



V R BELLOWS

(formerly Anant Leather Works)

MANUFACTURER & SUPPLIER
Since 1972

V R BELLOWS

About the Company:

With a legacy dating back to 1972, **V R Bellows** is a leading manufacturer of high-performance industrial bellows.

Originally founded as **Anant Leather Works**, the company has since rebranded and grown into a specialized provider

of **thermal welded bellows**—renowned for their durability and application-specific design.

Industries Served:

We cater to a broad spectrum of **manufacturing industries**, offering tailor-made solutions to protect equipment and improve operational life in demanding environments.

Our Capabilities & Team:

Our strength lies in our technically skilled workforce and continuous focus on quality. With advanced production techniques and decades of hands-on experience, we deliver reliable, custom-engineered bellows that meet our clients' exact specifications.

Vision Statement:

We aim to **grow consistently** by innovating, delivering quality products, and building long-term customer relationships through technical excellence and integrity.

Year of Establishment - 1972

QUALITY POLICY

At **V R Bellows**, quality is at the core of everything we do. We are committed to:

- Delivering products that meet or exceed customer expectations
- Using high-grade materials and modern manufacturing techniques
- Maintaining strict quality control at every stage of production
- Ensuring timely delivery and responsive customer support
- Continuously improving our processes, products, and team capabilities

We aim to build lasting trust through consistent performance, technical strength, and attention to detail.

Compliance to the legal and regulatory requirements applicable to our products

QUALITY OUR COMMITMENT

To achieve highest level of Customer satisfaction through continuous improvement in our products and service.

Implementing past learning's to minimize rejections during manufacturing.

Identify necessary and avoidable cost

Set targets to reduce avoidable costs

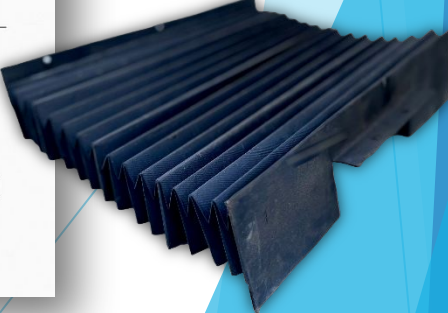
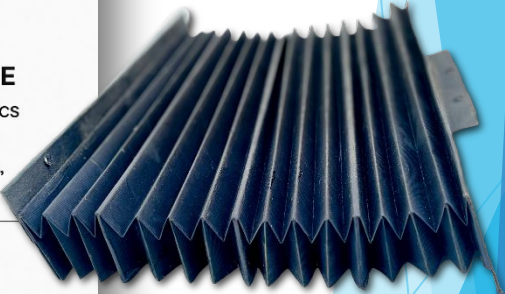
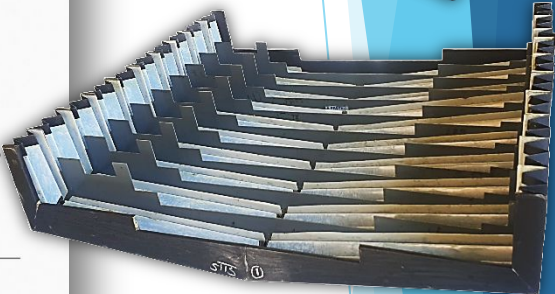
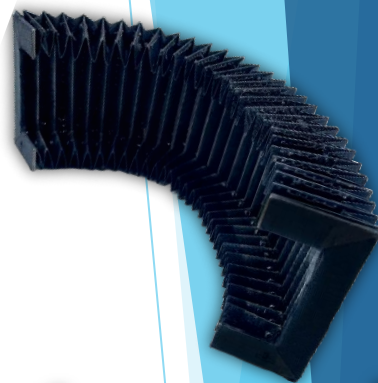
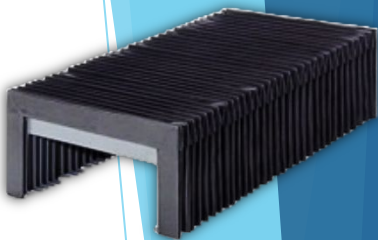
Customer oriented procedure for undertaking business

Development process starts immediately on approval of quotation.

BELLOW COVERS

Bellows are flexible, expandable components designed to provide protection and compensation in mechanical systems. They are used to **cover moving parts**, **absorb vibration**, **compensate for misalignment** or **thermal expansion**, and **prevent dust, coolant, or debris** from entering machinery.

Bellows are commonly used in **machine tools**, **automation equipment**, **hydraulic systems**, and **industrial machinery**, ensuring smooth and safe operation by extending the life of key components.



PROPERTIES OF BELLOWS



FLEXIBILITY

Bellows can expand, contract, and bend to accommodate axial, lateral, and angular movements without damage.



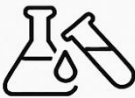
THERMAL RESISTANCE

Specially constructed bellows (e.g., thermal welded types) can withstand high temperatures.



DURABILITY

Made from high-grade materials, bellows are resistant to wear, abrasion, and harsh working conditions, ensuring long service life.



CHEMICAL RESISTANCE

Bellows made from specific fabrics or coated materials offer resistance to oils, coolants, solvents, and corrosive substances.



VIBRATION DAMPING

Bellows act as cushions that absorb vibration, protecting machinery from misalignment and fatigue.



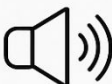
DUST & FLUID PROTECTION

They prevent the entry of dust, metal chips, splatter, coolant, and other contaminants into sensitive machine parts.



CUSTOMIZATION

Available in a wide range of shapes, sizes, and materials to suit different machine configurations and environmental conditions.



NOISE REDUCTION

Bellows help in minimizing operational noise by acting as a barrier and cushion between machine parts.

CYLINDRICAL BELLOWS

Round bellows are flexible protective covers designed to safeguard **hydraulic cylinders, piston rods, and shafts** from dust, oil, moisture, and mechanical damage. Made from durable rubber, fabric, or PU-coated materials, they ensure smooth operation and extend the life of moving components in demanding industrial environments



| Parameter | Details |
|------------------------|---|
| Shape | Round / Cylindrical |
| Material Options | Nylon fabric, Neoprene-coated nylon, PU-coated fabric, Leather, Rubber |
| Stitching Type | Industrial-grade polyester or aramid thread stitching |
| Diameter Range | 25 mm to 600 mm (custom sizes available) |
| Length (Extended) | Up to 2000 mm or as per requirement |
| Compressed Length | Depends on fold count and material |
| Mounting Options | Collar-type, Flange-type, Clamped ends, Velcro straps (optional) |
| Temperature Resistance | -20°C to +120°C (material-dependent) |
| Application | Hydraulic & pneumatic cylinders, piston rods, shafts, spindles, screw jacks |
| Color Options | Black / Grey / Custom on request |
| Protection Level | Dust, oil splash, moisture, mild heat & abrasion |

Rubber Molded Bellows



GUIDED FLAT BELLOWS

Flat bellows are low-profile protective covers designed for applications with **limited vertical space**. Ideal for **linear guides, slideways, and cross-axis covers**, they shield components from dust, debris, and coolant while allowing smooth, compact movement. Commonly used in CNC machines, automation systems, and precision equipment.



Spindle Z axis bellows

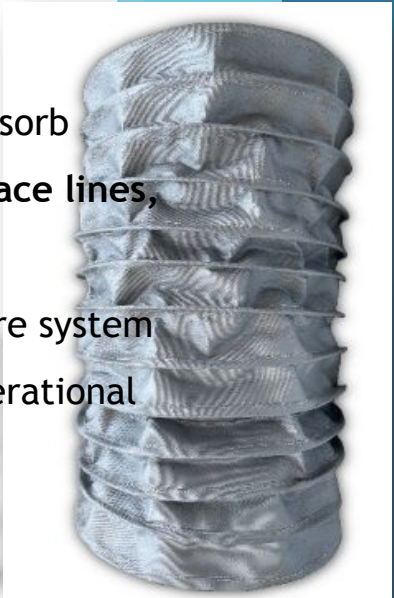
Square bellows are specially designed to protect **Z-axis spindles and machine heads** from dust, coolant, and chips in vertical movement systems. Commonly used in CNC machines, milling machines, and industrial equipment, they ensure smooth motion, longer component life, and reliable performance in demanding environments.



EXPANSTION JOINTS

Expansion joints are flexible connectors designed to absorb thermal expansion, vibration, and movement in furnace lines, ducting systems, and industrial pipelines. Made from high-temperature-resistant fabrics or metal, they ensure system integrity, reduce stress on equipment, and improve operational safety in high-heat and high-pressure environments.

| | |
|-------------|--|
| Length | As per Requirement |
| Color | Red, Silver-Grey Black |
| Material | <ul style="list-style-type: none">• Silicone Coated Glass Fabric• Double coated Nylon• High Silica• Nitrile Insertion (for negative temperature) |
| Temperature | <ul style="list-style-type: none">• Up to 500 Degree Celsius• -70 Degree Celsius |



Temperature Humidity Vibration Combined Test System- Bellow

Specially engineered bellows for combined **temperature, humidity, and vibration test systems** provide flexible sealing and protection under extreme test conditions. They ensure isolation of sensitive components while withstanding thermal fluctuations, moisture, and mechanical stress, making them ideal for environmental simulation equipment

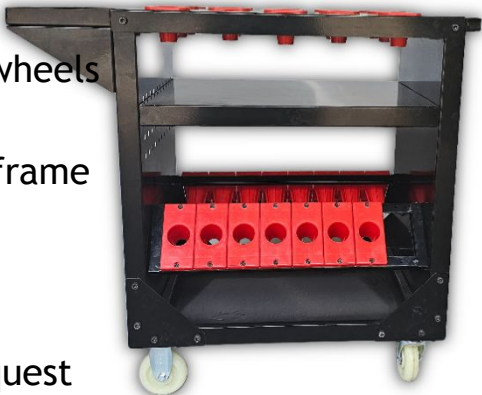
| Machine Name | Temperature Humidity Vibration Combined Test System |
|--------------------|--|
| Color | <ul style="list-style-type: none">• Red, Silver-Grey |
| Material | <ul style="list-style-type: none">• Silicone Coated Glass Fabric |
| Temperature Range- | <ul style="list-style-type: none">• Low temperature: (A:25° C; B:0°C; C:-20°C; D: -40 °C; E: -60°C; F:-70 °C/-75°C)• High temperature:100°C(150°C /200°C) |



TOOL TROLLEY

Our tool trolleys are specially designed for **safe and organized storage of VMC tool holders**. Built with heavy-duty frames and smooth-rolling wheels, they offer easy mobility, quick access, and enhanced workshop efficiency. Available in various capacities, our trolleys ensure secure handling of BT, HSK, or ISO tooling systems.

| Parameter | Details |
|------------------------|--|
| Material | Heavy-duty MS frame with powder coating |
| Tool Holder Types | BT30 / BT40 / BT50 / HSK / ISO (customizable) |
| Tool Holding Capacity | 12 / 24 / 36 / 48 / 60 holders (as per model) |
| Holder Base Material | Nylon / Polyurethane / Rubber-lined steel |
| Shelves / Racks | 1 to 3-tier configurations |
| Mobility | 4 Industrial-grade PU castor wheels (2 with brake) |
| Locking System | Optional tool lock clamps or frame lock |
| Finish | Powder-coated for corrosion resistance |
| Dimensions | Custom sizes available on request |
| Accessories (Optional) | Drawer unit, side handles, tool identification slots |



Telescopic Cover Manufacturing & Service

We specialize in the design and manufacturing of high-quality telescopic covers for CNC and industrial machines. Our covers are custom-built using precision sheet metal, ensuring smooth operation and maximum protection for guideways and critical components.

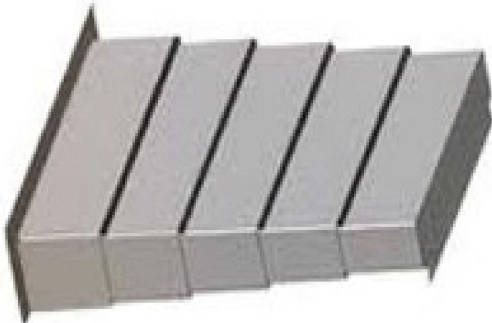
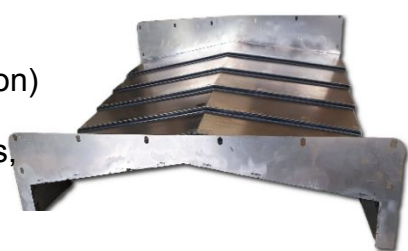
In addition to manufacturing, we offer complete services including:

- Repair and refurbishment of old or damaged covers
- On-site measurement and installation
- Custom retrofitting solutions for existing machines

With durable construction, expert craftsmanship, and responsive service, we ensure long-lasting protection and performance for your equipment.



| Parameter | Details |
|----------------------|---|
| Material | High-grade CRCA / Stainless Steel (SS304 / SS316 optional) |
| Thickness | 1.2 mm to 3 mm (as per application load and design) |
| Number of Boxes | 3 to 7 stages (customizable based on stroke and retraction) |
| Guide System | Nylon / Brass guides, Rollers, or Wipers |
| Mounting Type | Front / Rear / Side Flange or Direct Mounting |
| Movement Type | Horizontal / Vertical / Cross-slide / Inverted |
| Stroke Length | Up to 3000 mm or as per machine requirement |
| Travel Speed | Up to 120 m/min (depending on configuration) |
| Optional Accessories | Wipers, Damper pads, Rollers, Oil Scrapers, Chip deflectors |



APPARON COVERS

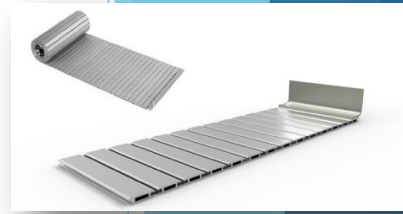
Aluminum Apron Covers – Durable Protection for Linear Motion Systems

Aluminum Apron Covers are precision-engineered protective covers designed to shield **guideways, ball screws, and machine beds** from dust, chips, coolant, and mechanical damage. These covers are made from **high-strength aluminum strips** that are linked or overlapped to provide **flexible, yet rigid surface protection**.

Their low-profile and robust design make them ideal for **horizontal or vertical installations**, especially where **space is limited**, and where **high-speed or continuous movement** is involved.

Key Features:

- ♦ **Lightweight & Strong:** Made from anodized aluminum strips offering excellent strength-to-weight ratio
- ♦ **Smooth Operation:** Designed for high-speed linear motion with low friction
- ♦ **Space-Saving Design:** Suitable for compact installations with tight tolerances
- ♦ **Coolant & Chip Resistant:** Seals out debris, coolant, and dust for improved machine life



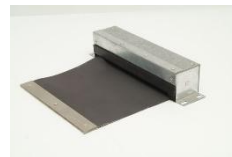
ROLLWAY COVERS

Rollway covers (also known as roll-up covers or roll-type way covers) are compact and flexible protective systems designed to safeguard **linear guideways, screws, and machine beds** from contaminants like dust, chips, and coolant. These covers roll and unroll smoothly on a **spring-loaded or motorized drum**, making them ideal for **limited-space applications** and **high-speed movement**.

Engineered for precision machinery, rollway covers offer **efficient space utilization, minimal friction, and long-lasting protection** in harsh industrial environments.

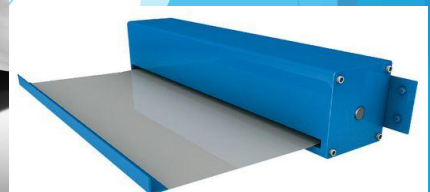
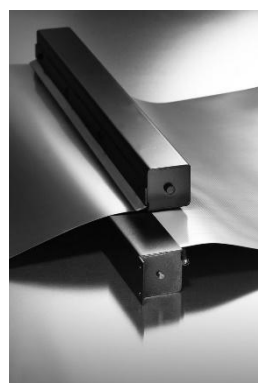
Applications:

- CNC Machines (lathe, milling, grinding)
- Laser and plasma cutting machines
- Automatic tool changers
- Industrial automation equipment
- Measuring and inspection machines



Customization Options:

- **Material choices:** Stainless steel, anodized aluminium, PU-coated fabric, or Kevlar-reinforced fabric
- **Travel length & retraction speed** customized per machine needs
- **Mounting flanges or slide rails** for smooth movement
- Optional **wipers, end caps, and side guides**




OUR ESTEEM CUSTOMERS



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