

Adaptable Workstations

Multi-Flex Bench: Intelligently designed to enhance your productivity



Flexible Solutions to Advance Technology

IAC's Multi-Flex Bench is today's solution for tomorrows' possibilities.

ASSEMBLY | MACHINE SHOPS
AEROSPACE | BIOMEDICAL
MATERIAL HANDLING
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TRANSPORTATION | GOVERNMENT
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ENGINEERING
AUTOMOTIVE | LABORATORY
CLEANROOM | EDUCATION
RESEARCH | UTILITIES
MEDICAL | DEFENSE | OFFICES

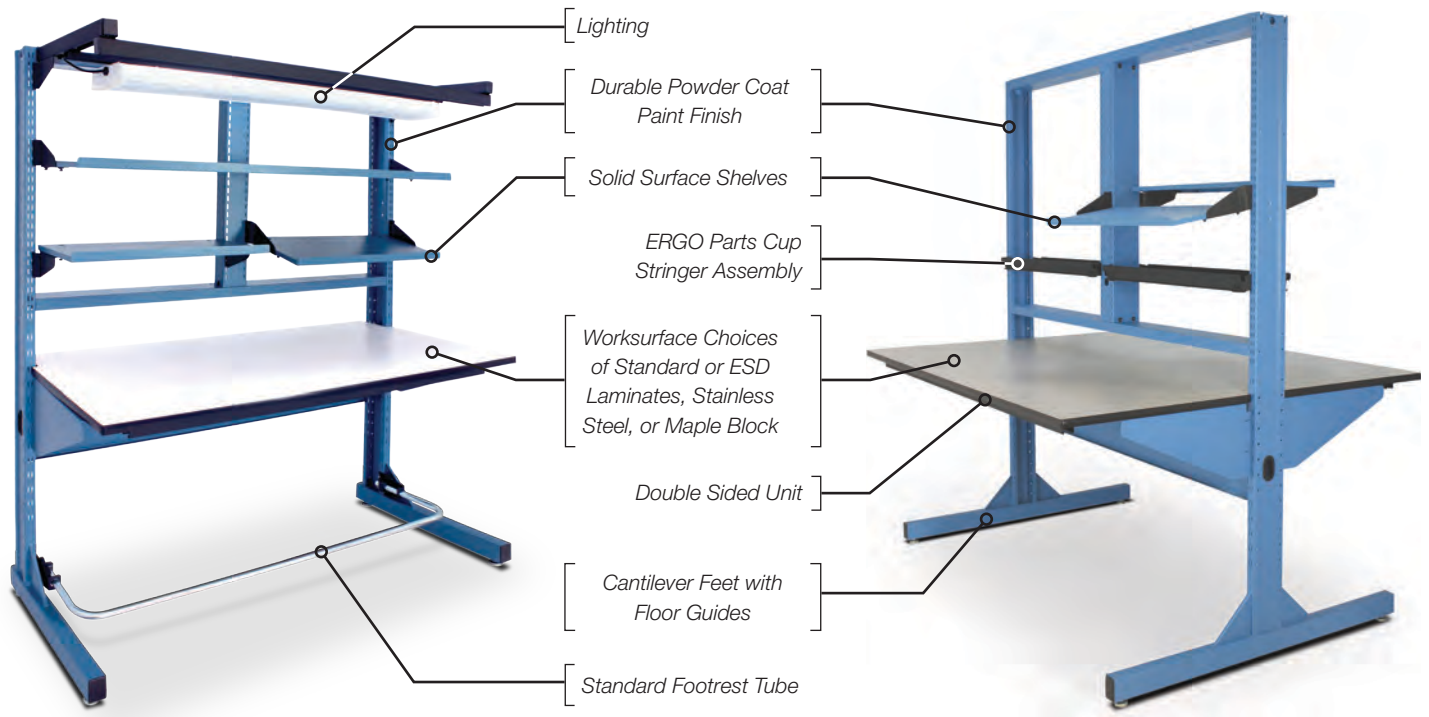


IAC INDUSTRIES

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Multi-Flex Benches

The **Best Choice** for Your Application



Features

Modularity

Design a configuration that adapts to your application needs and/or space.

Flexibility

Independently adjust worksurfaces and accessories to accommodate workers' individual needs; especially useful for expansion and reconfiguration.

ESD Options

Static dissipative laminates, grounding systems ensure a static-safe working environment.

Ergonomic Design

Enhance adjustability with our ergonomically engineered accessory swing arms, footrests, specialty worksurfaces and other options.

Unique Clip System

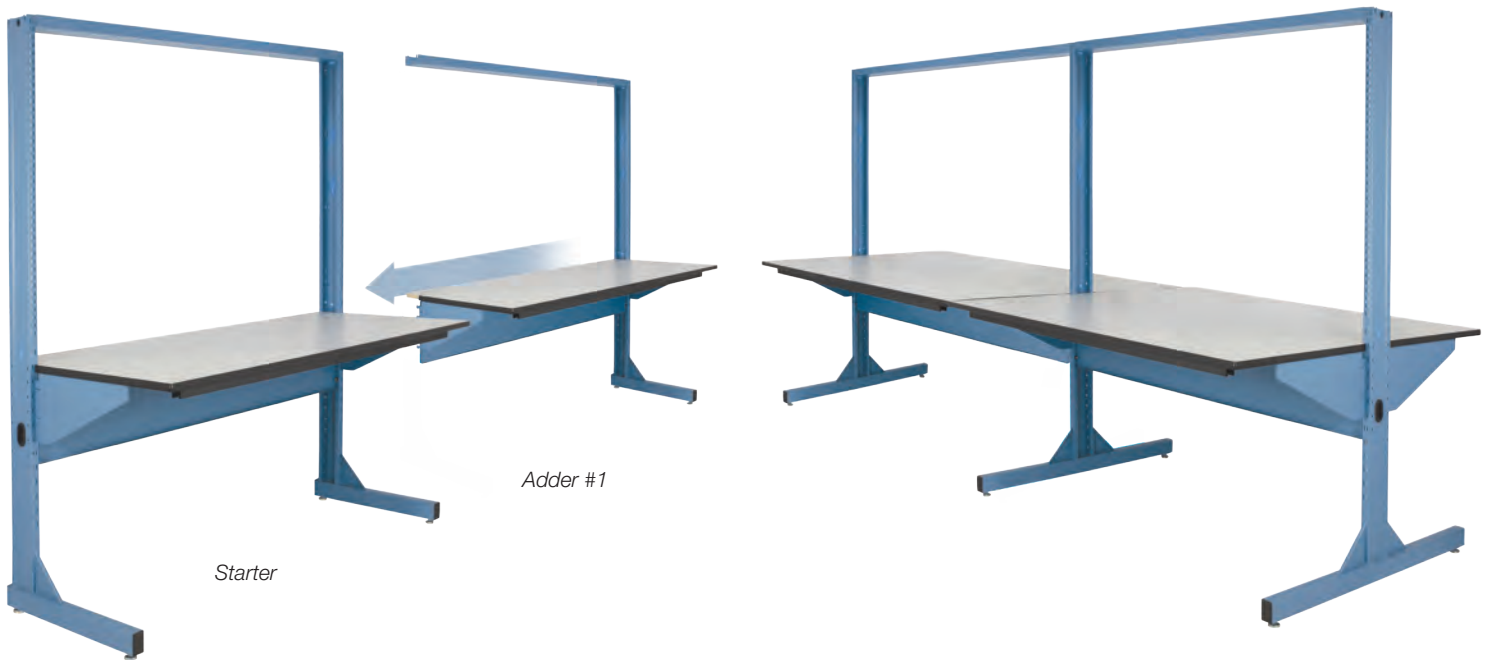
Easy adjustment of shelves and productivity accessories.

IAC Multi-Flex Benches (MFB) are everything but conventional. This advanced line of benches provides the foundation for today's manufacturing and production needs; with flexible options for tomorrow's unknown requirements. The MFB's proprietary modular technology follows lean production standards while incorporating IAC's decades of experience in manufacturing steel furniture. With ease of assembly the MFB immediately adds value to your production quality and working environment. When things change, the MFB system can be reconfigured to meet the needs of tomorrow's possibilities.

This system's strong steel frame and incrementally slotted heavy gauge formed steel uprights provide a lifetime of durability and functionality. With either a single or double sided starter unit you can begin establishing your standalone configuration, then quickly combine with an MFB "adder" unit to complete your layout. These are the first steps to advance your technology with the convenience of MFB's flexible solutions.

All IAC products are ergonomically designed to ensure maximum worker safety, improved efficiency and greater productivity. Each Multi-Flex Bench is fully adjustable, providing you with the ability to customize your stations with footrests, shelving, worksurface height adjustments and other components for personal comfort and efficiency.

Starter / Adders



The concept of modular technology allows the Do It Yourself (DIY) mentality to thrive, providing tremendous contribution to quality output. IAC's Multi-Flex Bench (MFB) harnesses this concept with slotted heavy gauge steel uprights that are the foundation of the MFB's flexibility and the starting point for an efficient workspace that meets lean standards. Beginning with the anchor of a fully functional single or double sided workstation, you can easily complete your layout with the modular adder

units, or "links", used to create an endless variety of high-performance production lines. Adders are also available as single or double sided units.

The MFB includes countless accessory and storage options that adjust up and down the systems steel slotted uprights, from the floor up. This modular systems ergonomic design includes multiple worksurface options, widths, depths and heights.

Endless Configurations



Multi-Flex Benches can be configured in an almost limitless fashion. Combine with corner and double-sided Adder units to create U-shaped or linear manufacturing and assembly cells – one of the most effective products in the market for space conservancy and manufacturing productivity.

MFB Uprights



Shown with Center Upright option..

- The MFB ergonomic design is fully height adjustable and includes a full complement of ergonomic accessories. This modular, flexible and versatile concept is accomplished with starters and adders, single and double sided stations - all with standard and custom options.
- The MFB slotted uprights are formed from heavy gauge steel channels that are 5" deep by 1.5" wide. These uprights are securely welded to heavy gauge steel tubing bottom supports that are 3" tall by 2" wide, including plastic end caps that provide a finished appearance. Overall standard upright heights are 60", 72" and 84" high.
- Floor glides provide workstation leveling adjustment.
- The incremental slotted formed steel uprights provide 1" on center adjustment of accessories and facilitate easy assembly and re-assembly of bench frame and worksurface height.

Frame Assembly



- Single Sided versions include a heavy gauge 13" high support panel that attaches to each upright; this provides rigid and square foundation for the bench with the addition of a pair of heavy gauge formed steel worksurface support brackets. These components are mirrored on the Double Sided versions.
- Each configuration includes two UniStrut worksurface support channels that provide horizontal support to the worksurface and the ability to suspend drawers and cabinets.
- The captive UniStrut nuts are used to attach suspended drawers and/or cabinets from the workstation frame. This design enables the drawers and/or cabinets to be positioned anywhere along the frame, left, middle or right. The Frame color matches the color of the uprights.

Worksurface Tops



Top to Bottom: Maple Block; Stainless Steel; Standard or ESD Laminates.

- MFB design allows you to order the frame separate from the worksurface, a single part number for the frame and another for the worksurface. This makes building your MFB configuration simple and easy.
- Worksurfaces include lengths of 48", 60" and 72" with standard depths of 30" and 36". Each configuration has a standard offering of single and double sided worksurface options.
- Overall worksurface length is 1/2" shorter than the nominal callout length, example: a 60" top is actually 59.5" long.
- All worksurfaces are pre-drilled and include inserts that provide strongly structural integrity and longer life of the surface.
- Laminated tops are 1" thick, including laminate, with T-Mold edging on the sides and front of the surface. Laminated back edge.
- ESD worksurface options are available with ESD properties being tested in-house with results recorded at the factory and includes 1 stainless steel ground bolt at the rear right side corner of the bench – quality is always first.
- Stainless Steel and Butcher Block Maple tops are also standard offerings for the MFB.

Options and Accessories

Customize your Multi-Flex Bench with a broad variety of options and accessories. This glimpse at MFB accessories is just the tip of the iceberg. Multi-Flex Bench workstations are extremely versatile and highly configurable.

Lighting and Tool Trolley

Upper structure supports either a UL Listed Light Fixture providing ~100 ft/candles of light or full width Tool Trolley...or both!

Center Upright

Provides ability to add half-length options, including shelves, electrical channels, and bin rails. Can be outfitted with electrical outlets.

Shelving

Full-length and half-length, both also available with ESD surfaces. Formed steel with durable powder coat finish.

Swing Arms

Expand your work area while saving space on the worksurface with these pivoting swing arm accessories. Flat Panel Display with Keyboard tray pictured (display not included).

Parts Cup Bin Rails

Full-length and half-length bin rails are available as standard or ESD types.

Drawers & Lockers

3", 6" and 12" drawers with steel ball bearing slides, and 12" lockers for right and left sides.

Footrests

Frame mounted tube can be adjusted. Optional textured-surface foot pan provides added comfort and support.

Electrical Channels

Full-length and half-length channels provide up to 10 outlets. Each supplied with 15 amp circuit breaker and master switch.



Multi Flex Bench Specifications

Design

- Ergonomic Design with incrementally slotted heavy gauge formed steel uprights
 - Fully Height Adjustable
 - Full complement of ergonomic accessories
- Modular and flexible design and concept highlighting flexibility and versatility
 - Starter and Adder stations
 - Single and Double Sided stations
 - Allows Custom Configurations
 - Ideally suited for in-line applications in both single and double sided configurations
 - Cost effective and space saving when sharing common uprights
- Build-a-bench concept
 - Basic unit consists of 2 uprights, support panel, support brackets, worksurface support channels
 - Worksurfaces sold separately for greater flexibility
- Total workstation capacity is 750 lbs. static load, evenly distributed

Uprights

- Heavy gauge formed steel channels welded to heavy gauge steel tubing bottom supports
- Upright bases include leveling glides and plastic end caps provide finished appearance of bottom support tubes
- Uprights are slotted for attachment of options such as worksurfaces, shelves, electrical channels, lights, isolation screens and flat panel display swing arms, flipper door storage cabinets
- Standard Heights available: 60", 72", 84"
- Upright vertical channel is 5" deep and 1.5" wide

Worksurfaces

- Worksurfaces sold separately for greater flexibility
- Standard Lengths: 48", 60", 72"
- Standard Depths: 30", 36"
- Single sided and double sided
- Overall worksurface actual length is 1/2" shorter than the nominal callout length, example: the 60" worksurface actually measures 59 1/2"
- Standard laminate worksurface with T-Mold is 1" thick, T-Mold color is black
 - 1" commercial grade particle board
 - Postform grade melamine plastic laminate applied under pressure
 - T-Mold edges front and sides, rear edge is laminate
 - Worksurfaces includes inserts for easy of assembly and reconfiguration
- ESD Worksurface
 - Nevamar or SCS Charge-Guard laminate
 - ESD properties are tested and results recorded at the factory
 - Includes 1 stainless steel ground stud at the right rear
 - Includes 10' ground cord

- ESD laminate worksurface with T-Mold is 1" thick, T-Mold color is black
 - 1" commercial grade particle board
 - Postform grade ESD plastic laminate applied under pressure
 - T-Mold edges front and sides, rear edge is laminate
 - Worksurfaces includes inserts for easy of assembly and reconfiguration
- Side edges of worksurfaces meet in the center of the uprights
 - When used in starter and adder in-line stations, worksurface edges are flush together

Frame Assembly

- Single sided stations have a heavy gauge 13" tall support panel that attaches to each upright
 - Provides rigid and square foundation for the workbench
- Pair of heavy gauge formed steel worksurface brackets "clip" into slots in uprights
- Includes two Unistrut worksurface support channels
 - Provides horizontal support to the worksurface
 - Provides support for suspended drawers and cabinets
 - Captive Unistrut nuts are used to attach drawers and suspended cabinets, each can be mounted anywhere along the length of the channels
- The worksurface are incrementally adjustable on the uprights in 2" increments
- Above worksurface accessories are adjustable in 1" increments
- Frame color for support panels and top support brackets match paint selection for the uprights
- Worksurface Unistrut support channel color is Textured Black

Lighting

- Standard light fixture lengths 36" and 48"
- Light fixtures are wrap around diffuser style, electronic ballast and molded power cord with on/off switch
- Light Tubes NOT included with light fixture
- Electronic Ballast
 - Operates above 20,000 Hz and eliminates 60 cycle hum and flicker
- Adjustability
 - Up/down incrementally in upright slots
 - In/out within length of channel supports
- Heavy gauge brackets secure light fixture channel supports to uprights
- Standard fixture info:
 - Ideal for environments with good ambient light and when application requires 80 to 110 foot candles of cool light

Tool Trolley

- Lengths: 48", 60", 72"

- Provides ready access to electric and pneumatic tools
 - Removes tools from the worksurface
 - Reduces awkward and forceful exertions
- Heavy gauge Unistrut channel mounts to light support channels, or can be ordered separately and will include the support channels and mounting brackets
- Toot trolley channel, support channels and mounting brackets are powder coated Textured Black

Shelving

- Provides storage area off the worksurface
- Depths: 12", 14", 18"
- Lengths: 48", 60", 72"
- Heavy gauge formed steel shelf includes front lip
 - 75 lbs. capacity, evenly distributed
 - Shelf lip acts as a parts cup rail
- Heavy gauge formed steel brackets are painted textured black
 - Shelf brackets are sold separately
 - Shelf bracket sets are either flat or slanted
 - Slanted angle is 10 degrees forward
- Shelf can be mounted in front or back slots of the upright
- Standard shelves are powder coated
- ESD shelves are laminated with ESD grade laminate
 - ESD Shelf include one snap in each rear corner of the shelf and one coiled ground

Electrical Options

- Electrical options include horizontally mounted channels, electrical service upgrades in the top tie beam of the bench and in the center upright option, and table top mounted channels
- All electrical options are standard 115 VAC 15 AMP rated and include a circuit breaker on/off switch and 8' molded power cord
- Upright mounted horizontal channels are offered in full and half-length channels and are constructed of aluminum extrusions that are powder coat painted per order
- Horizontal channels are mounted into the slots in uprights with heavy gauge clip in brackets
 - 48" full length includes 4 duplexes
 - 60" full length includes 5 duplexes
 - 72" full length includes 5 duplexes
 - 48" half-length includes 2 duplexes
 - 60" half-length includes 3 duplexes
 - 72" half-length includes 3 duplexes
- Worksurface mounted horizontal channels are offered in full lengths only, each length includes 4 duplexes
- Bench tie beam electrical service upgrade mounts in the tie beam of the bench, includes 4 duplexes
- Bench center upright electrical service mounts in the center upright option of the bench, includes 2 duplexes

Parts Cup Stringers

- Full and half-length offered for 48", 60", 72" benches
- Accepts industry standard parts cups (Lewis, Akro-Mills, Olympic, Buckhorn, etc.)
- Heavy gauge formed steel rail supported by heavy gauge clip in mounting brackets
- Powder-coated metal surface - Standard or ESD
 - Standard versions are powder coated textured black
 - ESD versions are powder coated ESD Black and include a ground bolt and coiled ground cord
- Height adjustable within the slots in the upright
- Angle adjustable, straight and 10 degrees forward
- Accepts other bin rail options (tool, kim wipe, solder, bottle holders, etc.)

Standard Footrest

- Ergonomic benefits for sitting and standing applications
 - Helps to reduce worker stress
- Lengths: 48", 60", 72"
- 1" diameter bright zinc plated "U" shaped tube
- Heavy gauge brackets powder coated Textured Black
- Mounts between the uprights using bolts
 - Easy retrofit
 - Manually adjusts up and down / in and out
- Supports Ergo Foot Pan

Ergo Foot Pan

- Ergonomic benefits for sitting and standing applications
 - Assures proper body weight distribution
 - Provides non-slip platform for use
- Attaches to standard or ergo footrest tube using plastic C-clamps
- Adjustable angle provides optimum comfort
- Heavy gauge formed pan
- Powder coated textured black
- Rounded corners provide safe edges for operators

Free Standing Footrest

- Provides a stable floor for seated or standing workers
- Can be moved where needed
- Adjusts from 2.75" to 11.5" from floor
- 14 gauge base measures 15" x 28.5" – Includes non-skid rubber feet
- Pan has non-skid surface
- Pan tilts in continuous movement for optimum comfort angle
- Powder coated Textured Black
- Rounded corners provide safe edges for operators

Suspended Drawers & Cabinets

- All metal construction using heavy gauge formed steel
- Safety recessed handles on all drawers and cabinets
- Full extension "Easy Close" slides
 - Metal roller ball bearings
 - 100 lbs. full extension rating, spring loaded "easy close" action
 - Full cabinets are easily reconfigured with removable slides
- Mounts anywhere along worksurface support channels
- Provides functional and cost effective storage below the worksurface
- Single drawers are stackable for various configurations
- Single drawers include lock cylinder
- Optional locking mechanism available for most suspended cabinets
- Specify whether locks are to be keyed alike or differently
- Suspended cabinets may interfere with footrest tube depending on worksurface height

Flipper Door Cabinets

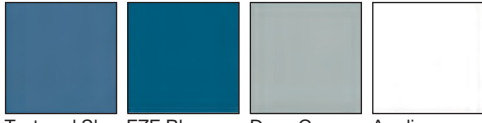
- Above worksurface storage cabinets offered in flip up and slider door styles
- Single Door, Double Door, and Sliding Door configurations available in full and half lengths
- Lengths: 48", 60", and 72"
- All metal construction using heavy gauge formed steel
- Flip up door includes lock(s)
 - Storage for books, binders, instruments, and test equipment
 - Locks can be keyed to match suspended drawers and cabinets
 - Sliding door model does includes "Jewelry Case" lock
- Outside Dimensions: 16'H x 14'D x Length
- Inside usable space is 12.5'H x 13.5'D
- Two recessed handles on door for easy use
- Can be positioned anywhere along the uprights
- Powder coated paint same as order

Corner Tops & Shelf Assemblies

- Corner tops & shelves available in radius and square back treatments
- Available in standard and ESD laminate
- ESD models include 1 stainless steel ground stud and 10' ground cord
- Corner tops supported by heavy gauge support brackets that are adjustable the same as the worksurfaces, powder coated textured black
- Corner shelves supported by heavy gauge brackets that attach to the uprights and are adjustable up and down
- Radius corner tops have a 150 lbs. weight capacity, evenly distributed
- Radius corner shelves have a 75 lbs. weight capacity, evenly distributed
- Square corner tops and shelves include an adjustable rear tube supports
- Square corner tops have a 350 lbs. weight capacity, evenly distributed

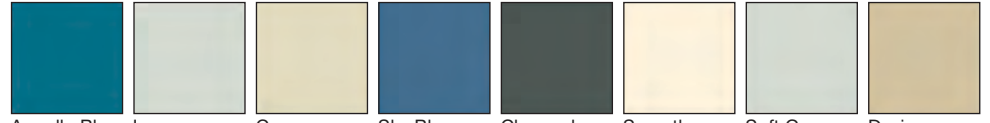
Powder Coat Paint Colors

Standard



Textured Sky Blue EZE Blue Dove Gray Appliance White

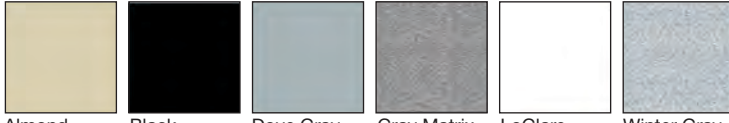
Optional



Apollo Blue Ivory Cream Sky Blue Charcoal Gray Smooth Almond Soft Gray Designer Beige

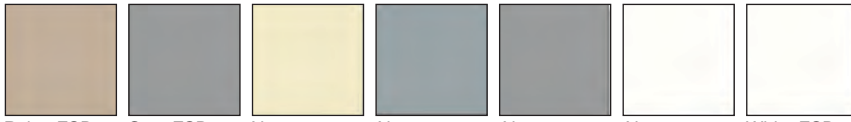
Laminate Colors

Standard



Almond Black Dove Gray Gray Matrix LoGlare White Winter Gray Matrix

ESD



Beige ESD Gray ESD Nevamar Almond Nevamar Beige Nevamar Gray Nevamar White White ESD

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