

Functional Furniture Systems for GEMS & JEWELLERY INDUSTRY

Precision-engineered workspaces
Configured for every process
Flexible systems built for tomorrow



R&D & DESIGN | METAL FORMING | STONE SETTING | ASSEMBLY | HALLMARKING | INSPECTION | FINISHING



FURNISYS
Functional Furniture Systems



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Understanding the Gems & Jewellery Industry

Precision craftsmanship meets controlled manufacturing

Gems and jewellery manufacturing brings together fine craftsmanship and industrial process control within the same facility. From melting and casting to cutting, forming, finishing and certification, every stage handles high-value materials where precision, security and traceability are critical.

Each process has its own operational demands. A wire-drawing station requires stability and load capacity, while a hallmarking counter requires controlled zoning and secure sample storage. Precision stone setting demands excellent lighting and vibration-resistant surfaces, while plating requires chemical-resistant and segregated workspaces.



Fundamentals of gems & jewellery workspace design



Precision

Stable workspaces
for detail-critical
operations



Material Security

Controlled handling
and storage of
high-value materials



Traceability

Organised movement
and accountability
of materials



Ergonomics

Workspaces designed
for precision and
repetitive tasks



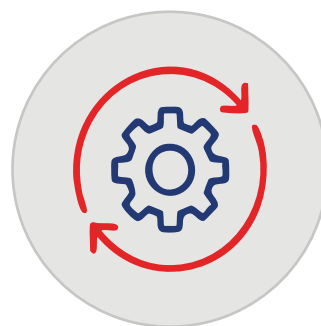
Process Segregation

Separate environments
for wet, hot and
precision processes



Compliance

Workspace infrastructure
that supports applicable
quality, safety and
regulatory requirements

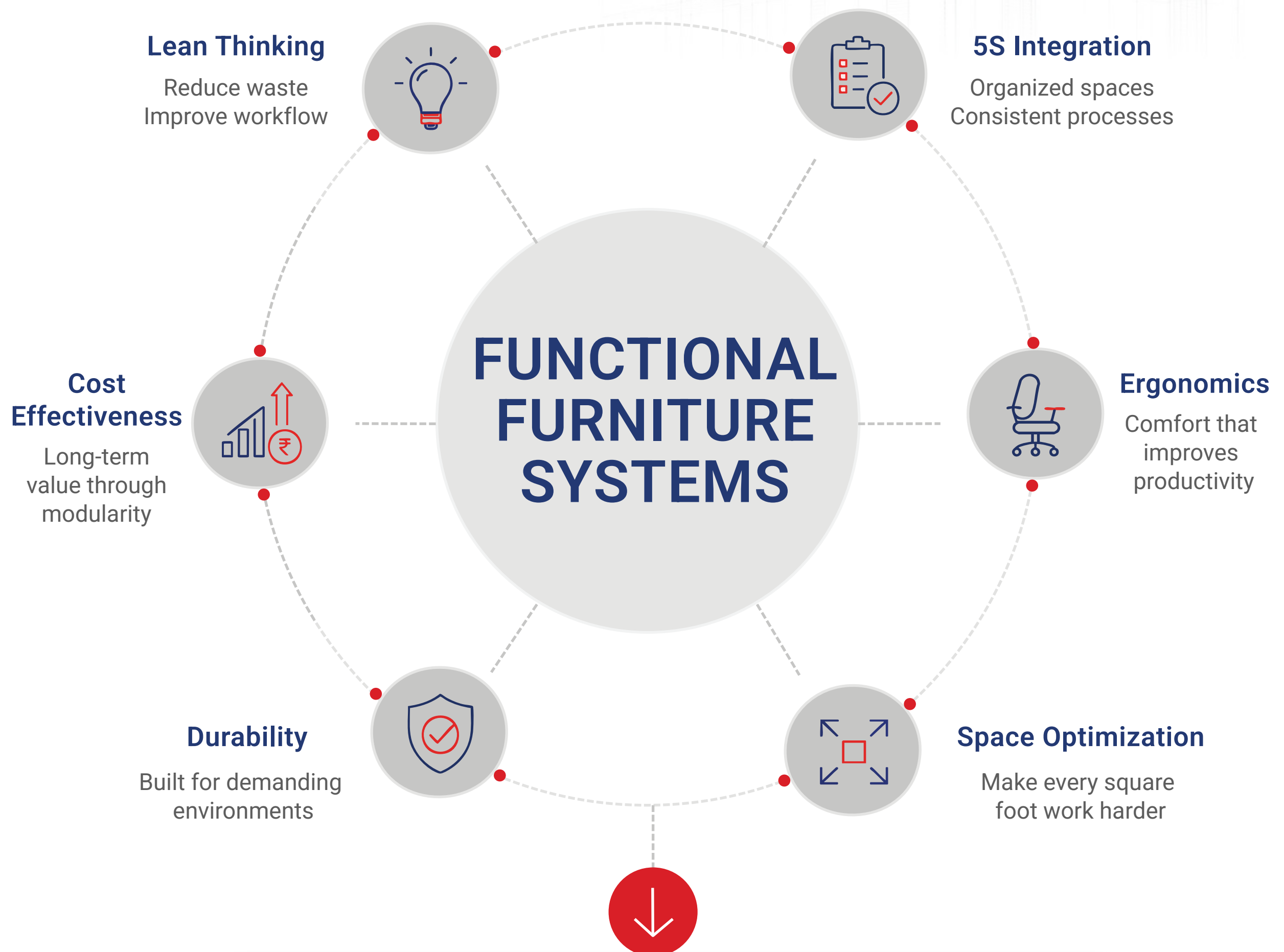


Operational Efficiency

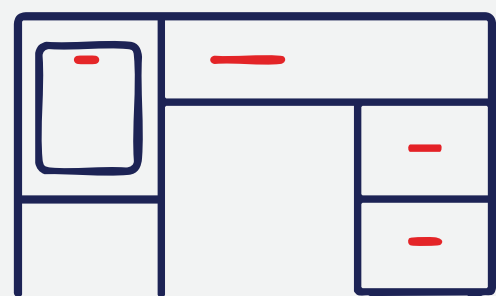
Workspaces that reduce
unnecessary movement
and improve workflow

Designing Gems & Jewellery Workspaces

Principles of an efficient gems & Jewellery workspace



THESE PRINCIPLES BECOME



Functional Furniture Systems
Configured for Gems
& Jewellery Industry

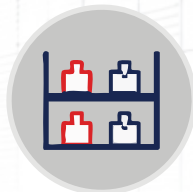
THE FURNISYS PHILOSOPHY

Functional Furniture Systems

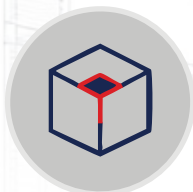
Every Furnisys solution is engineered as an integrated system that adapts to the workflow, supports the operator, and delivers long-term value



**Better
Productivity**



**Organized
Workspaces**

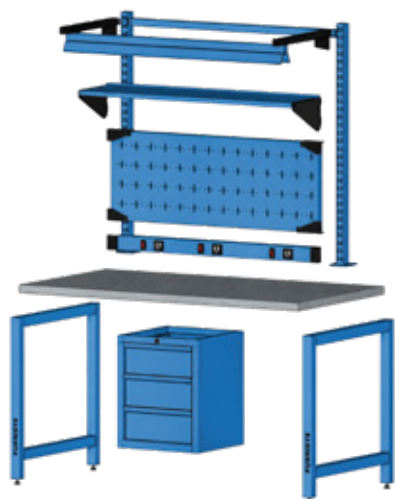


**Future-ready
Infrastructure**



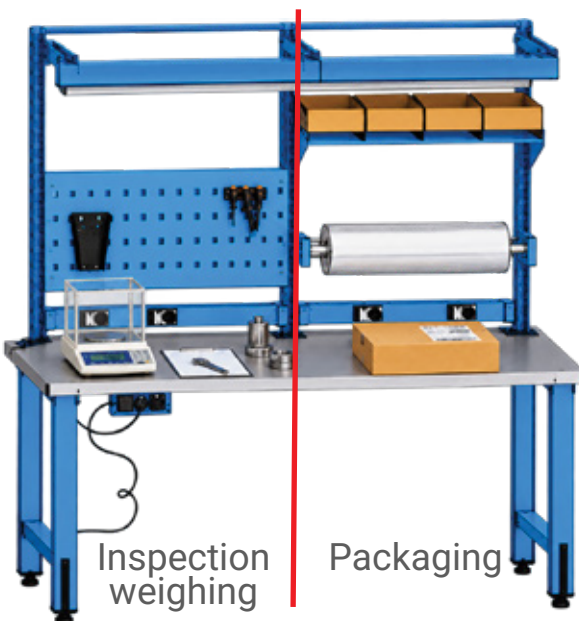
**Integrated
Ecosystem**

How We Build Every Workspace



01 Modular by Design

Built using interchangeable components that simplify expansion, upgrades and workspace changes



02 Configurable for every application

Every system is tailored to suit different processes, workflows and operational requirements



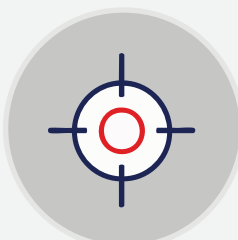
03 Flexible & Adaptable

Reconfigure, expand or upgrade your workspace as your processes evolve

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.

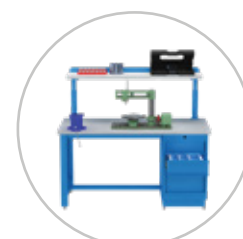


Work Systems

Designed around
application



Base Series



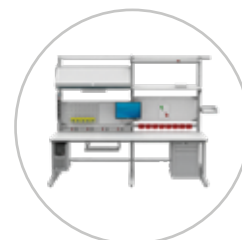
Pro Series



Scitec Series



Link System



Flexi System

Storage Systems

Storage that improves
accessibility,
traceability and
workflow



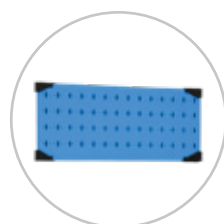
Base
Cabinets



Mobile
Cabinets

Accessories

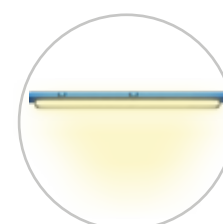
Maximize storage,
visibility and efficiency



Pegboard
panel



Monitor
Arm



Task Light



Worktop



Equipment
Shelf



Bin
Rails



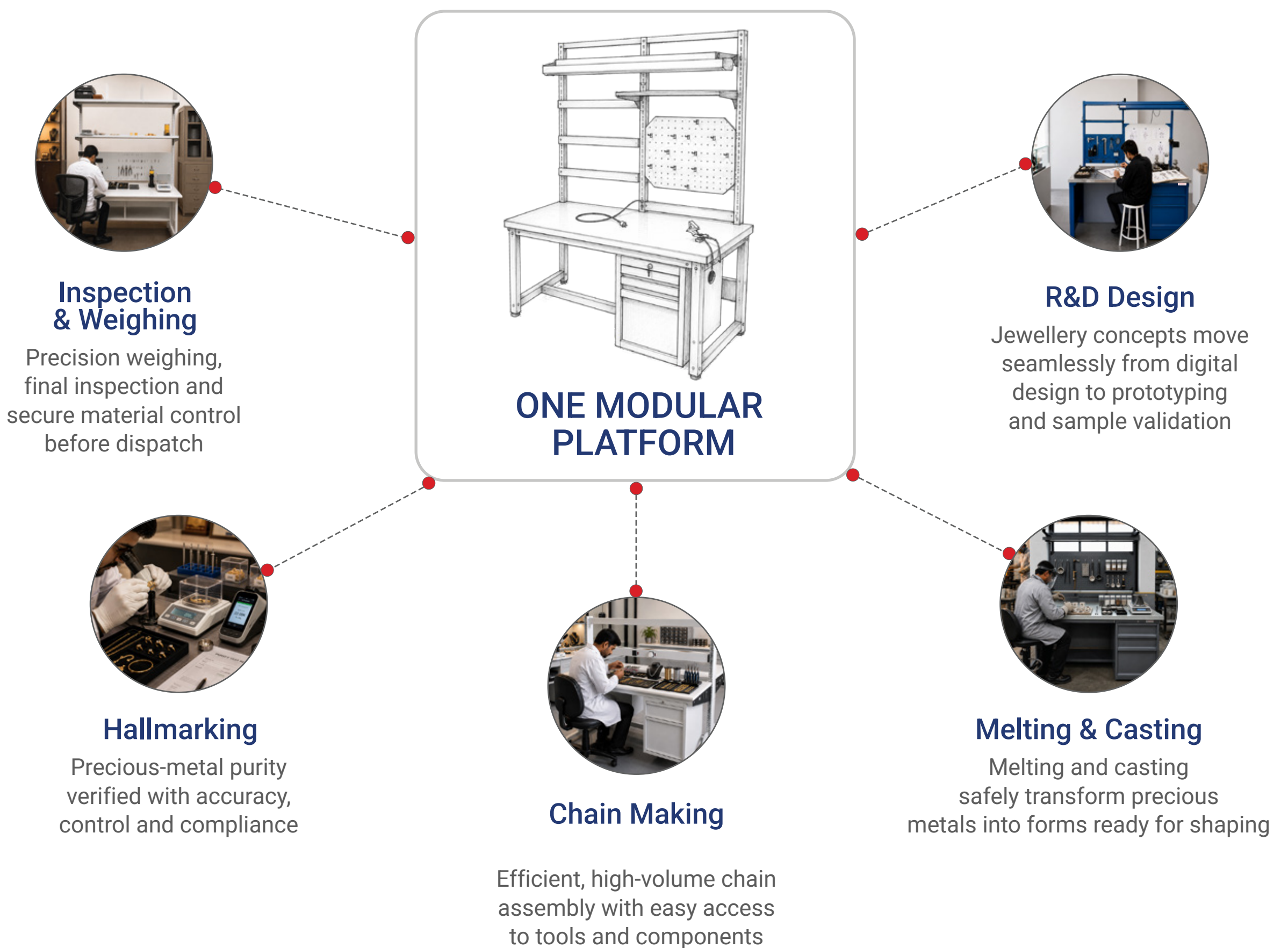
Power
Modules



Link
Uprighter

Configured for Gems & Jewellery Industry's Applications

The same modular system.
Configured specifically for every application



AND MANY MORE SPACES

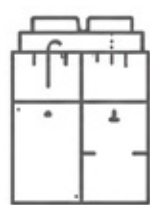
SAME PLATFORM



Built on a consistent modular platform



DIFFERENT CONFIGURATION



Tailored to application and workflow



DIFFERENT WORKFLOW



Optimized to deliver efficiency, safety and performance

GEMS & JEWELLERY WORKSPACE SOLUTIONS

Every process demands a different workspace

From precision design studios to high-heat melting bays, from stone setting to hallmarking and final inspection, Furnisys configures modular workspace systems around the specific requirements of each operation.



APPLICATIONS COVERED

01

R&D Design

02

Melting
& Casting

03

Wire Drawing

04

Tool Room

05

Stone
Setting

06

Chain
Making

07

Manual
Forming

08

Hallmarking

09

Plating

10

Laser
Making

11

Inspection &
Weighing

R&D & Design Studio

WORKSPACE OVERVIEW

The design studio is where jewellery concepts move from sketching and CAD/CAM modelling to wax prototyping and sample validation. The workflow constantly shift between digital design, hand-finishing and small-batch sampling.

WORKSPACE CHALLENGES



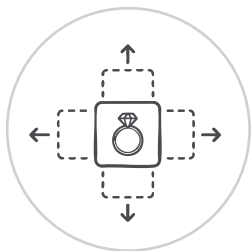
Changing Work Modes

Designers move frequently between digital and hand-work activities.



Workspace Clutter

Samples, tools and reference materials can quickly occupy valuable work surface.



Limited Flexibility

Fixed furniture forces designers to adapt their workflow around the workstation.



Sample Organisation

Prototypes and reference designs need accessible, organised storage.

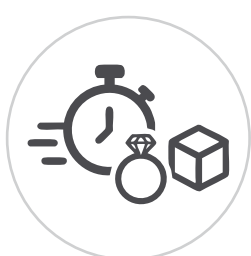
RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Modular & reconfigurable workstations
- Mixed digital and hand-work surfaces
- Task lighting for focused work
- Integrated cable management
- Mobile storage for samples and designs

OPERATIONAL OUTCOME



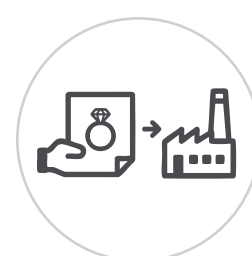
Faster
prototyping



Organised
design workflow



Protected
sample integrity



Smoother
design-to-production
handoff

Melting, Casting & Powder Handling

WORKSPACE OVERVIEW

Melting and casting transform gold, silver and alloy stock into ingots or rough forms before shaping. This is a high-heat, high-value environment where molten metal and powder must be handled with controlled containment and minimal loss.

WORKSPACE CHALLENGES



Heat & Impact

Surfaces must withstand demanding high-temperature handling.



Fumes & Particulates

The workspace requires appropriate containment and ventilation.



Material Loss

Powder and scrap require controlled recovery.



Material Accountability

Precious-metal movement must remain traceable.

RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Heat- and chemical-resistant worktops
- GI, SS cladding and HPL worktop
- Ventilated workstation zones
- Segregated powder and scrap storage

OPERATIONAL OUTCOME



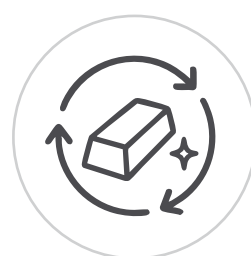
Safer working environment



Better process containment



Improved fume control



More reliable precious-metal recovery

Wire Drawing & Metal Forming

WORKSPACE OVERVIEW

Wire drawing reduces cast metal into fine wire through progressive dies, feeding chain-making and other downstream processes. The work is repetitive and physically demanding, requiring stable work surfaces and consistent die alignment.

WORKSPACE CHALLENGES



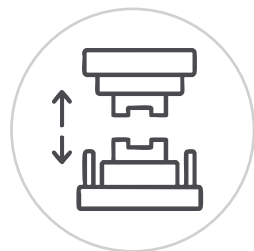
Vibration

Unstable benches can affect draw consistency.



Operator Strain

Repetitive work demands ergonomic support.



Die Changeovers

Poorly organised die storage slows process changes.



Load Handling

Work surfaces must withstand metal-forming loads.

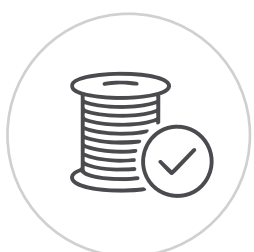
RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Stable, load-rated workstations
- GI-cladded worktops
- Integrated die and tool storage
- Footrests
- Mobile die storage

OPERATIONAL OUTCOME



Consistent
draw quality



Faster die
changeovers



Reduced
operator strain



Organised
tooling

Tool Room & Die Mould Making

WORKSPACE OVERVIEW

Tool rooms fabricate and maintain the dies, moulds and jigs that support downstream production. Precision and tool availability directly influence production continuity.

WORKSPACE CHALLENGES



Tool Organisation

Small precision tools can be difficult to locate.



Die Identification

Poor storage increases the risk of selecting the wrong tooling.



Changeover Delays

Time is lost searching for tools and components.



Production Dependency

Tool-room inefficiencies affect downstream operations.

RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Integrated tool storage
- Pegboards for frequently used tools
- Variable-angle shelving
- Mobile point-of-use storage

OPERATIONAL OUTCOME



Easier tool
identification



Reduced
rework



Faster
changeovers



Organised
tool room

Diamond Cutting & Stone Setting

WORKSPACE OVERVIEW

Diamond cutting, faceting and stone-setting require exceptional surface stability and focused lighting. Even minor movement can affect precision and increase the risk of losing small, high-value stones.

WORKSPACE CHALLENGES



Surface Stability

Precision cutting requires a rigid work platform.



Task Lighting

Detailed work requires focused illumination.



Stone Security

Small stones must remain contained and controlled.



Material Loss

A misplaced gemstone represents direct material loss.

RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Vibration-resistant workstations
- Postform laminated worktops
- Focused task lighting
- Tray and bin systems

OPERATIONAL OUTCOME



Stable precision workspace



Better lighting



Reduced stone-loss risk



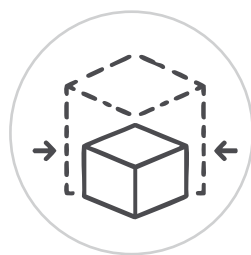
Improved cutting consistency

Chain Making & Assembly

WORKSPACE OVERVIEW

Chain-making involves linking, soldering and assembling fine components into finished chains. These are high-volume, repetitive processes where space efficiency and easy tool access are critical.

WORKSPACE CHALLENGES



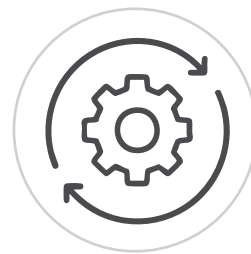
Limited Space

Chain-making stations often operate within tight production footprints.



Tool Accessibility

Fine tools and soldering equipment need to remain within reach.



Repetitive Work

Extended seated work requires ergonomic support.



Workspace Clutter

Bulky furniture can obstruct the operator's movement.

RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Compact workstations
- Hanging tool drawers
- Instrument riser shelving
- Integrated power support

OPERATIONAL OUTCOME



Space-efficient workstation



Tools within easy reach



Reduced workspace congestion



Better operator comfort

Hammering & Manual Forming Bay

WORKSPACE OVERVIEW

Hammering and mould-based forming shape metal through manual, high-impact processes. These operations place continuous stress on the work surface and require a stable working platform.

WORKSPACE CHALLENGES



Impact Loading

Repeated hammering can quickly degrade unsuitable worktops.



Vibration

Unstable surfaces transfer vibration to the operator.



Operator Fatigue

Extended high-impact work requires ergonomic support.



Tool Accessibility

Frequently used forming tool need to remain within reach.

RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- GI-cladded impact-resistant worktops
- Integrated tool and mould storage
- Footrests
- Uprighter-mounted pegboards and shelving
- Mobile tool storage

OPERATIONAL OUTCOME



Durable
forming station



Better impact
resistance



Reduced
operator strain



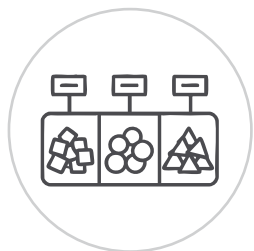
Organised
tool access

Hallmarking & Purity Certification

WORKSPACE OVERVIEW

Hallmarking is a critical compliance check point where precious-metal purity is verified and stamped. Accuracy, sample control and documentation are as important as the physical certification process.

WORKSPACE CHALLENGES



Sample Segregation

Mixed samples create a risk of identification errors.



Controlled Surfaces

Defined work zones help prevent material mix-ups.



Secure Storage

Pending and completed stock requires controlled storage.



Documentation

Records must remain organised and traceable.

RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Stable workstations
- Segregated sample storage
- Defined surface zoning
- Documentation storage

OPERATIONAL OUTCOME



Controlled
certification
workspace



Reduced
sample mix-ups



Secure material
handling



Audit-ready
documentation

Plating & Surface Finishing

WORKSPACE OVERVIEW

Plating and surface-treatment processes use chemical baths and solutions to apply finish coatings. These wet processes require containment, ventilation and physical separation from dry precision work.

WORKSPACE CHALLENGES



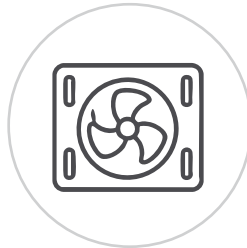
Chemical Exposure

Ordinary surfaces can deteriorate quickly.



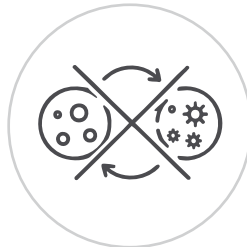
Wet Process Containment

Plating operations require controlled work areas.



Ventilation

Chemical handling requires appropriate ventilation.



Cross-Contamination

Wet processes must remain separated from dry finishing areas.

RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Wooden worktop with SS cladding, HPL worktop
- Segregated storage for plating solutions and consumables
- Ventilated shelving

OPERATIONAL OUTCOME



Better process containment



Reduced chemical exposure risk



Cleaner wet/dry segregation



Safer finishing environment

Tumbling, Polishing & Laser Marking

WORKSPACE OVERVIEW

Tumbling and polishing refine surface finishes, while laser marking adds identification and branding details. Both are late-stage processes where surface quality and precision are critical.

WORKSPACE CHALLENGES



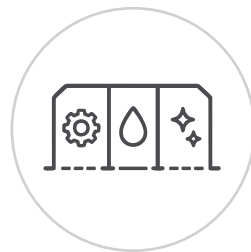
Dust & Debris

Fine debris from polishing can affect adjacent precision work.



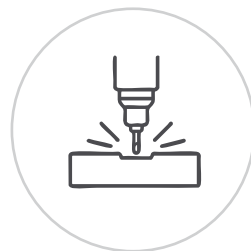
Vibration

Tumbling equipment can introduce vibration into the workspace.



Process Zoning

Laser marking benefits from separation from dusty processes.



Precision Finishing

Operators need stable, organised workspaces for detailed finishing.

RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Postform laminated worktops
- Rear-mounted pegboards
- Instrument riser shelving
- Laser equipment support

OPERATIONAL OUTCOME



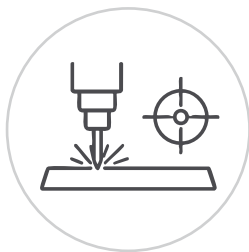
Organised finishing area



Better process separation



Consistent surface quality



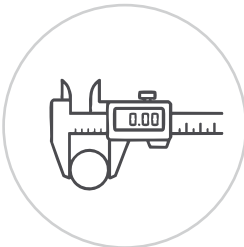
Accurate marking

Weighing, Quality Inspection & Secure Tool Crib

WORKSPACE OVERVIEW

This zone combines precision weighing, final inspection and secure storage of tools, consumables and in-process precious metal. It is the final control point before material moves on or off the production floor.

WORKSPACE CHALLENGES



Measurement Accuracy

Weighing instruments require stable, controlled surfaces.



Tool Segregation

Calibrated instruments should remain separate from general tools.



Material Accountability

Every movement of precious metal requires disciplined control.



Secure Storage

Tools, consumables and work-in-process material require controlled access.

RECOMMENDED WORKSPACE CONFIGURATION



WHAT WE CAN PROVIDE

- Stable precision workstations
- Drawer-based tool storage
- Mobile point-of-use storage

OPERATIONAL OUTCOME



Accurate weighing



Secure material handling

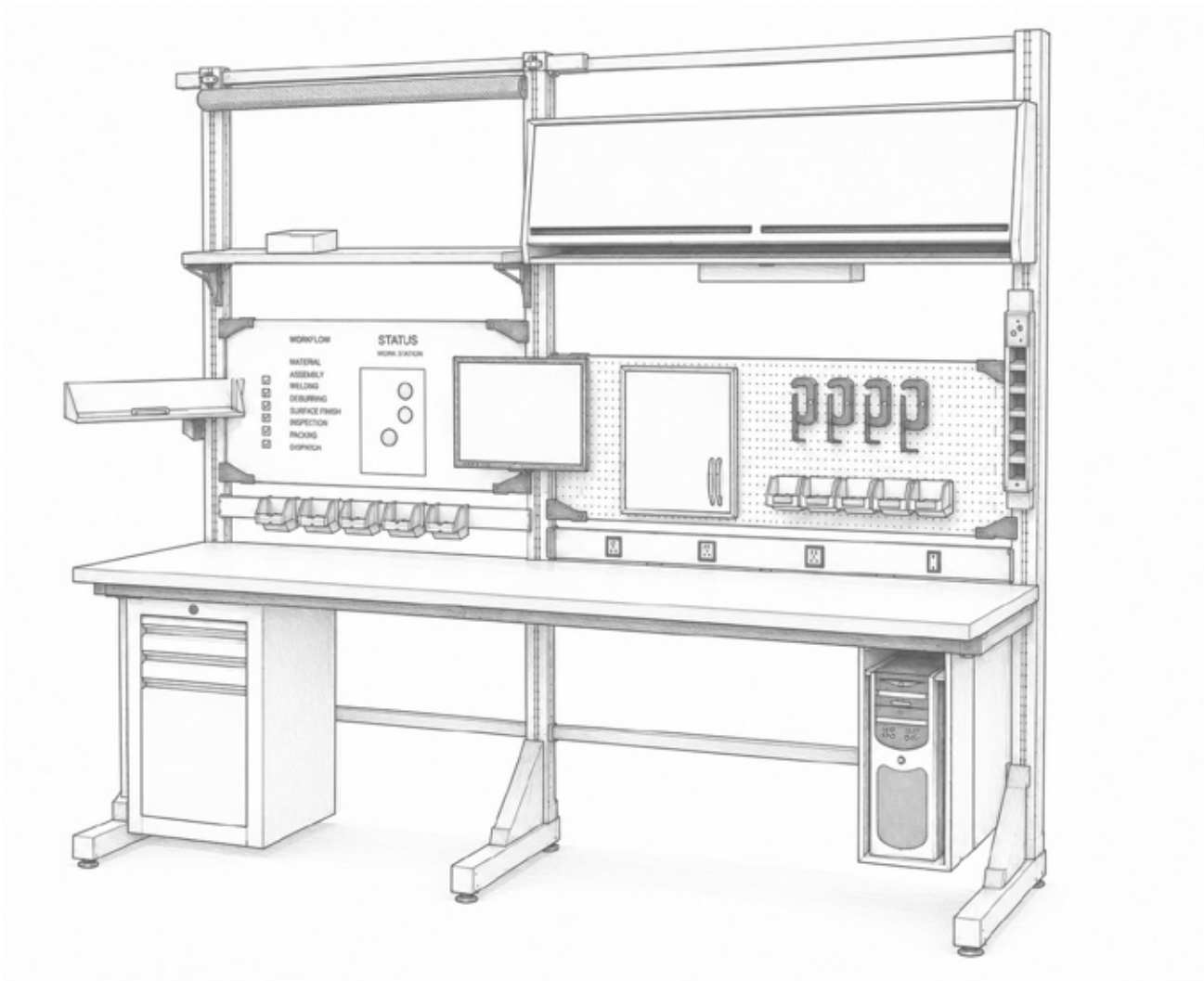


Better tool accountability



Audit-ready inspection

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

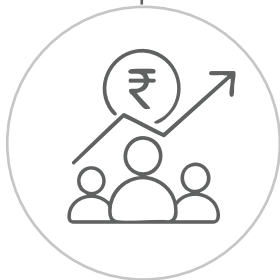


Development

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.

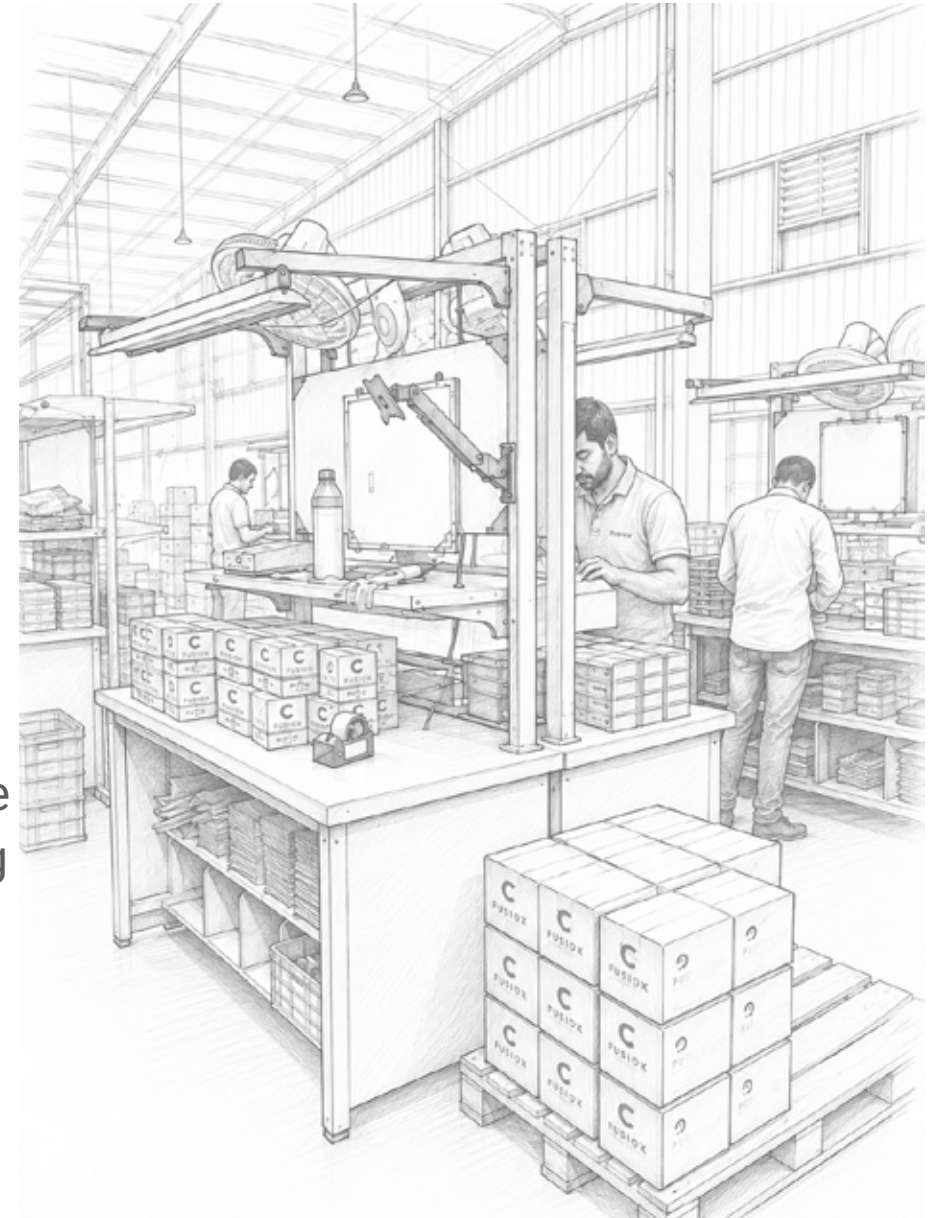
- Order Planning
- Quality Assurance
- Timely Dispatch

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



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