



AirShirz[®] Pneumatic Scissors

**Increase productivity
through reduced hand stress.**





90% reduction in hand force. Cuts the effort out of hand trimming.

Air Power

Does the Work

Reduce Cutting Force

a light squeeze of the trigger is the only effort required.

Automatic Spring Return

no effort is required to open the blades; just release pressure on the trigger.



Total Control

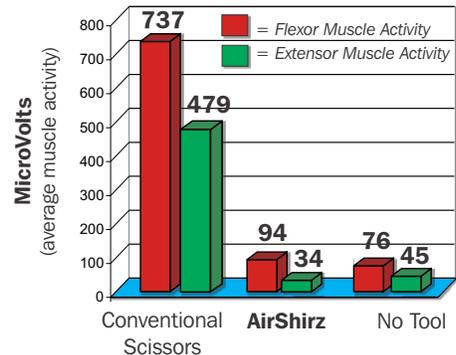
Blade speed and position are fully controllable, like scissors, for precision cutting. AirShirz® cut full length of the blades, without increased force, to reduce cutting repetitions.

Safety latch secures blades when not in use.

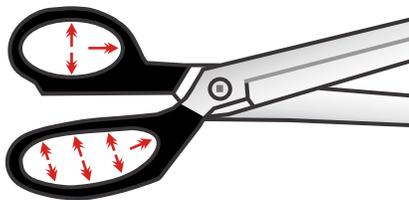
Ergonomically Designed Hand Friendly Air-Assisted Scissors

- Instead of using physical exertion, AirShirz® employs pneumatic power to cleanly cut through difficult materials.
- Muscle fatigue is dramatically reduced, as well as exposure to risk factors associated with Cumulative Trauma Disorders (CTD's) of the hand and forearm.

Muscle Fatigue



Muscle fatigue after using conventional scissors vs. AirShirz®.



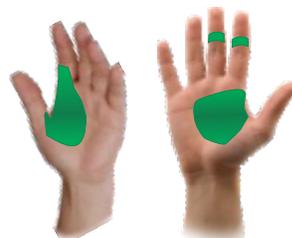
Scissors have more pressure points and require more effort to open and close.



Conventional scissors have a small contact area and require more force to operate.

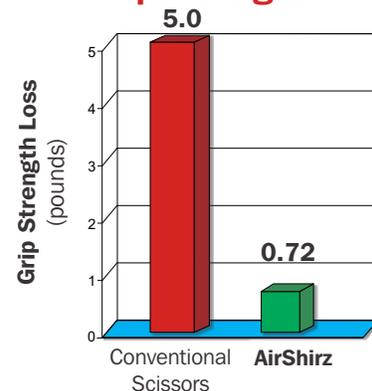


Comfort fit design.



With AirShirz®, increased surface contact spreads force over a larger area for improved operator comfort.

Loss of Grip Strength



The average grip strength lost after 5 minutes of cutting.

AirShirz reduces the force required to operate the tool while increasing the contact area, so overall contact stress is greatly diminished.

Improve Worker Productivity and Safety Reduce risk of injuries, sick leave and employee turnover

AirShirz[®] scissors enhance productivity and improve product appearance through reduced effort and less fatigue. Muscle fatigue is dramatically reduced, as well as exposure to risk factors associated with cumulative trauma disorders of the hand and forearm.

- Lightweight yet powerful, AirShirz[®] accurate cutting, snipping and trimming operations result in less waste.
- Reduce employee turnover for difficult jobs.
- Reduce training costs related to turnover.

Easy to Use

Works Like Scissors

- Because the AirShirz[®] perform like scissors, there is a short learning curve.
- Blade position is *fully controllable* as with conventional scissors.
- Unlike conventional scissors, AirShirz[®] allow the hand to assume a comfortable, neutral position.
- Thumb use is virtually eliminated with the unique ergonomic design.
- Cuts cleanly when using patterns and templates.



With two AirShirz[®] models and 50 standard blade sets we have a cutting solution for your unique and difficult applications. Custom blade development is available.



AirShirz[®] Design Benefits

Cuts the effort out of trimming

- **Reduce Cutting Force** - pneumatic design reduces hand force 90%!
- **Automatic spring-return action** - requires no effort to open blades. Just release pressure on the trigger.
- **Reduce Repetitions** - cuts full length of the blades without increasing force.
- **Lightweight and balanced** - ergonomic design fits comfortably in worker's hand.
- **No special air power requirements** - uses standard 80-120 psi (5-8 bar) plant air, drawing less than .5 cfm (14.1 l/m).
- **Exclusive stainless steel blades** - provide long edge life and corrosion resistance.
- **Interchangeable Blades** - all blade configurations are interchangeable and can be changed in seconds.
- **Remote Air Exhaust** - Dual air hose vents air at hose connection preventing exhaust air from blowing particles.
- **Easy cleaning** - no special cleaning restrictions (submersible, high pressure, hot water and soap are all acceptable).

Benefits for the bottom line

- Significantly increases productivity.
- Proven reduction in force and muscle fatigue ... greatly reduces exposure to key risk factors associated with CTD's.
- Pneumatic design gives the user *total control* over blade position for clean, accurate cutting and a better finished product.
- Rugged and durable design for long service life and easy in-plant maintenance.



Typical Applications



- A. AirShirz® Classic - Kevlar®
- B. AirShirz® Classic - Fiberglass
- C. AirShirz® Magnum - ½" Cured Rubber
- D. AirShirz® Classic w/Kevlar Blade
- E. AirShirz® Magnum w/Rubber Blade

AirShirz® Classic provides maneuverability and control for most composites, vinyl

AirShirz Magnum® with its dual-air cylinder is designed for heavy-duty applications, such

Invest in Edge Management

EdgeKing™ – The Industry’s Only Industrial Scissor Sharpener Sharpen with more precision and consistency in less time

- **Sharp blades** are critical to productivity. No other sharpener delivers faster, more consistent or more accurate performance than the EdgeKing from Bettcher Industries.
- **Time saving** - Exclusive, patented design allows blades to be clamped just once to grind, steel and buff the entire blade edge.
- **Long Wheel Life** - Unique Cubic Boron Nitride coated grinding wheel maintains its uniform shape, ensuring proper blade angle, each and every grinding. Thus, less blade material is removed during sharpening.
- **Increase blade life** - The EdgeKing’s blade guide and clamping system ensures consistent grinding angles.



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