



MANUAL VISUAL INSPECTION BOOTHS

Scarab™ Manual Visual Inspection Booths power flawless quality control with industry-leading lighting and ergonomic design. Built tough for precision, reliability and comfort, our booths create the perfect environment to catch every defect, ensuring your products always meet the highest standards.



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MANUAL VISUAL INSPECTION BOOTHS

An Essential Quality Control Solution

Manual visual inspection booths are specially designed workstations that provide a controlled environment for operators to conduct detailed visual inspections of products or components. These booths are engineered to optimise lighting, ergonomics and workspace layout, enabling inspectors to identify defects, inconsistencies or quality issues efficiently and accurately. By isolating the inspection area from external distractions and ambient lighting variations, manual inspection booths help maintain consistent inspection standards across production lines.

Manual inspection booths are widely used across various industries such as automotive, manufacturing, pharmaceuticals and electronics, where precise colour matching, flaw detection and quality assurance is critical to product success and safety.



At Scarab DFM, we specialise in designing and manufacturing high-quality manual inspection booths tailored to meet the unique needs of diverse industries. Our booths incorporate advanced lighting systems with customisable lux levels, ergonomic features for operator comfort, and durable construction to withstand demanding factory environments. With a focus on precision and reliability, Scarab™ manual visual inspection booths support companies in achieving stringent quality control benchmarks, ensuring that only the best products reach their customers.

In summary, manual visual inspection booths are indispensable tools for businesses committed to maintaining high quality standards. They provide a dedicated, optimised environment that empowers inspectors to perform thorough visual checks, ensuring products meet the highest quality standards before reaching customers.



SCARAB™ EAGLE RANGE

Precision, Quality and Control — Redefined

The Scarab™ Eagle Manual Visual Inspection Booth sets the gold standard for manual visual inspection. It delivers unmatched quality and cutting-edge technology. Crafted from premium 304-grade stainless steel, the Scarab™ Eagle Booth features an antimicrobial, non-glare, powder-coated working surface for exceptional hygiene and operator comfort. With flicker-free lux level settings ranging from 300 to 10 000 Lux and six pre-programmable light “scenes,” inspectors can achieve perfect illumination for diverse product requirements. An opaque diffuser ensures even light distribution, while interchangeable white and black contrast plates allow for flawless product examination under optimal conditions.

Smart Functionality for Maximum Efficiency

Every Scarab™ Eagle Booth is built to make inspection faster, easier, and more consistent. Integrated features include a programmable work / rest timer, a lockout function for security and automatic alerts for component failure recognition. All controls — from lux adjustments to operational settings — are centralised for intuitive operation and real-time monitoring. Powered by a standard 3-pin single-phase 16A surge-protected plug, the Scarab™ Eagle delivers performance with convenience, making it ideal for both standalone and integrated inspection workflows.

Fully Compatible - Fully Validated - Fully Reliable

Designed for total compatibility with the Scarab™ Talon Core lighting management and data logging systems, the Scarab™ Eagle offers complete control and traceability of your inspection environment. Each booth is supplied with a full validation pack — including URS, RA, IA, IQ and OQ — ensuring compliance from installation through to operation. Whether for pharmaceutical, medical device or precision manufacturing applications, the Scarab™ Eagle is the ultimate solution for organisations that demand accuracy, consistency and uncompromising quality.



SCARAB™ FALCON RANGE

Reliable Performance with Advanced Visual Inspection

The Scarab™ Falcon Manual Inspection Booth offers outstanding manual inspection capabilities with the same durable 304-grade stainless steel construction and hygienic antimicrobial, non-glare, powder-coated working surface. With flicker-free lux settings adjustable from 300 to 10 000 Lux and six programmable light scenes, the Scarab™ Falcon delivers versatile illumination tailored for a variety of inspection needs. An opaque diffuser ensures uniform light distribution and interchangeable white and black contrast plates provide optimal product visibility.

Streamlined Features for Consistent Results

Designed with ease of use in mind, the Scarab™ Falcon Manual Inspection Booth features centralised control of lux levels and booth operation for dependable and straightforward inspection conditions. While it does not include integrated timers or component failure alerts, its intuitive interface maintains consistent lighting to support accurate inspections. Powered by a standard 3-pin single-phase 16A surge-protected plug, the Scarab™ Falcon is simple to install and operate within your existing inspection workflow.

Quality You Can Trust

The Scarab™ Falcon Manual Inspection Booth meets the highest standards for reliability and precision. Each unit is supplied with a full validation pack including URS, RA, IA, IQ and OQ, ensuring regulatory compliance and confidence in performance. Ideal for pharmaceutical, medical device and precision manufacturing environments, the Scarab™ Falcon Manual Inspection Booth is a dependable choice for manual visual inspections requiring consistent quality and durability.

SCARAB™ BUZZARD RANGE

The Scarab™ Buzzard Manual Inspection Booth offers superior flexibility and control for demanding inspection tasks. Manufactured from durable 304-grade stainless steel with an antimicrobial, non-glare, powder-coated working surface, it ensures a hygienic and comfortable environment. The Scarab™ Buzzard features 4 fully customisable lux level lighting settings, adjustable up to a maximum of 10 000 Lux, enabling precise illumination tailored to a wide range of products. Its LED flicker-free lighting with opaque diffuser guarantee even light distribution, while white and black contrast plates enhance visual accuracy.

Designed for security and ease of use, the Scarab™ Buzzard is powered by a standard 3-pin single-phase 16A surge-protected plug and includes a lockout function to prevent unauthorised operation. Centralised lighting controls make it simple to maintain and create consistent inspection conditions. As the most versatile in its category, the Scarab™ Buzzard is ideal for businesses seeking a reliable and high-performance manual inspection booth without stepping into the premium range.

SCARAB™ KESTREL RANGE

The Scarab™ Kestrel Manual Inspection Booth combines practical design with enhanced lighting adaptability. Constructed from robust 304-grade stainless steel with an antimicrobial, non-glare, powder-coated surface, it provides a clean and ergonomic workspace. Featuring three fully customisable lux level lighting settings adjustable up to 6 000 Lux, the Scarab™ Kestrel delivers precise lighting control for various inspection applications. The LED flicker-free lights with an opaque diffuser offer uniform illumination and are supported by interchangeable white and black contrast plates for perfect product visibility.

This model operates via a standard 3-pin single-phase 16A surge-protected plug and incorporates a lockout feature for security. Its centralised control system ensures easy operation and consistent lighting quality. The Scarab™ Kestrel is an excellent mid-range option for companies that require a balance of advanced lighting customisation and dependable inspection performance.





SCARAB™ HAWK RANGE

The Scarab™ Hawk Manual Inspection Booth is designed to provide reliable performance with adaptable lighting options. Crafted from sturdy 304-grade stainless steel and finished with an antimicrobial, non-glare, powder-coated working surface, it supports a hygienic inspection environment. The Scarab™ Hawk offers two fully customisable lux level lighting settings, adjustable up to 3 500 Lux, providing operators with flexibility for diverse inspection needs. LED flicker-free lighting combined with an opaque diffuser ensures even light distribution, complemented by white and black contrast plates for detailed product examination.

Powered by a standard 3-pin single-phase 16A surge-protected plug and equipped with a lockout function for security, the Scarab™ Hawk delivers straightforward and secure operation. Centralised lighting controls enable consistent inspection conditions, making it a cost-effective choice for businesses that need reliable manual inspection booths with essential features.

SCARAB™ HOBBY RANGE

The Scarab™ Hobby Manual Inspection Booth offers a simple yet effective solution for manual visual inspection. Built from durable 304-grade stainless steel and featuring an antimicrobial, non-glare, powder-coated working surface, it ensures a clean and comfortable workspace. The Hobby is equipped with one fully customisable lux level lighting setting, adjustable up to 2 500 Lux, providing sufficient illumination for basic inspection tasks. Its LED flicker-free lighting and opaque diffuser guarantee uniform light distribution, while the white and black contrast plates allow for improved product visibility.

This booth operates with a standard 3-pin single-phase 16A surge-protected plug and includes a lockout function for added security. With straightforward centralised controls, the Scarab™ Hobby offers dependable, easy-to-use lighting conditions ideal for businesses looking for an entry-level manual inspection booth that maintains quality without added complexity.





SCARAB™

BOOTH HEIGHTS

Elevate

Elevate – The Future of Your Workspace

Transform the way you work with *Elevate*, our fully electronic height-adjustable legs designed for effortless adaptability. With the touch of a button, smoothly transition between sitting and standing positions to boost comfort, improve posture, and enhance productivity throughout the day. Built with precision engineering and a sleek, modern design, *Elevate* combines strength, stability, and whisper-quiet operation. Take your work to new heights - literally.

Precision

Precision – Perfectly Balanced for Everyday Comfort

Experience stability and ergonomic excellence with *Precision*, our fixed-height seated desk legs engineered for lasting comfort and support. Designed to meet ergonomic standards, *Precision* ensures optimal working posture for long hours at your desk. Fully independent foot adjusters allow for micro-leveling on any floor surface, guaranteeing a perfectly flat and stable workspace at all times. Strong, sleek, and built to last, *Precision* is the dependable foundation for your productivity.

Adapt

Adapt – Flexible Work, Anywhere

Bring ergonomic comfort to any surface with *Adapt*, our versatile countertop desk solution. Designed to sit securely on most existing work surfaces, *Adapt* is ideal for mobile or dynamic work environments where flexibility is key. Its reinforced structure prevents flexing or damage during movement, ensuring a stable, reliable workspace wherever you need it. Lightweight yet durable, *Adapt* moves with you - making every space your perfect place for inspection.





SCARAB™

BOOTH SIZES

1600

1600 – Spacious Comfort for Maximum Productivity

With booth dimensions of 1,600 mm × 600 mm × 900 mm, the 1600 model offers an expansive 9,600 cm² workable surface area—perfect for high-output environments. Approved by occupational therapists for optimal ergonomic positioning, it ensures operator comfort during extended use. A removable pleather-foam armrest provides both support and efficiency, while radiused front edges add an extra layer of comfort. Equipped with 6 reject trays and 2 convenient file holders, the 1600 is built for streamlined workflow, organisation, and superior operator well-being.

1200

1200 – Balanced Size, Exceptional Efficiency

With booth dimensions of 1,200 mm × 600 mm × 900 mm, the 1200 model provides a generous 7,200 cm² workable surface area—ideal for medium-volume workspaces. Approved by occupational therapists for optimal ergonomic positioning, it promotes comfort and efficiency throughout the day. A removable pleather-foam armrest supports the operator's posture, while radiused front edges enhance comfort during repetitive tasks. Equipped with 6 reject trays, the 1200 delivers a well-balanced blend of space, functionality, and operator well-being.

600

600 – Compact Power for Focused Tasks

With booth dimensions of 600 mm × 600 mm × 900 mm, the 600 model offers a practical 2,400 cm² workable surface area—perfect for smaller workspaces, mobile setups or specialised tasks. Despite its compact size, it delivers the same quality and craftsmanship as the larger models in the range. The 600 provides comfort and efficiency in a space-saving footprint, making it the ideal choice where every centimetre counts.



SCARAB™ TALON CORE

Precision Lighting & Data Management, Perfectly Integrated

Talon Core by Scarab™ is the ultimate lighting management and data tracking solution for inspection environments where precision, compliance and efficiency are non-negotiable. Built for industries that demand rigorous quality control, Talon Core delivers total control over your inspection lighting — from adjustable lux levels to consistent, repeatable settings — ensuring optimal visibility for every product, every time. Its intuitive interface makes real-time adjustments effortless, while comprehensive logging captures every lighting change for full traceability.

Compliance Without Compromise

Designed to meet global regulatory requirements, Talon Core is fully compliant with **21 CFR Part 11** and **EU Annex 11**, providing secure, validated electronic records and audit trails that meet the highest standards in pharmaceutical, medical device, and high-spec manufacturing environments. With robust access control, digital signatures, and encrypted data storage, Talon Core ensures that your inspection processes stand up to any audit with confidence.

Lighting Intelligence Meets Data Insight

Beyond control, Talon Core empowers you with actionable insights. Every lighting event, operator action, and system change is automatically recorded and can be exported for analysis or integration into your wider quality management systems. This makes it possible to identify trends, optimise processes, and enhance both operator performance and product quality. Whether you are standardising inspection protocols across a single site or multiple global facilities, Talon Core delivers the reliability and precision your business needs.





LED LIGHTING

- LED flicker-free lighting.
- 4 rows of 2 LED strips, independently adjustable of each other, used through an opaque diffuser for optimal light distribution.
- Fully customisable lux level settings from 300 to 10 000 Lux.

SORTING TRAYS

6 “bins” for easy sorting and efficient workflow.

INSPECTION PANELS

Black/white non-glare background for perfect contrast.

INTEGRATED TIMER

Customised enforceable work and rest periods.

FILE HOLDERS

Built-in file holders for easy record keeping.

SECURITY

Manual lock-out function for added security.

SCENE SETTINGS

6 pre-programmable light level “scenes” for ease of inspection diversity.

UNMATCHED QUALITY

304 Grade stainless steel structure.

FEET

Adjustable feet for precise levelling.

COMFORT

Removable pleather arm rest for added user comfort.

DIMENSIONS

1,694mm x 540mm
x 1,741mm (L x D x H)

WORK SURFACE

Antimicrobial non-glare powder-coated work surface.



**TALON
CORE**
Compatible

SCARAB DFM THE COMPANY



Gareth Easom
Managing Director



Andrew Cilliers
Technical Director

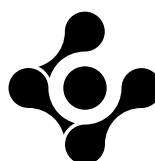
Scarab DFM (Pty) Ltd is a proudly South African company specialising in the design and manufacture of precision-engineered manual visual inspection booths and metal fabrication solutions. With a reputation for quality craftsmanship and innovative engineering, we serve a diverse range of industries — from pharmaceutical and medical device manufacturing to food and beverage production — helping clients maintain world-class quality standards.

Driven by a passion for excellence, Scarab DFM combines advanced design capabilities with local manufacturing expertise to deliver customised solutions that meet exact client specifications. From concept to completion, we deliver equipment built for accuracy, efficiency and operator comfort. Our customised solutions empower businesses to streamline workflows, meet strict compliance requirements, and achieve consistent inspection excellence.

PROVEN TRACK RECORD



VITRO
TECHNOLOGY



Calibre
Life Science



Afrigen
Biologics & Vaccines



BIOVAC
science of protecting life



aspen
PHARMACARE



MANUAL VISUAL INSPECTION BOOTHS

SPECIFICATIONS



| Inspection Features | Eagle | Falcon | Buzzard | Kestrel | Hawk | Hobby |
|---|-------|--------|---------|---------|------|-------|
| 304 Grade Stainless Steel | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Anti-Microbial Non-Glare Powder-Coated Working Surface | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Standard 3-Pin Single Phase 16A Surge-Protected Plug | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Lock-Out Function | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Opaque Diffuser | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| LED Flicker-free Lighting | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| White Contrast Plate and Inspection Area | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Black Contrast Plate and Inspection Area | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 1 Lux Level Lighting Setting (Max 2,500 Lux) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 Lux Level Lighting Settings (Max 3,500 Lux) | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ |
| 3 Lux Level Lighting Settings (Max 6,000 Lux) | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ |
| 4 Lux Level Lighting Settings (Max 10,000 Lux) | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ |
| 6 Pre-Programmable Light Level "Scenes" | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ |
| Fully Customisable Lux Level Settings (300 to 10,000 Lux) | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ |
| Centralised Control of Lux Levels and Booth Operation | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ |
| Integrated Timer | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ |
| Validation Data Pack Compatible (URS, RA, IA and, IQ, OQ) | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ |
| Compatible with Scarab™ Talon Core | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ |
| Full Scarab™ Talon Core Control System Data Logging | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ |
| Component Failure Recognition Alerts | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ |





MANUAL VISUAL INSPECTION BOOTHS

SPECIFICATIONS



| Inspection Features | 1600 | 1200 | 600 |
|--|-----------------------|-----------------------|-----------------------|
| Booth Dimensions (mm) | 1,600 x 600 x 900 | 1,200 x 600 x 900 | 600 x 400 x 900 |
| Workable Surface Area (cm ²) | 9,600 cm ² | 7,200 cm ² | 2,400 cm ² |
| Occupational Therapist Approved Ergonomic Position | ✓ | ✓ | ✗ |
| Removable Pleather Foam Armrest | ✓ | ✗ | ✗ |
| Radiused Front Edges | ✓ | ✓ | ✗ |
| Number of Reject Trays | 6 | 6 | 0 |
| File Holders | 2 | 0 | 0 |

| Elevate | Precision | Adapt |
|--|--|---------------------------------|
| Occupational Therapist Approved Ergonomics | Occupational Therapist Approved Height | Space Saving |
| Reduced Fatigue & Increased Comfort | Precise Levelling | Easily Movable |
| Fully Adjustable Working Height | Set Working Height | Height of Existing Work Surface |
| Electronically Motorised Frame | 304 Grade Stainless Steel Legs | Reinforced Base Structure |









MANUAL VISUAL INSPECTION BOOTHS

GALLERY





**TALON
CORE**


 **Log Off**


 **Login Details**
Access Level: 9999 Name: Heine Vorster - QTech
Domain: ArchestraA User Name: heine


AREA 01 **EVENTS**


**IB01**


**IB02**


**IB03**


**IB04**


**IB05**


**IB06**


**IB07**


**IB08**


**IB09**


**IB10**


**IB11**


**IB12**


**IB13**


**IB14**


**IB15**

**IB16**

**IB17**

**IB18**

**IB19**

**IB20**

SCENE (%)

SETUP ACTIVE

CURRENT (%)

SETUP **RUN**

TIMERS
SETPOINT
ON SetPoint:
OFF SetPoint:

CURRENT
ON SetPoint:
OFF SetPoint:

| TimeLCT | Class | Priority | Name | Group | Value | Limit | OperatorFullName | AlarmComment |
|--------------------|-------|----------|-------------------------------|---------------|------------|-------|-----------------------|-----------------|
| 2025-09-10 02:4... | EVENT | 999 | InspectionBenchA1.RunFlag | Test_Area | 0.00000000 | false | Heine Vorster - QTech | Write success - |
| 2025-09-10 02:4... | EVENT | 999 | InspectionBenchA1.RunFlag | Test_Area | 1.00000000 | false | Heine Vorster - QTech | Write success - |
| 2025-09-10 02:4... | EVENT | 999 | InspectionBenchA1.SetupFlag | Test_Area | 0.00000000 | false | Heine Vorster - QTech | Write success - |
| 2025-09-10 03:0... | DSC | 500 | InspectionBench_OPC.IB01.I... | Inspection... | false | true | | The OPCClient |



SEE CLEARLY. INSPECT CONFIDENTLY.



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