

Functional Furniture Systems for **AEROSPACE & AVIATION INDUSTRY**

Modular by design
Configured for every application
Flexible & adaptable for tomorrow



CONTROLLED | ASSEMBLY | FABRICATION | TESTING | MRO | INSPECTION | R&D
ENVIRONMENTS



FURNISYS
Functional Furniture Systems



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Understanding the Aerospace & Aviation Industry

Precision, control and repeatability at every stage

Aerospace and aviation facilities bring together highly specialized work environments, where every stage from research and assembly to testing and maintenance demands precision, control, and repeatability. Each space has its own functional requirements, environmental conditions, and compliance obligations, making a one size fits-all workspace approach ineffective.

From ESD-sensitive electronics assembly to heavy-duty fabrication and tightly controlled cleanrooms, the workspace must support productivity, safety, regulatory compliance, material control, and efficient movement through the operation.

Fundamentals of aerospace workspace design



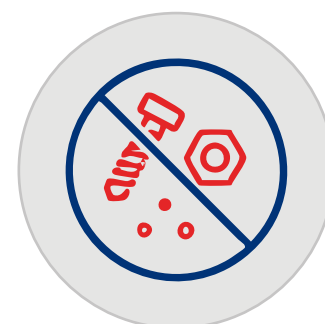
Precision



ESD Protection



Traceability



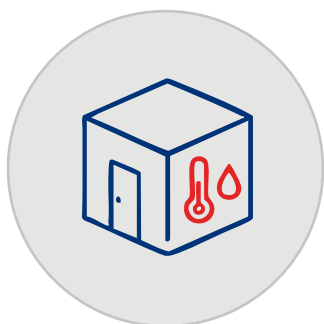
FOD Prevention



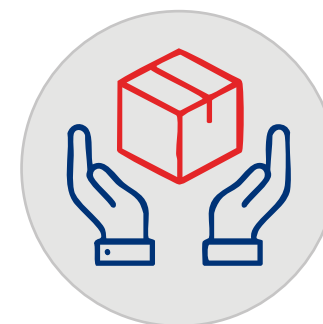
Ergonomics



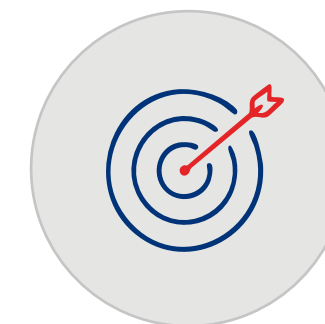
Material &
Tool Control



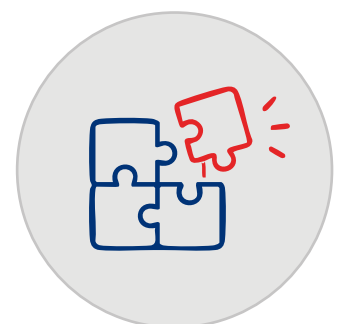
Controlled
Environments



Safe Handling



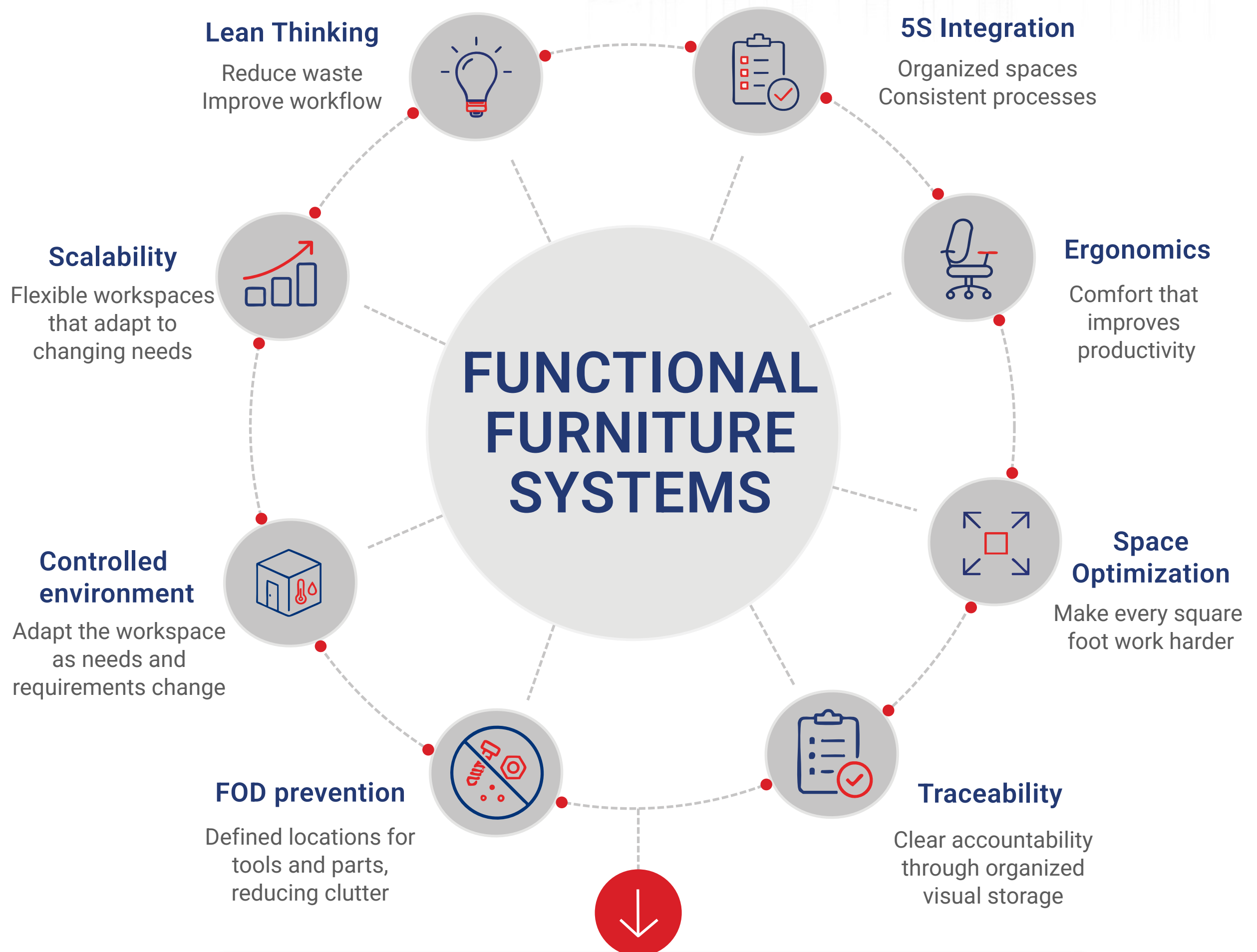
Repeatability



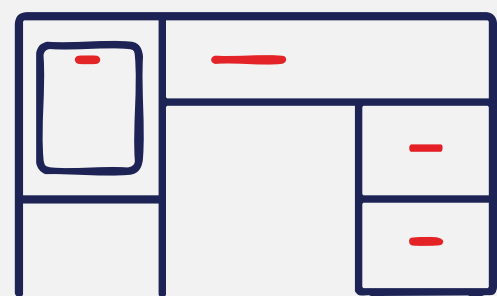
Adaptability

Designing Aerospace & Aviation Workspaces

Principles of an efficient aerospace workspace



THESE PRINCIPLES BECOME



Functional Furniture Systems
Configured for Aerospace
& Aviation Industry

THE FURNISYS PHILOSOPHY

Functional Furniture Systems

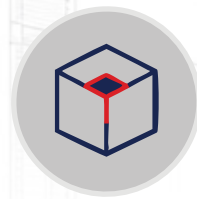
Every Furnisys solution is engineered as an integrated system that adapts to the workflow, supports the operator, and delivers long-term value.



**Better
Productivity**



**Organized
Workspaces**

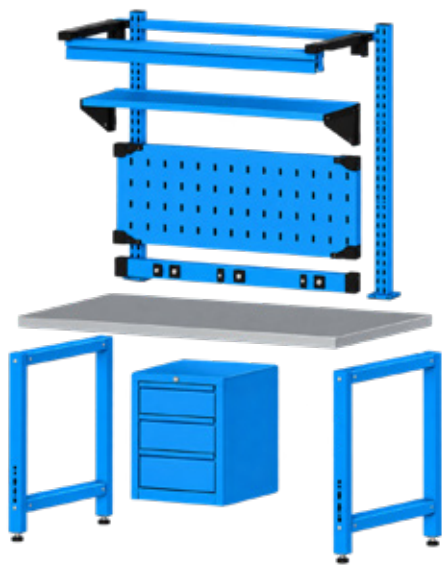


**Future-ready
Infrastructure**



**Integrated
Ecosystem**

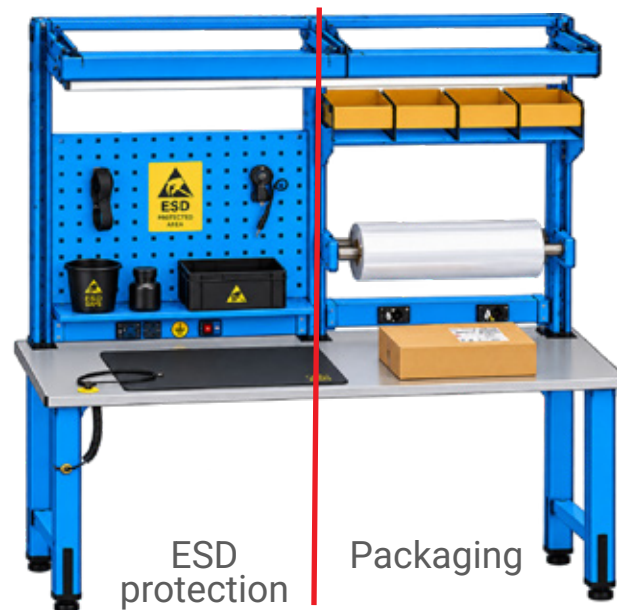
How We Build Every Workspace



01

Modular by Design

Built using interchangeable components that simplify expansion and upgrades.



02

Configurable for every application

Reconfigure, expand, or upgrade your workspace as your processes evolve.



03

Flexible & Adaptable

Every system is designed to suit different industries, applications, workflows and operational needs

Our Design Philosophy

These are the two pillars that define every design decision

Function Over Form



Every feature has a purpose
No unnecessary complexity
Only functional design that improves efficiency

System Thinking



Every component works together
Workstations, Storage,
Accessories, Utilities
Designed as one integrated workspace

THE FURNISYS WORKSPACE ECOSYSTEM

Multiple workspace
One Configured worksystem

Every Furnisys workstation is designed as a connected ecosystem where work systems, storage systems, and each module works together to support efficient operations.



Work Systems

Designed around
application



Base Series



Pro Series



Scitec Series



Link System



Flexi System

Storage Systems

Storage that improves
accessibility,
traceability and
workflow



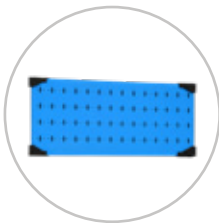
Base
Cabinets



Mobile
Cabinets

Accessories

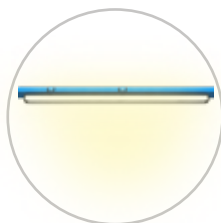
Maximize storage,
visibility and efficiency



Pegboard
panel



Monitor
Arm



Task Light



Worktop



Equipment
Shelf



Bin
Rails



Power
Modules



Link
Uprighter

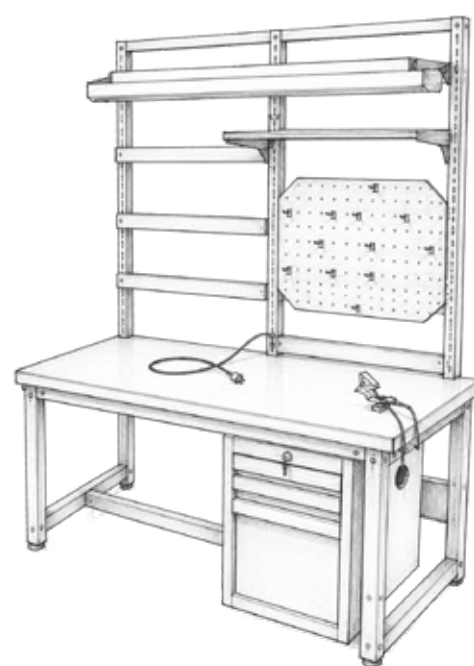
Configured for Aerospace & Aviation Industry's Applications

The same modular system.
Configured specifically for every application



Inspection, Testing & Controlled Environments

Precision workstations
for testing, metrology and
clean assembly



ONE MODULAR PLATFORM



R&D & Prototyping

Flexible workstations,
mobile storage &
integrated utilities
configured for changing
development requirements



MRO & Maintenance

Mobile workstations, tool control,
cabinets & trolleys configured
for line-side maintenance and
technician mobility



Precision Assembly & Fabrication

Stable, heavy-duty workstations,
tool storage & material handling
configured for precision and demanding loads



Avionics & Electronics Assembly

ESD-configured workstations,
grounding, task lighting &
organized component storage
for sensitive assembly

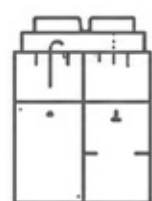
AND MANY MORE SPACES

SAME PLATFORM



Built on a consistent
modular platform

DIFFERENT CONFIGURATION



Tailored to application
and workflow

DIFFERENT WORKFLOW



Optimized to deliver
efficiency, safety and
performance

AEROSPACE & AVIATION WORKSPACE SOLUTIONS

Every process demands a different worksystem

Every aerospace environment has unique operational requirements. From R&D and avionics assembly to structural fabrication, MRO, testing, metrology, controlled assembly and tool management, Furnisys configures modular workspace systems around the workflow.



APPLICATIONS COVERED

01

R&D &
Prototyping
Labs

02

Avionics &
Electronics
Assembly

03

Precision
Mechanical
Assembly

04

Structural
Fabrication &
Sub-assembly

05

MRO Bays

06

Engine
Component
Assembly

07

Environmental
& Stress
Testing Labs

08

Crimping
& Harness
Build Area

09

Quality
Inspection

10

Controlled
Assembly
Zones

11

Tool Crib &
Kitting Areas

R&D & Prototyping Labs

WORKSPACE OVERVIEW

R&D and prototyping labs are where new aerospace systems are conceived, assembled and validated before production. Requirements can change from one stage of development to the next, so the workspace must remain agile.

WORKSPACE CHALLENGES



CHANGEOVER BOTTLENECKS

Fixed workstations limit flexibility and slow changeovers. Layouts struggle to adapt to changing requirements.



ERGONOMIC STRAIN

Long precision sessions can increase operator strain when the workstation is not configured around the task.



REBUILD COST

Rebuilding the lab for every new programme consumes time and budget before testing begins.



ESD & MATERIAL CONTROL

Electronic prototypes and supporting components may require ESD control and organized storage.

RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Modular & configurable worksystem
- ESD-safe lab workstations
- Chemical-resistant worktops
- Smart storage & cable management
- Mobile & adaptable benches

OPERATIONAL OUTCOME



Agile prototype workspace



Protected sensitive assemblies



Less rebuild dependency



Ready for the next programme

Avionics & Electronics Assembly

WORKSPACE OVERVIEW

Avionics and electronics assembly zones handle LRUs, PCBs, wiring harnesses and other sensitive sub systems. Electrostatic protection must be built into the workspace from the start.

WORKSPACE CHALLENGES



INVISIBLE DAMAGE

ESD discharges can cause hidden component damage. Latent failures may appear only in service.



INCOMPLETE ESD CONTROL

Protection must extend beyond the surface to grounding and the accessories used around the assembly.



COMPONENT ORGANIZATION

Sensitive assemblies, tools and small components need controlled, accessible locations.



OPERATOR INTERFACE

The workstation should support the assembly sequence without introducing avoidable clutter.

RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Application-configured ESD workstations
- ESD-safe worksurfaces
- Integrated grounding points
- ESD accessories
- Complete protected work area

OPERATIONAL OUTCOME



Grounded assembly environment



Protection against hidden ESD risk



Organized sensitive part handling



Controlled assembly workspace

Precision Mechanical Assembly

WORKSPACE OVERVIEW

Precision mechanical assembly areas bring together machined parts, alloys and composite structures that must fit and function accurately. The workspace must support delicate alignment as well as physically demanding assembly.

WORKSPACE CHALLENGES



BENCH MOVEMENT

Flex, vibration or instability can force the operator to compensate during precision work.



INCORRECT WORKING HEIGHT

Poor height or reach positioning can increase fatigue over long shifts.



TOOL & PART CLUTTER

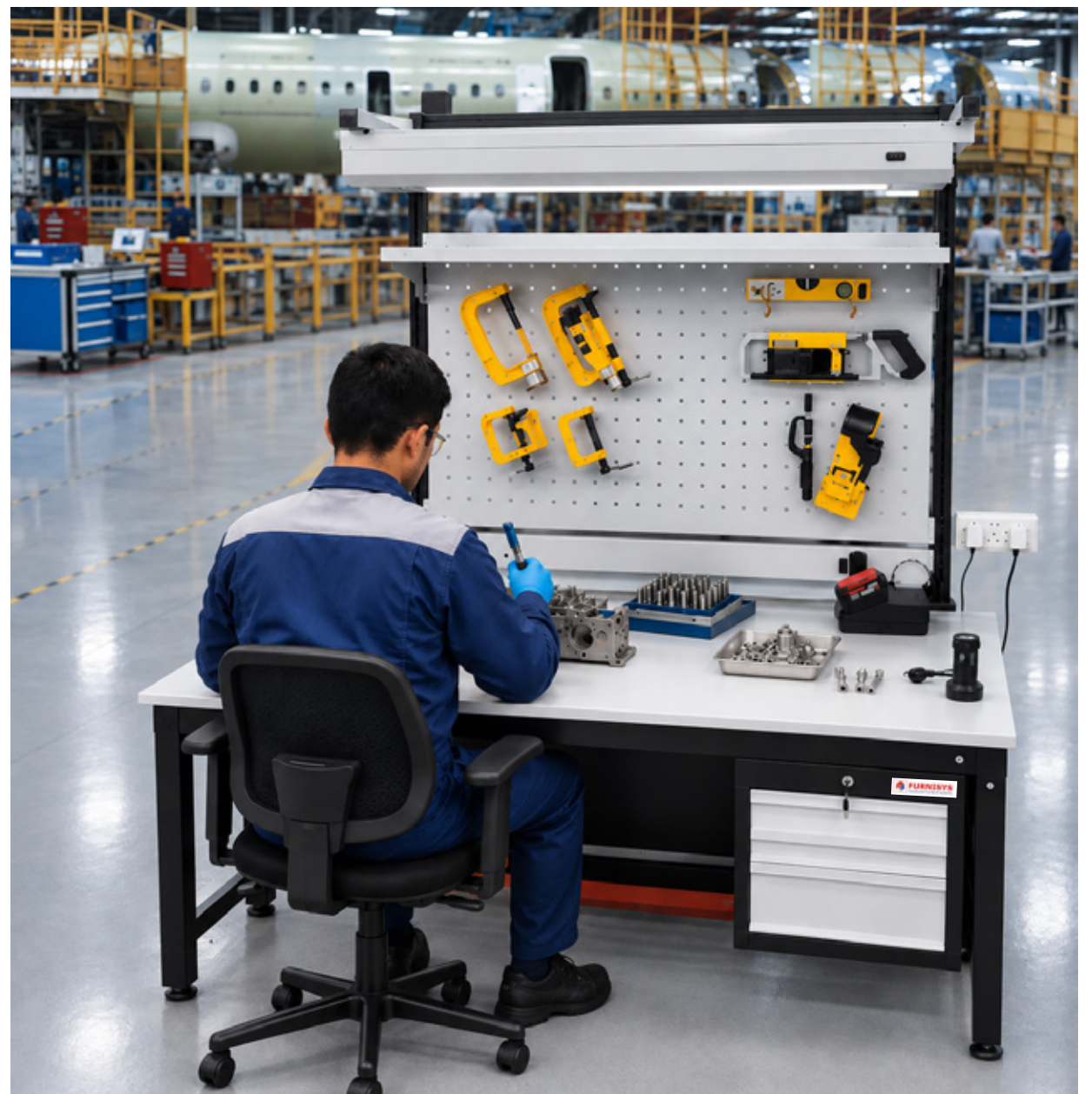
Uncontrolled tools and small parts can interfere with accurate assembly.



REPETITIVE WORK

Repeated assembly tasks require a workspace that supports ergonomic operation.

RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Robust assembly workbenches
- Application-selected worktops
- Adjustable tool holding
- Organized parts-bin rails
- Under-bench storage & clutter control

OPERATIONAL OUTCOME



Stable assembly station



Better ergonomic support



Cleaner build flow



Accuracy and repeatability supported

Structural Fabrication & Sub-assembly

WORKSPACE OVERVIEW

Structural fabrication and sub-assembly zones handle large metal or composite parts such as fuselage sections, ribs, brackets and mounting frames. These are heavy-duty areas where tools, fixtures and parts need clear access.

WORKSPACE CHALLENGES



IMPROVISED WORKSPACES

Without proper work surfaces and storage, improvised setups can slow work and raise FOD risk.



HEAVY LOADS

Work surfaces and storage must support demanding fabrication and sub-assembly tasks.



MOVEMENT BETWEEN STAGES

Large parts can be difficult to move safely between fabrication, fitting and inspection.



FLOOR CLUTTER

Tools, fixtures and mobile equipment can obstruct movement when they lack defined locations.

RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Rugged fabrication workbenches
- Mobile workstations durable worktops
- Lockable castors
- Base cabinets & Link trolleys
- Organized tools, clutter-free floors

OPERATIONAL OUTCOME



Heavy-duty
fabrication support



Accessible
tooling



Controlled movement
between stages



Clearer shop
floor flow

MRO (Maintenance, Repair & Overhaul) Bays

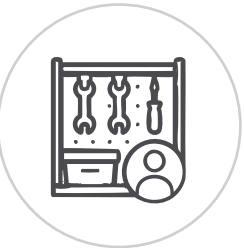
WORKSPACE OVERVIEW

MRO bays are where aircraft are serviced, repaired and returned to service. Technicians work around aircraft, so the workspace has to move with the job.

WORKSPACE CHALLENGES

- 

REDUCED WRENCH TIME

Poor layout and fixed benches increase unnecessary technician movement.
- 

TOOL ACCOUNTABILITY

Missing or poorly controlled tools can create serious airworthiness risk.
- 

LINE-SIDE MOBILITY

Tools and support equipment need to travel with the maintenance task.
- 

AUDITABILITY

Tool organization should make presence, storage and return easier to control.

RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Rugged mobile maintenance workstations
- Tool trolleys & cabinets
- Foam-insert & shadow-board tool control
- Durable worktops & pegboard storage
- Organized, auditable maintenance flow

OPERATIONAL OUTCOME



Improved tool control



Less wasted technician movement



More auditable maintenance flow



Workspace that moves with the job

Engine Component Assembly

WORKSPACE OVERVIEW

Engine component assembly areas are precision critical zones where turbine modules, compressor sections, shafts and related sub-systems are assembled. The work combines heavy handling with very fine build requirements.

WORKSPACE CHALLENGES



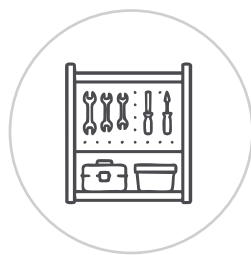
WEIGHT VS PRECISION

The workspace must handle demanding loads without compromising controlled assembly.



SMALL-PART MIX-UP

Seals, fasteners and other small parts need clear segregation and traceability.



SPECIALIZED TOOL STORAGE

Torque tools and specialized equipment require controlled, accessible storage.



HANDLING RISK

Poor organization can increase injury risk and handling difficulty.

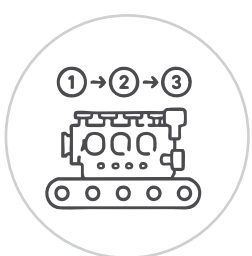
RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Modular & configurable worksystem
- ESD-safe lab workstations
- Chemical-resistant worktops
- Smart storage & cable management
- Mobile & adaptable benches

OPERATIONAL OUTCOME



Controlled engine
build flow



Component
traceability support



Better small-part
segregation



Cleaner,
safer handling

Environmental & Stress Testing Labs

WORKSPACE OVERVIEW

Environmental and stress testing labs validate aerospace components under thermal, vibration, humidity, altitude and acoustic conditions. These zones combine test chambers, Instrumentation rigs and preparation areas.

WORKSPACE CHALLENGES



CHANGING TEST PROGRAMMES

Qualification cycles can change the rigs, instruments and preparation requirements around the workspace.



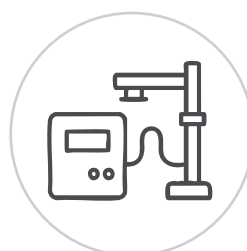
FIXED FURNITURE

Furniture that cannot adapt creates bottle necks between test programmes.



MIXED REQUIREMENTS

Different tests may require standard, chemical-resistant or ESD-safe worktops.



EQUIPMENT SUPPORT

Instrumentation and preparation activities need organized, accessible support.

RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Reconfigurable workstations
- Heavy-duty benches
- Mobile storage solutions
- Application-specific worktops
- Adaptable to changing programmes

OPERATIONAL OUTCOME



Easier programme changeovers



Adaptable test support



Application selected surfaces



Less furniture driven bottleneck

Crimping & Harness Build Area

WORKSPACE OVERVIEW

Crimping and harness build areas are dedicated wiring assembly zones where aircraft harnesses are cut, stripped, crimped, inspected and tested. Many small parts must remain organized in sequence.

WORKSPACE CHALLENGES



SMALL-PART ORGANIZATION

Connectors, contacts and consumables need clearly defined locations.



SEQUENCE VISIBILITY

The workspace should support the order in which harness work is performed.



LIGHTING ERRORS

Poor lighting can contribute to colour identification errors and rework.



ESD REQUIREMENTS

Electronic signal harnesses may require ESD-safe surfaces and grounding.

RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Configurable workbenches
- Overhead storage & bin rails
- Integrated pegboards & task lighting
- ESD-safe surfaces
- Grounding provisions

OPERATIONAL OUTCOME



Structured
harness station



Improved component
visibility



Better sequence
control



Reduced rework
potential

Quality Inspection, Calibration & Metrology

WORKSPACE OVERVIEW

Inspection, calibration and metrology areas are controlled zones where parts and instruments are verified against defined standards. Accuracy here affects the trust placed in everything that passes through the facility.

WORKSPACE CHALLENGES



INSTRUMENT SEGREGATION

Mixing calibrated and uncalibrated tools can create control problems.



BENCH STABILITY

An unstable surface can undermine confidence in measurement conditions.



TRACEABILITY

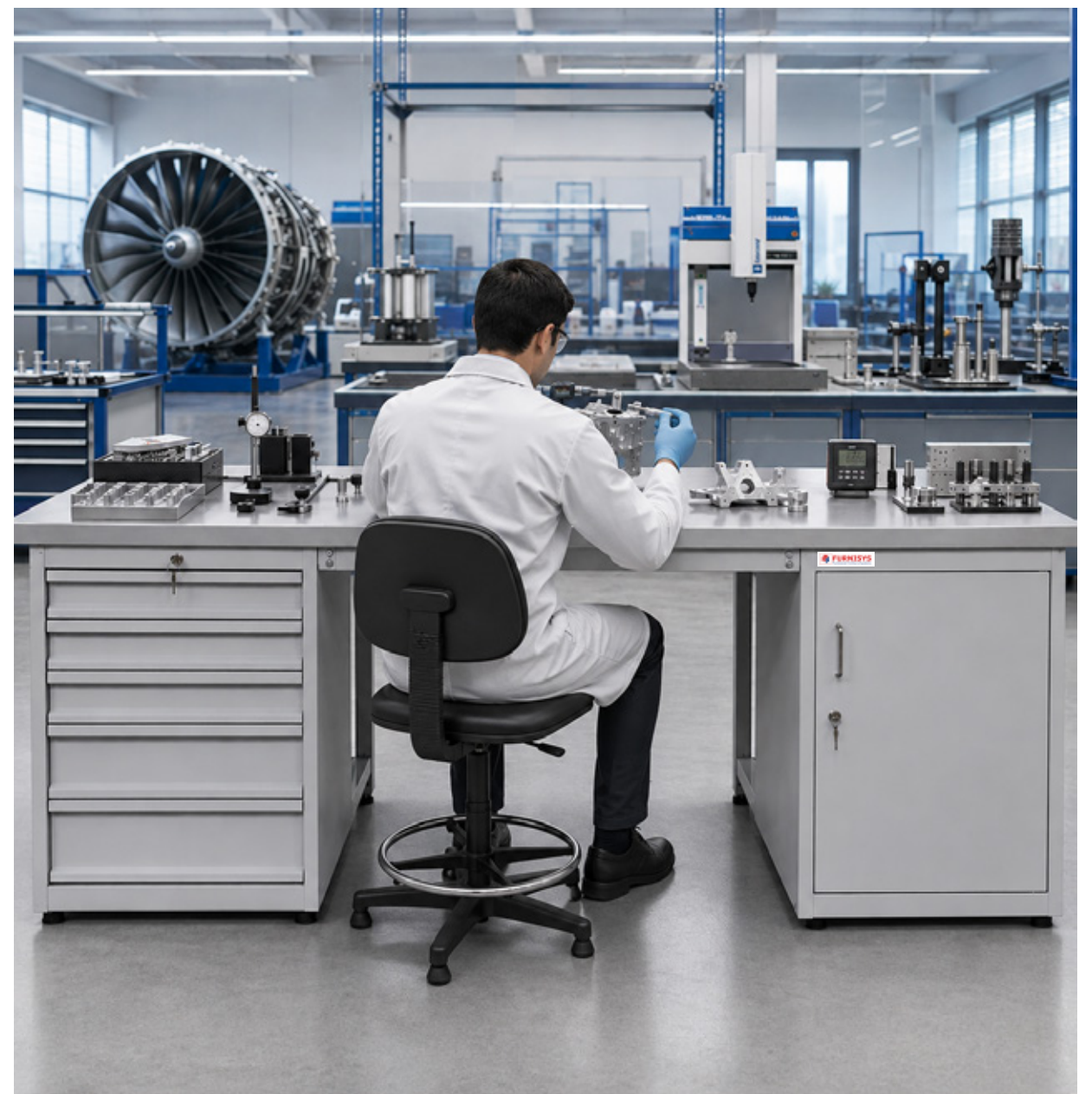
Instruments and gauges need organized, identifiable storage.



AUDIT READINESS

Clean worktops, clear segregation and proper lighting support controlled inspection.

RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Stable precision workstations
- Organized instrument & gauge storage
- Clear segregation
- Clean, well-lit worktops
- Audit-ready workspace

OPERATIONAL OUTCOME



Controlled inspection
environment



Accuracy supported
by stable workspace



Improved
traceability



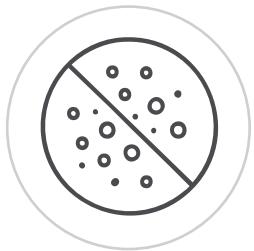
Clearer audit
readiness

Cleanroom / Controlled Assembly Zones

WORKSPACE OVERVIEW

Cleanroom and controlled assembly zones protect sensitive aerospace components from particulate, molecular and electrostatic contamination. Furniture in these spaces has to support the environment, not disrupt it.

WORKSPACE CHALLENGES



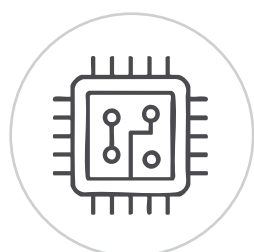
PARTICLE GENERATION

Conventional industrial furniture can shed particles or create difficult to clean areas.



DUST TRAPS

Poorly considered surfaces and storage can trap contamination.



SENSITIVE COMPONENTS

Optics, sensors, avionics and precision assemblies can be compromised by contamination.



ESD CONTROL

Controlled assembly involving electronics may require integrated ESD protection.

RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Cleanroom-compatible workstations
- Smooth, easy-clean worktops
- Enclosed storage
- ESD-ready configurations
- Controlled-zone support

OPERATIONAL OUTCOME



Easy-clean workspace



Controlled handling support



Better contamination control



ESD-ready where required

Tool Crib & Kitting Areas

WORKSPACE OVERVIEW

Tool crib and kitting areas manage the flow of tools, parts and consumables across the facility. These zones are central to traceability, picking accuracy and on-time issue to the shop floor.

WORKSPACE CHALLENGES



SEARCH TIME

Disorganization increases the time technicians spend locating tools and parts.



INCORRECT KITS

Poor picking control can result in incomplete or incorrect kits.



TOOL ACCOUNTABILITY

Issue and return need visible, disciplined control.



FOD RISK

Uncontrolled tools and parts can create FOD concerns in maintenance environments.

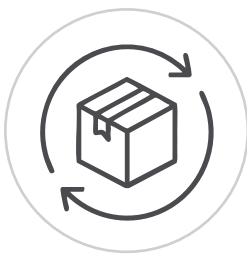
RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- High-density tool crib storage
- Controlled issue counters
- Flow racks & mobile kitting trolleys
- Foam-insert & shadow-board tool control
- Easy tool visibility & accountability

OPERATIONAL OUTCOME



Faster issue and return



Improved accountability

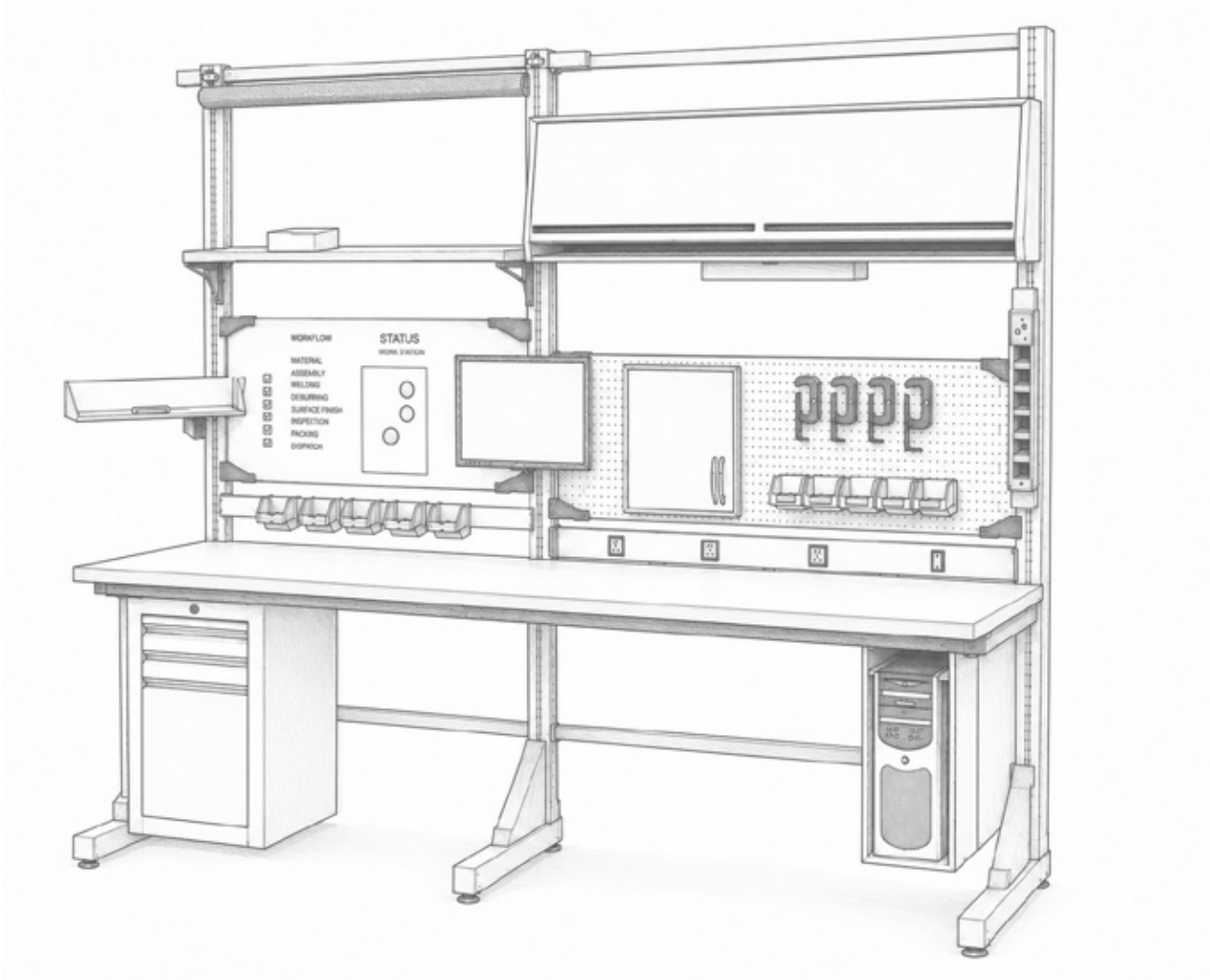


Better picking control



FOD prevention support

YOUR WORKSPACE JOURNEY WITH FURNISYS



01



Product/Program

Defines and governs the systems, what we build, why it exists, and how it scales.

- Application-Based Solutions
- Modular Systems
- Quality Assurance

02



Development

Designs and develops the system end-to-end from engineering and space planning to manufacturing process and tooling ensuring every solution is both well designed and reliably built.

- System Engineering
- Space Planning
- Tooling Development

03



Revenue

Connects customers with the right solutions by understanding their applications, educating them on available options, and delivering the most suitable product through direct sales and channel partners.

- Customer Solutions
- Product Guidance
- Channel Partnerships

04



Operations

Transforms confirmed orders into delivered products through disciplined planning, quality assurance, and timely dispatch with consistency built in at every cycle.

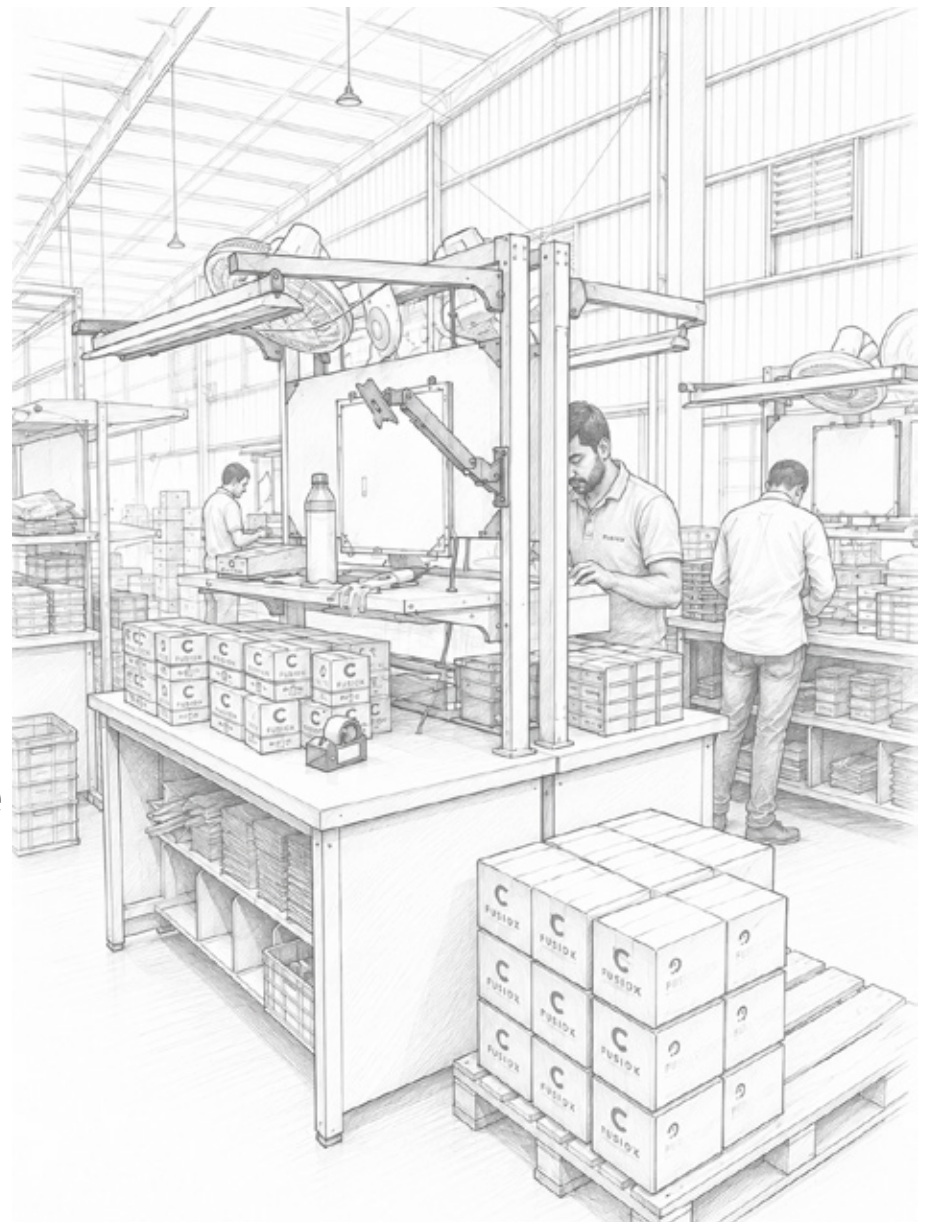
- Order Planning
- Quality Assurance
- Timely Dispatch

ABOUT FURNISYS

Decades of Manufacturing Excellence

2018 - The Beginning

We entered under the brand name **FURNACE** into the workspace furniture industry, creating customized solutions for education and manufacturing sectors, and served over 104+ satisfied clients.


2018

Started in 2018
by the name Furnace


104+

we have catered
to 104+ clients



Why Furnisys ?

FURNI (Furniture) + **SYS** (Systems)



FUNCTIONAL FURNITURE SYSTEMS

Today - The Evolution

As work environment evolved, **FURNACE** transformed into **FURNISYS** - a brand that delivers Modular, configurable, and Scalable systems for companies moving toward standardization, adapting seamlessly across industries and applications.



22,000 sq.ft.
Manufacturing Facility



**Modular
Workspace Systems**
Configured for Every Industry



Engineering-led
Approach



End-to-End
Project Support

TRUSTED ACROSS INDUSTRIES

HEALTHCARE



AUTOMOBILE



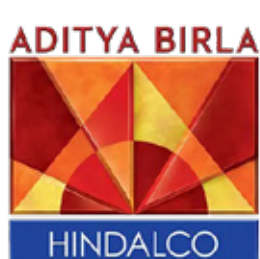
AGRICULTURE & OUTDOOR



POWER GENERATION



METALWORKING



AEROSPACE & AVIATION



CONSTRUCTION



TEXTILE & APPAREL



GOVERNMENT, MILITARY & LAWENFORCEMENT



OIL & GAS



Explore Furnisys solutions
for your industry 



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