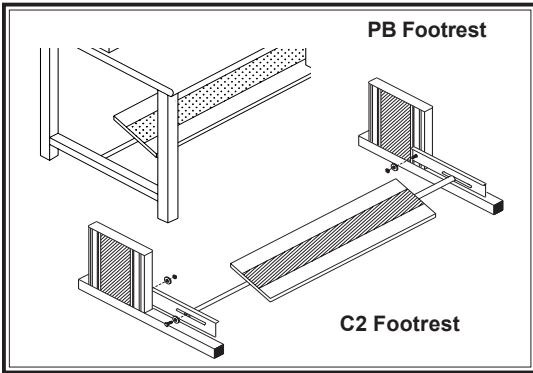


Drawers and Cabinets (center) mount to any existing workbench.

- All drawers come standard with an 18" full extension 100-lb. rated heavy duty roller bearing slide. 6" or 12" drawers can bolt together to configure several different drawer configurations.
- Drawer dimensions are, 15" wide x 18" deep. Locks are optional.

Mobile drawer cabinets are also available

Lighting and Air

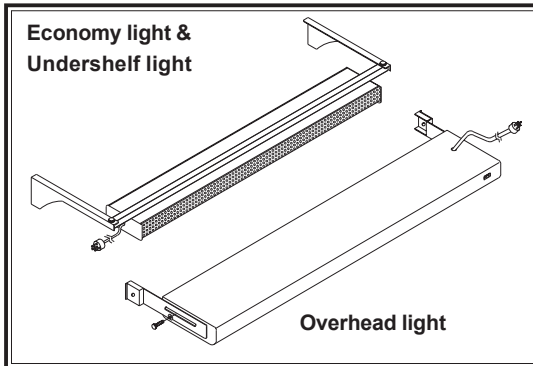


Footrest Tube and **Tilting Pan** are available for both PB and C2

- The footrest tube is 1" round tubing and is bright zinc plated.
- C2 footrest tube adjusts in/out and up/down.
- The footrest pan is a formed steel pan lined with a friction pad.
- The tilting footrest pan is 10" deep x 40" wide

The Footrest pan tilts up/down for operator comfort.

Free standing footrest units are available upon request, (not shown)



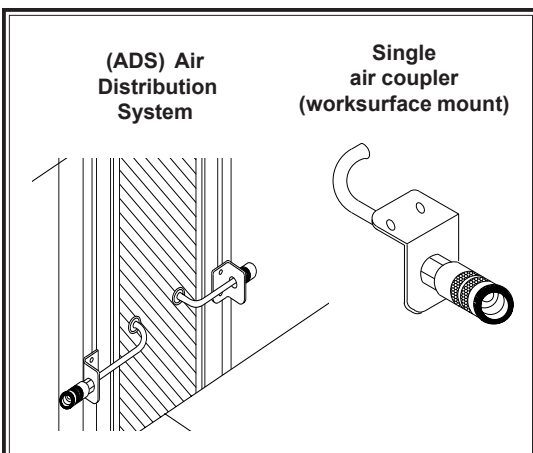
Overhead Light housing is constructed of formed steel and is equipped with an on/off switch and a prismatic lens.

All lights are finished with a light gray epoxy powder coat paint finish.

- 48" light fixture uses two 36" light tubes.
- 60" and 72" light fixture uses two 48" light tubes.
- 96" light fixture uses two 72" light tubes
- Consult factory for electronic ballast upgrade.

Economy Light is a 48" double tube lens covered light.

- The economy light mounts to a workbench mounting bar.
- All lights come with mounting brackets and a light bar.
- Slotted upright option is required to mount any light fixture.
- Economy light fixture **does not** come with an on/off switch.
- **Light tubes not included with any light.**



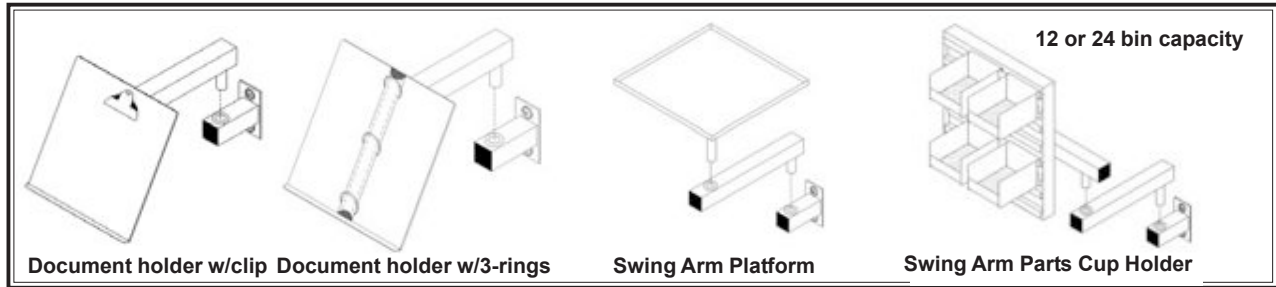
Concept 2000 Air Distribution System, (ADS) is designed to accommodate most air requirements at 100 psi. Air lines are inter-connected from upright to upright and are concealed within the uprights.

Single Sided Air, (ADS-SS) comes with one female air coupler and interconnecting air lines.

Double Sided Air, (ADS-DS) comes standard with two air couplers, one on each upright, (as shown) and necessary connectors.

Single or Dual Air Coupler Only attaches to the underside of the work surface, comes with one air coupler, mounting bracket, and 18" air line.

PRODUCTIVITY ACCESSORIES



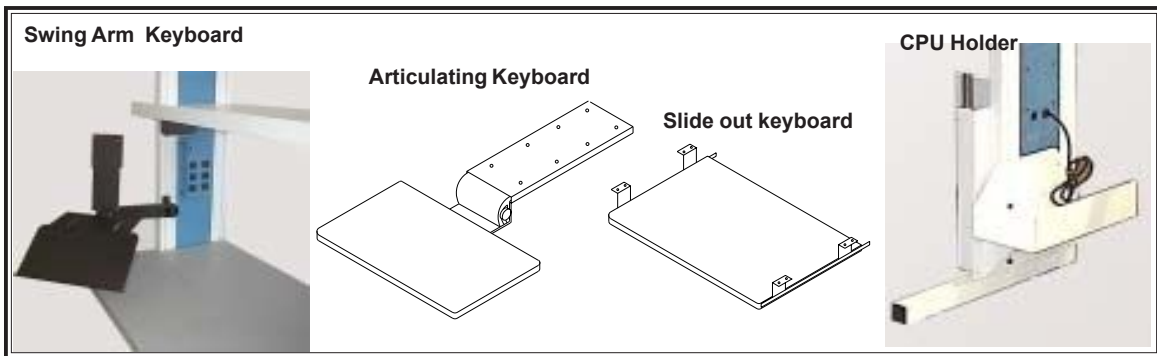
Swing Arm Accessories aid in reducing cumulative trauma disorders associated with repetitive and excessive reaching.

- Standard arm extension is 10" long.
- Platform dimension is 12" x 12".
- Flat screen monitor holder is also available

Parts Cup Rail attachment supports twelve 4" bin cups. Optional 24 bin cup holder is available

Document Holders come in three different styles.

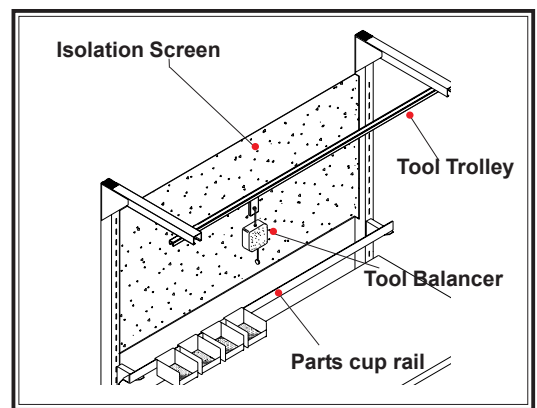
- (1) Swing-arm w/top paper clip
- (2) Swing-arm with three ring binder.
- (3) Fixed formed top magnetic beam that mounts in between uprights, (not shown).



Fixed Keyboard attached to any swing-arm.

- **Articulating Arm** adjusts up/down and tilts forward.
- **Slide-out Keyboard**, mounts under the work surface. Both keyboards are 10" x 22"
- **CPU Holder** attaches to any workbench. CPU Holder will support CPU's up to 9" wide

Tackable Isolation Screen



Tool trolley attaches to any WSI upright.

- One eye hook is provided for tool attachment
- Additional hooks are available.

Tool balancer reels are available in several weights

Parts cup rail supports different size bin cups.

- Parts cup rail attaches to any WSI upright.
- Rails adjust up/down on the upright.

Isolation screen mounts to any WSI upright.

- Constructed of steel or tackable fabric material.

WORK SURFACE ACCESSORIES-ESD



Corner surfaces can be attached to any adjacent bench to form a 180 degree workstation.

- Available chamfers for a 30" deep work surface are 4" and 16";
- 30" deep surface overall depth of the work surface will be (4") 34" x 34" or (16") 46" x 46"
- 36" deep corner surface are available with a 4" or 12" front chamfer.
- 36" deep surface overall depth of the work surface will be (4") 40" x 40" or (12") 48" x 48"
- Corner surfaces come with one rear support leg.



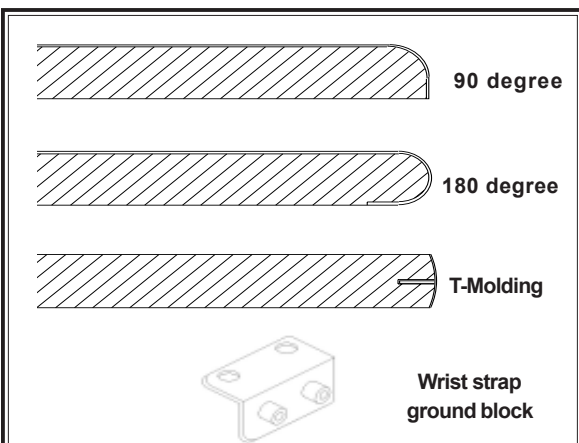
Work Surfaces and Shelves are constructed of 1.25" industrial grade 45 - 48lb. particle board.

- High impact resistant laminate is standard.
- All work surfaces come standard with a 180 degree rolled front edge, shelves come with a straight edge.
- 180 degree rolled front edge and Vinyl T-Mold are all optional upgrades.
- Load bearing load beams for all surfaces are available, *consult factory*.



Other work surface Options

- Maple butcher block 1 3/4"
- Stainless Steel over industrial particle board, comes with a rolled front and rear edge
- Resin Lab top 3/4" thick
- Chemical resistant laminated work surface



ESD work surfaces come with two ground bolts only.

ESD Grounding System comes standard with a dual wrist strap ground block, 8-ft. ground wire and a wrist strap.

Wrist strap ground block comes with a dual terminating block

Clean room under seal can be applied underneath any surface. White laminate is standard, ESD under seal is optional.

T-molded work surface are available in black, putty and charcoal gray. All corners have a 1.5" radius.

Conductive Mats, soft or hard, are available and can be cut to any size. All mats have one ground snap.

500 / 550 Series Seating

500 Series



550 Series



600 Series



650 Series



(Shown w/optional arms)

500 Series Chair (single paddle) is our most economical chair. Medium density **2.5" thick foam** for both the backrest and the seat. This chair is warranted for 7 years

Seat: 17 3/4" d x 19 1/2" w x 2 1/2" thick

Back: 17 1/4" h x 16 3/4" w x 2 1/2" thick

Base: 24" dia. Black nylon w/dual wheel casters
 30" - 32" bench, recommended seat height is 18" - 23"
 32" - 36" bench, recommended seat height is 21" - 31"

Single Paddle seat control (500 Series)

Seat adjusts up/down 5" or 10"

Backrest adjusts 3" in/out & up/down

Two Paddle seat control (600 Series)

(1) Seat adjusts 5" or 10"

(2) Back and seat forward tilt

Backrest can be adjusted up/down 3"

600 Series Chair (two paddle) is our most economical multi adjustable chair. Medium density **non-molded foam** for both the backrest and the seat. This chair is warranted for 7 years.

Seat: 17 3/4" d x 19 1/2" w x 2 1/2" thick

Back: 17 1/4" h x 16 3/4" w x 2 1/2" thick

Base: 24" dia. Black nylon w/dual wheel casters
 30" - 32" bench, recommended seat height is 18" - 23"
 32" - 36" bench, recommended seat height is 21" - 31"

ESD Options

Standard ESD and Clean-room chairs come with a heavy duty black nylon base, nylon casters and an ESD drag chain.

Optional chrome base and conductive casters:

See accessory page for chrome base, cylinder and ESD casters.

500 Series

500-SF	18" - 23"	Standard Fabric
550-SF	21" - 31"	Standard Fabric
500-ESD	18" - 23"	ESD Fabric
550-ESD	21" - 31"	ESD Fabric
500-SV	18" - 23"	Standard Vinyl
550-SV	21" - 31"	Standard Vinyl
500-EV	18" - 23"	ESD Vinyl
550-EV	21" - 31"	ESD Vinyl
500-CRV	18" - 23"	Clean-Room Vinyl
550-CRV	21" - 31"	Clean-Room Vinyl
500-ECR	18" - 23"	ESD Clean-Room
550-ECR	21" - 31"	ESD Clean-Room

600 Series

600-SF	18" - 23"	Standard Fabric
650-SF	21" - 31"	Standard Fabric
600-ESD	18" - 23"	ESD Fabric
650-ESD	21" - 31"	ESD Fabric
600-SV	18" - 23"	Standard Vinyl
650-SV	21" - 31"	Standard Vinyl
600-EV	18" - 23"	ESD Vinyl
650-EV	21" - 31"	ESD Vinyl
600-CRV	18" - 23"	Clean-Room Vinyl
650-CRV	21" - 31"	Clean-Room Vinyl
600-ECR	18" - 23"	ESD Clean-Room
650-ECR	21" - 31"	ESD Clean-Room



700 Series ESD or Standard Polyurethane Seating is our basic (**single paddle**) industrial chair.

800 Series ESD or standard Polyurethane Seating is a (**two paddle**) fully adjustable ergonomic chair.

Both series chairs are specifically designed for long term seating and lasting use in the toughest working environment. Furthermore, the polyurethane series chairs are designed with ergonomics as the prevailing feature, these chairs improves productivity and reduce body fatigue that is built up from due to long term seating.

This rugged self-skinned polyurethane seat and back is resistant to stains, grease, water, punctures and chemicals.

Clean Room Options; This chair is great for clean room applications and will meet class 10 environments with the appropriate upgrades, (chrome base, chrome back bar)

ESD polyethylene seating is also available in both the 700 and 800 series chairs.

Specifications:

Seat: 17" "d x 18 1/2"w

Back: 12 1/4"h x 16"w

Base: 26" dia. Black nylon w/dual wheel casters

30" - 32" bench, recommended seat height is 18" - 23"

32" - 36" bench, recommended seat height is 20" - 30"

Single Paddle seat control (700 Series)

Seat adjusts up/down 5" or 10"

Back rest adjusts up / down 3" & in / out 2"

Two Paddle seat control (800 Series)

Seat and back tilts and adjusts independent of each other.

(1) Seat adjusts 5" or 10"

(2) Back and seat forward tilt

(3) Back rest can be adjusted up/down 3"

900 Series Polyurethane sit-stand stool allows you to either sit or stand at a height range between, 20" - 30".

This stool comes standard with chair glides and a heavy duty 24" nylon base, chrome base and a foot ring are both optional, see optional page.

700 Series

700-SF	18" - 23"	Black Polyurethane
700-ESD	18" - 23"	Black Polyurethane
750-SF	20" - 30"	Black Polyurethane
750-ESD	20" - 30"	Black Polyurethane
758-ESD	20" - 28"	Black Polyurethane

800 Series

800-SF	18" - 23"	Black Polyurethane
850-SF	20" - 30"	Black Polyurethane
800-ESD	18" - 23"	Black Polyurethane
850-ESD	20" - 30"	Black Polyurethane

900 Series

900-SF	18" - 23"	Black Polyurethane
950-SF	20" - 30"	Black Polyurethane

1000 / 2000 Series Seating



(Shown w/optional chrome base)

1000 Series Chair (single paddle) is our basic chair.

Both the seat and back rest foam is high density molded contour foam. This chair is warranted for 10 years.

Seat: 17" d x 19 1/2" w x 3" thick

Back: 17 1/4" h x 16 3/4" w x 2 1/2" thick

Base: 26" dia. Black nylon w/dual wheel casters
 30" - 32" bench, recommended seat height is 18" - 23"
 32" - 36" bench, recommended seat height is 21" - 31"

Single Paddle seat control (1000 Series)

Seat adjusts up/down 5" or 10"

Backrest is fixed and can not adjust.

Two Paddle seat control (2000 Series)

(1) Seat adjusts 5" or 10"

(2) Back and seat forward tilt

Backrest can be adjusted up/down 3"

2000 Series Chair (two paddle) is a fully adjustable ergonomic chair. The seat and back tilts and adjusts independent of each other. This chair is warranted for 7-years. See accessory page for 4-paddle control.

Seat: 17" d x 19 1/2" w x 3" thick

Back: 17 1/4" h x 16 3/4" w x 2 1/2" thick

Base: 26" dia. Black nylon w/dual wheel casters
 30" - 32" bench, recommended seat height is 18" - 23"
 32" - 36" bench, recommended seat height is 21" - 31"

ESD Options

Standard ESD and Clean-room chairs come with a heavy duty black nylon base, nylon casters and an ESD drag chain.

Conductive chrome base option comes with a chrome cylinder and conductive casters for ESD chairs or soft wheel casters for Clean-room chairs.

See accessory options next page.

1000 Series

1000-SF	18" - 23"	Standard Fabric
1050-SF	21" - 31"	Standard Fabric
1000-ESD	18" - 23"	ESD Fabric
1050-ESD	21" - 31"	ESD Fabric
1000-SV	18" - 23"	Standard Vinyl
1050-SV	21" - 31"	Standard Vinyl
1000-EV	18" - 23"	ESD Vinyl
1050-EV	21" - 31"	ESD Vinyl
1000-CRV	18" - 23"	Clean-Room Vinyl
1050-CRV	21" - 31"	Clean-Room Vinyl
1000-ECR	18" - 23"	ESD Clean-Room
1050-ECR	21" - 31"	ESD Clean-Room

2000 Series

2000-SF	18" - 23"	Standard Fabric
2050-SF	21" - 31"	Standard Fabric
2000-ESD	18" - 23"	ESD Fabric
2050-ESD	21" - 31"	ESD Fabric
2000-SV	18" - 23"	Standard Vinyl
2050-SV	21" - 31"	Standard Vinyl
2000-EV	18" - 23"	ESD Vinyl
2050-EV	21" - 31"	ESD Vinyl
2000-CRV	18" - 23"	Clean-Room Vinyl
2050-CRV	21" - 31"	Clean-Room Vinyl
2000-ECR	18" - 23"	ESD Clean-Room
2050-ECR	21" - 31"	ESD Clean-Room

3000 Series



(Shown w/optional arms and chrome base)

3050 Series



4000 Series



4050 Series



3000 Series Chair (one paddle) is our basic larger chair.

Both the seat and back rest foam is high density / high resilient contoured foam. This chair is design is for long term seating and is warranted for 10 years

Seat: 19 3/4"d x 20 1/2"w x 3 1/2" thick

Back: 20 1/2"w x 20"h x 3" thick

Base: 26" dia. Black nylon w/dual wheel casters.

30" - 32" bench, recommended seat height is 18" - 23"

32" - 36" bench, recommended seat height is 21" - 31"

4000 Series Chair (two paddle) is a fully adjustable larger ergonomic chair.

Both the seat and back rest foam is high density high resilient contour foam.

See accessory page for 4-paddle control.

Seat: 19 3/4"d x 20 1/2"w x 3 1/2" thick

Back: 20 1/2"w x 20"h x 3" thick

Base: 26" dia. Black nylon w/dual wheel casters

30" - 32" bench, recommended seat height is 18" - 23"

32" - 36" bench, recommended seat height is 21" - 31"

Single Paddle seat control (3000 Series)

Seat adjusts up/down 5" or 10"

Backrest is fixed and can not adjust.

Two Paddle seat control (4000 Series)

(1) Seat adjusts 5" or 10"

(2) Back and seat forward tilt

Backrest can be adjusted up/down 3"

ESD Options

Standard ESD and Clean-room chairs come with a heavy duty black nylon base, nylon casters and an ESD drag chain.

Optional chrome base and conductive casters:

See accessory page for chrome base, cylinder and ESD casters.

3000 Series

3000-SF	18" - 23"	Standard Fabric
3050-SF	21" - 31"	Standard Fabric
3000-ESD	18" - 23"	ESD Fabric
3050-ESD	21" - 31"	ESD Fabric
3000-SV	18" - 23"	Standard Vinyl
3050-SV	21" - 31"	Standard Vinyl
3000-EV	18" - 23"	ESD Vinyl
3050-EV	21" - 31"	ESD Vinyl
3000-CRV	18" - 23"	Clean-Room Vinyl
3050-CRV	21" - 31"	Clean-Room Vinyl
3000-ECR	18" - 23"	ESD Clean-Room
3050-ECR	21" - 31"	ESD Clean-Room

4000 Series

4000-SF	18" - 23"	Standard Fabric
4050-SF	21" - 31"	Standard Fabric
4000-ESD	18" - 23"	ESD Fabric
4050-ESD	21" - 31"	ESD Fabric
4000-SV	18" - 23"	Standard Vinyl
4050-SV	21" - 31"	Standard Vinyl
4000-EV	18" - 23"	ESD Vinyl
4050-EV	21" - 31"	ESD Vinyl
4000-CRV	18" - 23"	Clean-Room Vinyl
4050-CRV	21" - 31"	Clean-Room Vinyl
4000-ECR	18" - 23"	ESD Clean-Room
4050-ECR	21" - 31"	ESD Clean-Room

700 Series / Accessory Options

400 Series



450 Series



Chrome base



Nylon base



400 Series Chair (one paddle) is our basic round stool.
 The seat foam is 3 1/2" high density / high resilient foam.
 Seat: 15" round x 3 1/2" thick
 Base: 24" dia. Black nylon w/dual wheel casters.
 30" - 32" bench, recommended seat height is 18" - 23"
 32" - 36" bench, recommended seat height is 21" - 31"

Bases and Casters:

- All chairs come standard with a 24" heavy duty nylon base. Chrome 25" base is optional
- Glides, soft wheel and conductive soft wheel casters are optional.

Accessories

CB	Chrome Base
CAS-C	Conductive Casters
CAS-S	Soft Wheel casters
GLD	Glides
CAS-BRK	Braking Casters
ARM-A	Adjustable arms up/down & in/out

FT-20	20" adjustable foot ring
FT-18	18" non adjustable foot ring
DC4	Deluxe four paddle control
DBC	Deluxe spring back one paddle
CYL-5C	5" chrome cylinder
CYL-8	8" chrome cylinder
COM	Custom fabric, consult factory



5", 8", 10" cylinders

Standard caster



Glide



Soft wheel caster



Deluxe Four Paddle upgrade:

Four paddle deluxe control upgrade is available for all series chairs with the two paddle control.
 (1) Seat height adjustment (2) Back & Seat synchro tilt
 (3) 7 degree forward seat tilt (4) Backrest tilt
 Forward tilt comes with a tension adjustment control.

Deluxe One Paddle spring back upgrade:

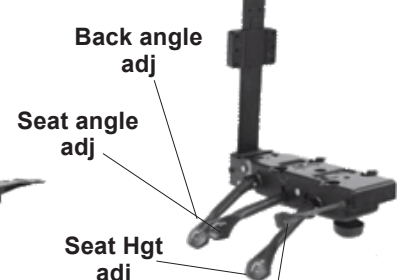
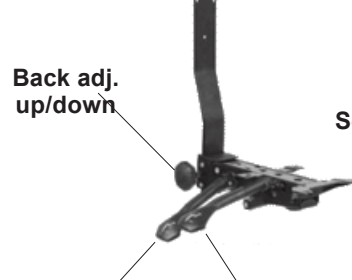
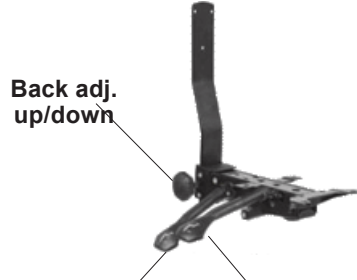
One paddle deluxe spring back control upgrade is available on the 500, 700, 1000, and the 3000 series chairs only. **Will not work with two paddle controls.**
 (1) Seat height adjustment (2) Backrest forward tilt

One paddle (500 Series)

Deluxe One paddle Spring back

Two paddle 2000 Series

Four paddle Deluxe control





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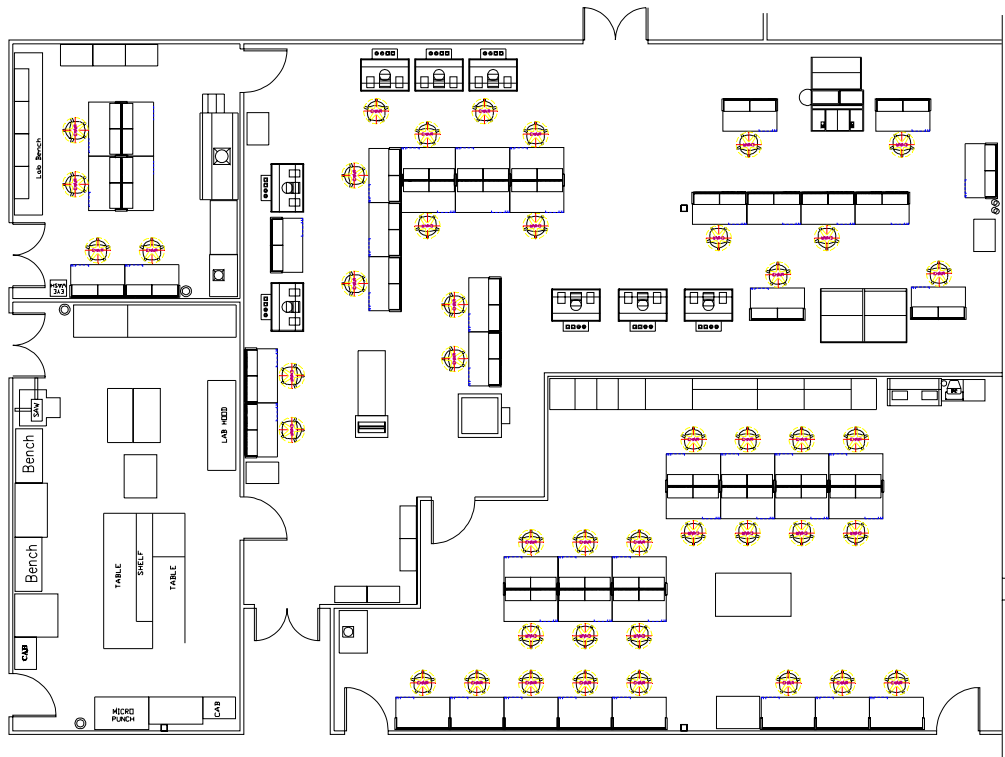
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