



IRWIN MINE AND TUNNELING SUPPLY

An affiliate of Irwin Car and Equipment

Your Single Source for Mining Products & Solutions



Rugged.
Dependable.
Innovative.
Cost-Effective.



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Irwin Mine and Tunneling Supply offers a wide selection of Custom and Standard Truck-Mounted Belt Winders, Ventilation Products, Air Compressors, Filtration Products, Material Handling Products, Diesel Locomotives, Trail Skids, Personnel Carriers, Face Drills, Rock Dusters, Rock Drills and Hand-Held Coal Drills.

Depend on Irwin Mine and Tunneling Supply for the highest quality of equipment available anywhere.

Custom Belt Winders

Are your belt winders designed specifically for your applications? At Irwin, every belt winder is engineered to each customer's needs. Let us custom-engineer a belt winder for you.

Belt Winders

- Up to 1 million lbs. of line pull – more available if required
- Direct or chain drive
- A-frame or lift-arm design
- Single or dual drive
- Manual or hydraulic turntable
- Rail/wheel/skid mount
- Fork truck slots & lifting eyes available
- 36" to 108" belt widths
- Roll-up to 168" diameter & higher
- Belt roll weight up to 80,000 lbs., additional weights available, if required
- Fixed or adjustable belt guides
- Optional electric hydraulic or diesel hydraulic power pack
- Optional dual hydraulic controls
- Optional turntable operates under full load
- More options available



1.3 Million-lb. Pull Belt Winder

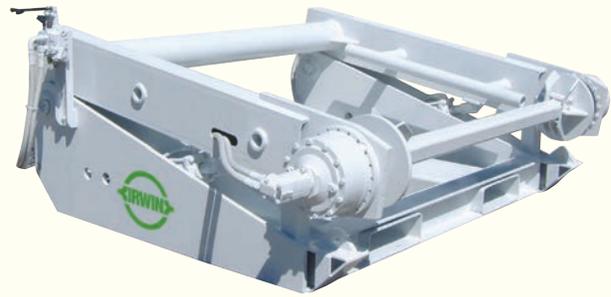


18K-lb. Direct Drive Lift-Arm with Turntable

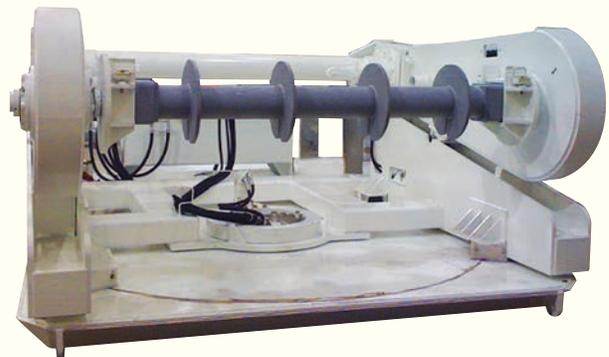
Our wide selection of belt winders helps to make us an industry leader.



Yard-Belt Lapper



Direct Drive Lift-Arm



Chain Drive Lift-Arm with Turntable

Truck-Mounted Belt Winders

Our truck-mounted belt winders make belt replacement or repair easier than ever. With the ability to accommodate customers' requirements for roll widths and diameters, and belt lengths, our equipment allows you to move the belt winder transport vehicle quickly by using hydraulic controls that we position behind the cab to meet your specific needs.



"A-Frame" Belt Winder

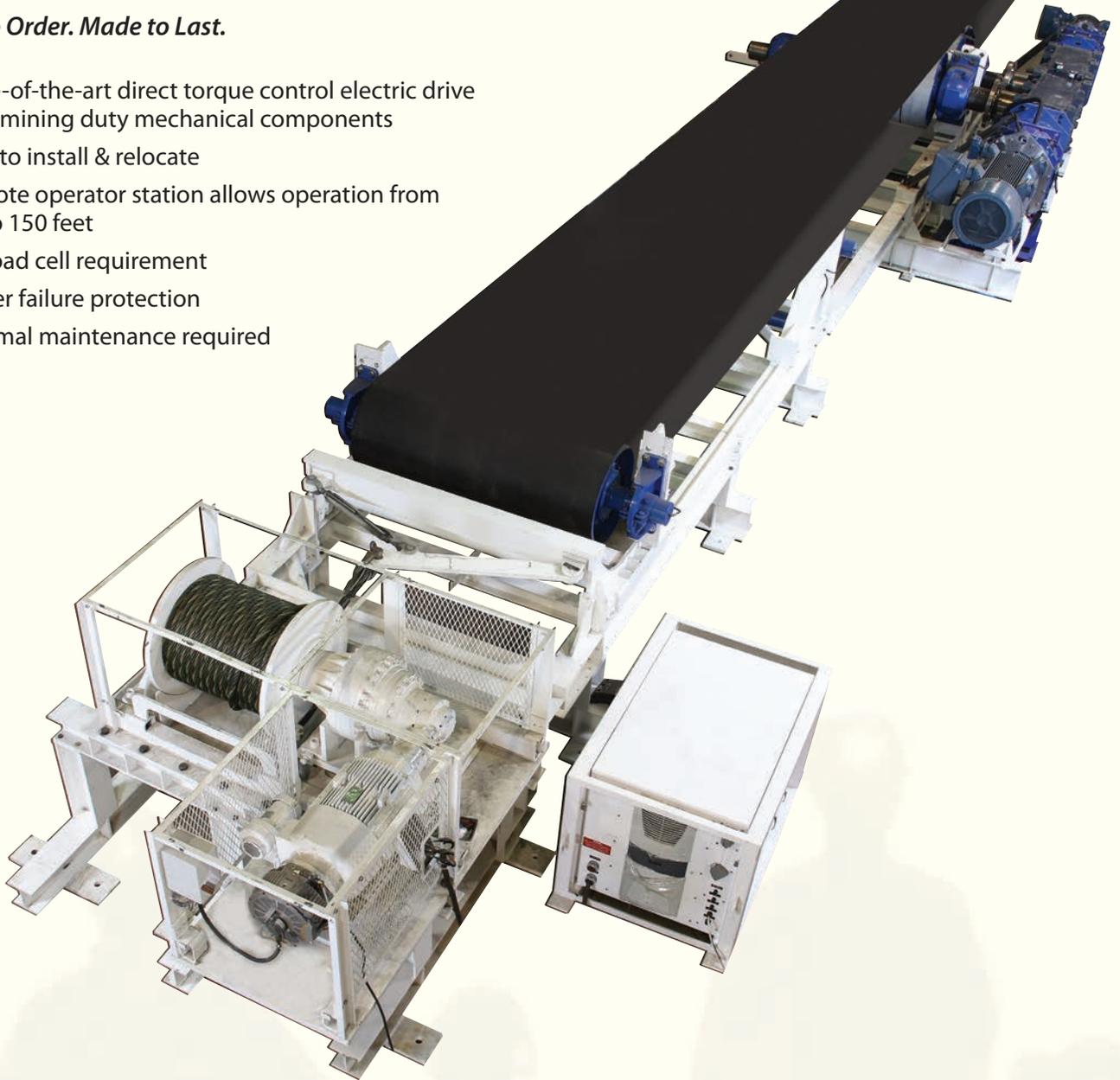


Belt Slitting Table

Electric Constant Tension Winch

Built to Order. Made to Last.

- State-of-the-art direct torque control electric drive with mining duty mechanical components
- Easy to install & relocate
- Remote operator station allows operation from up to 150 feet
- No load cell requirement
- Power failure protection
- Minimal maintenance required



Belt Products



Belt Splice Table

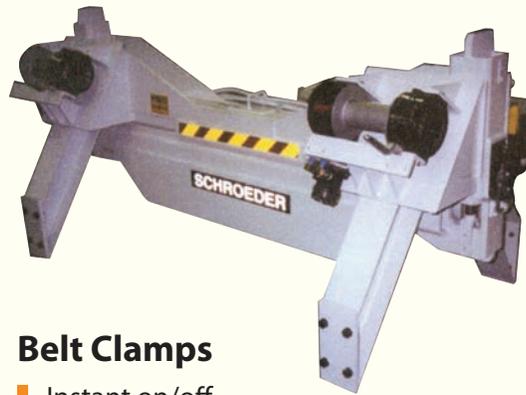
Features and benefits:

- Telescoping
- Sliding belt clamp
- Stationary belt clamp
- Hydraulic

Heavy Duty Belt Clamps

Features and benefits:

- 3,000 lb. pull rating
- Accepts up to 7/8" thick belt and all belt widths
- Utilizes 3/8" chain (no cables)
- Can be pulled across top rollers



Belt Clamps

- Instant on/off
- Easy operation
- Consistent clamping force
- Electric clamp indicator
- Positive mechanical lock
- No mechanical connections
- Custom configured

Other Belt Products

- Drives
- Storage units (any size)
- Take-ups, including hydraulic cylinder
- Belt heaters and heating systems

Ventilation Products

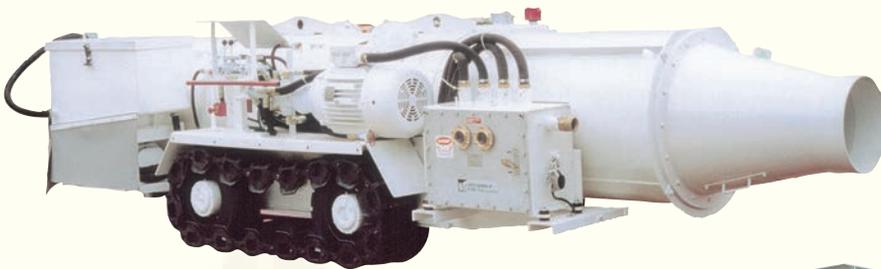
For the most dependable and efficient main and auxiliary ventilation systems, and mobile bases for coal, hard-rock, metal and non-metal mines, as well as heavy-duty industrial applications, rely on Irwin Mine and Tunneling Supply, where all of our ventilation products comply with OSHA and MSHA regulations.



Main Ventilation (Shaft-Driven)



Main Ventilation (Belt-Driven)



*Mobile Base Auxiliary Fan with Rock Duster
(available with Crawlers, Rubber Tires or Skids)*



Top-Belt Drive Fan



*Longwall & Auxiliary
Fan Scrubbers*



Side-Belt Drive Fan

Filtration Products

Irwin Mine and Tunneling Supply offers a wide range of Schroeder Industries filtration products.

A Family of Solutions

- Base-Ported Pressure Filters
 - 40-500 gpm
 - 900-6500 psi
- Tank-Mounted Filters
 - 450 gpm
 - 100 psi
- In-Line Filters
 - 450 gpm
 - 100 psi



Schroeder Backflush Self-Cleaning Filter

- Up to 33,000 gpm
- ANSI mounting port flanges available from 2" to 36"
- Numerous combinations of housing materials & system operating equipment available
- Filtration micron rating of 25-3000 ppm
- Power requirements of 480 VAC, 3-phase, 80 psi
- Carbon steel/stainless steel housing w/polyurethane & rubber coating
- Stainless steel valve & filter elements
- Special coatings & steels available for fluid applications
- Slotted tube/wedge wire filter elements from 50-3,000 microns



LW60 High-Pressure Filter

- 300 gpm
- 6000 psi
- Full-flow high efficiency
- Designed for pressure side of a longwall circuit
- Excellement-MD™ (mine duty) element media



Bulk Diesel Fuel Filters

- 16-70 gpm and up
- Exceptional 99.5% single-pass purification
- Protects latest high-pressure & diesel injectors with particulate filtration down to 1 micron
- Available as in-line units, or on carts & skids

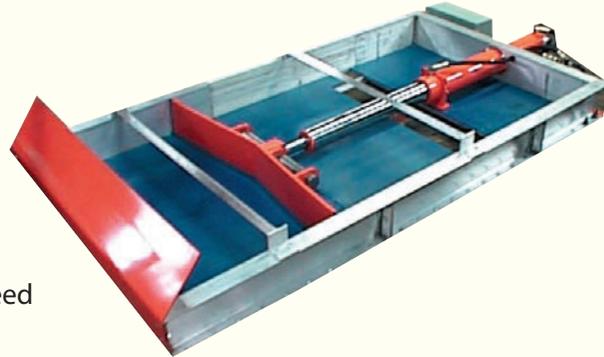


Material Handling Products

Regardless of your materials transport needs, Irwin Mine and Tunneling Supply has the ideal solution.

Ram Mucker

- Reduce downtime
- Extend component life
- Mine duty telescopic double-acting 20,000-lb. cylinder
- Flip-up blade prevents back plowing material on return stroke
- PLC logic control adjusts stroke rate & plow speed
- Proximity sensors enhance desired cycle rate & prevent full-stroke pressure spikes for maximum cylinder life



Miniveyor

- Powerful, portable, flexible, durable & safe
- Moves 25-50 tons/hour
- Modular, aircraft-grade aluminum sections make transport & installation easy
- Can excavate below ground & operate through windows or other restricted areas
- Control box circuit GFI rated to prevent electrical problems



McLanahan Feeder-Breakers

- More than 75,000 lbs. of pull
- Superior tramming ability over rough terrain
- Direct mechanical drive
- No shear pins
- Hydraulic
- Stationary or mobile
- Single or dual drag
- Crawler-mounted for underground use



Face, Rock & Hand-Held Coal Drills

For the widest selection of face, rock and hydraulic hand-held drills that perform under the toughest conditions, we have what you need.

CDB-2000A Face Drill

- Automatic hydraulic operation
- Available in horizontal orientation
- Variable speed 4-wheel drive
- Simple control console
- Powerful tramming (no chains, sprockets or exposed gearing)
- Wet chuck (minimizes dust hazards)
- Penetrates abrasive rock at speed up to 5 ft./min.
- Field or factory conversion available



CVD-5000 Vertical Drill

- Dual drilling
- 20' deep
- 5½" diameter holes
- Available in vertical and horizontal orientations
- Improved throughput
- Superior repeatability
- Longer system life

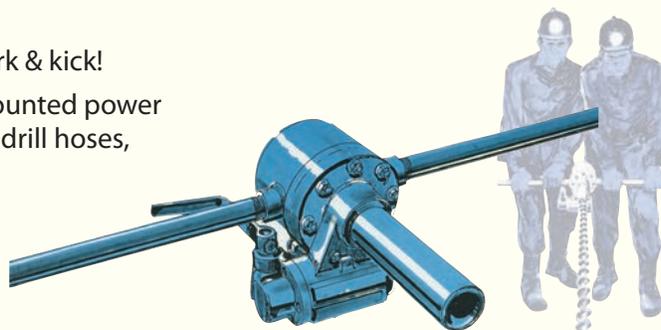
Sample Coal Drill

Irwin's solidly built truck-mounted Sample Coal Drill is ideally suited for extracting coal to determine its metallurgical content and seam height.



Hand-Held Coal Drill

- Hydraulic
- Ideal for production & utility work
- Perfect for shot holes
- Complete operational safety – no spark & kick!
- Accessories include wheel- or skid-mounted power units, valves, gauges, junction blocks, drill hoses, sockets, shanks and chuck adapter

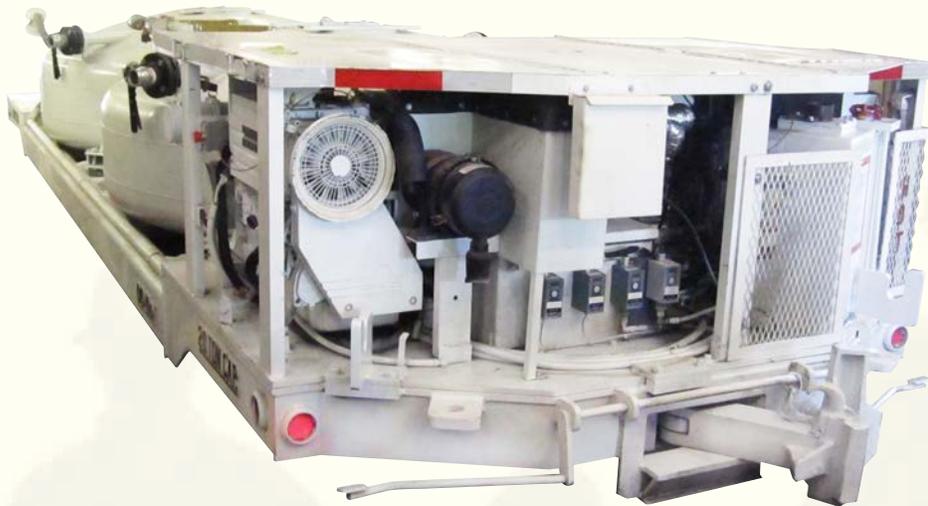


Bulk Rock Dusters

Our bulk rock dusters are safe, efficient, rugged, dependable, innovative and cost-effective. They offer a superior method for applying non-combustible rock dust such as limestone or gypsum in coal mines. Bulk rock dusters are equipped with a larger diesel engine on a diesel drive unit and are available in rail-based models, or mounted on rubber tire cars or skids.

Bulk Rock Dusters

- Bottom-cleanout access pods
- DC, AC or diesel compressor drives
- Heavy-duty rail car
- Larger diesel engines than competitors
- Superior 4-wheel, 12" diameter rail truck assemblies
- Willison Couplers with draft gears



Barrel Rock Duster LG

- Pneumatic operated
- 500-lb. or 150-lb. capacity
- Pressure regulator
- Air vibrator
- Up to 25 lbs. per minute output
- 45½" high (55 gallon) or 29½" high (20 gallon)
- Tires on 55-gallon unit, legs on 20-gallon unit



Portable Rock Dusters

Irwin Mine and Tunneling Supply makes a variety of portable rock dusters that help to maximize mine safety economically. They are easy to operate and come in capacities up to 3,000 lbs. Depending upon your mine environment, Irwin has the trickle duster, flinger duster or scoop pressure duster that's just right.

Portable Rock Dusters

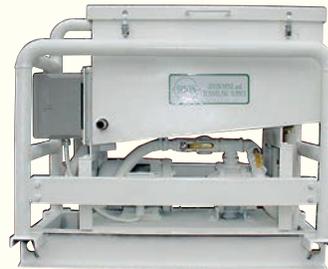
- Improve safety
- Reduce costs
- Low-profile design available
- Scoop bucket
- Small electronic or hydraulic units



2K-lb. Worm Trickle Duster



Flinger Duster (Single or Dual)



Trickle Duster



Snowman Hydraulic Duster



Behind-Blade Snowman



Flinger Duster, Scoop or Coal Hauler



Belt Trickle Duster

Specialty Rail Cars & Accessories

For rail-based material handling solutions that can withstand the harshest environments, look no further than Irwin Car and Equipment.

With Irwin Roof Support Transport Cars, you get:

- 4- or 8-wheel construction for any track gauge, or for rubber-tired units
- An ideal carrier of chocks, shield supports, longwall equipment and supplies, when your longwall move is complete
- Capacities from 20 to 35 tons or custom-designed to meet your special requirements



Our Ballast Cars feature:

- Individually adjusted discharge doors
- Available in 4- or 8-wheel construction for any track gauge
- Customization options for any length, width, height and capacity



We offer compressed air on:

- Rail cars
- Rubber-tired & tireless cars
- Portable skids
- Powered mobile bases
- Stationary air compressors

Irwin air compressors and pneumatic tooling are inexpensive to operate and can be used in environments that have limited power access.



VersaScoop (Mini-Scoop)

Also available in a
Battery-Powered Model



- 78 hp diesel engine
- Capable of lifting 10,000 lbs.
- User-friendly driver's compartment
- Auto-connect attachments
- Heavy-duty articulation joint
- Excellent turning radius
- Ideal for cleanup
- 60" raised bucket height
- 30-gallon diesel fuel & 90-gallon hydraulic fluid tanks
- Non-permissible



Available options:

- Spot bolter
- Fork trucks
- Remote control



Custom-Engineered Replacement Parts

At Irwin Mine and Tunneling Supply, we offer a wide selection of spare parts and equipment, delivered to you promptly, so you can operate with maximum efficiency.

When it comes to room & pillar mining, our depth and breadth of spare parts inventory can help you maximize productivity. Product selection includes:

- Bearing Carriers
- Contactors
- Drive Shafts
- Exchange Units
- Filters & Elements
- Gearing
- Hydraulic Cylinders
- Pillow Blocks
- Pins & Bushings
- Plugs & Receptacles
- Roller Chains
- Sprockets



Spur Gear

Bevel Gear Set



Output Shafts



Hardened Bushings



Brake Valves



Shafts & Pins



Axle

Irwin Warehouses:

- Beckley, WV
- Blairsville, PA
- Waynesburg, PA
- West Frankfort, IL

Distributors:

- A & A Resources – Warrior, AL
- LongWall West – Price, UT

Diesel Personnel Carriers & Locomotives

Our diesel personnel carriers feature superior suspension systems that decrease shock load and maximize the comfort of every ride.



- Easily accessible dry disc brake systems that don't require major disassembly
- Suspension systems that provide maximum trackability
- Maintenance-friendly machine design
- Ergonomic cab design for maximum comfort, safety and visibility
- State-of-the-art electronically-controlled diesel engines that deliver maximum power from start to stop
- Onboard heavy-duty re-railers
- Ergonomically-designed seating with lumbar support to reduce fatigue

Battery & Trolley Personnel Carriers & Locomotives also available.

Non-Rail Trailers & Skids



Irwin Mine and Tunneling Supply is the Answer to All of Your Mining Equipment Needs

With a solid commitment to product innovation and customer service that dates back more than a century, Irwin Mine and Tunneling Supply, an affiliate of Irwin Car and Equipment, is in a strong position to help mining companies choose the belt winders, ventilation products, compressors, filtration products, material handling equipment, locomotives and personnel carriers, rock dusters, drills and value-added services customized to your specific needs. Our manufacturing operations at 70,000-square-foot facilities in Irwin, PA (near Pittsburgh) and Blairsville, PA; along with warehouses in Blairsville, PA; Beckley, WV; Waynesburg, PA, and West Frankfort, IL; and distributors in Price, UT, and Warrior, AL, allow us to give you fast service.



Wheel Burro

- Heavy-duty construction
- Continuous welded frame
- Load always in front of operator
- 1,000-lb. capacity
- Compact – only 37" wide
- Electric brake & potentiometer accelerator – no cables
- Moves safely on grades up to 10%



Specialized Filtration Systems

- Oils up to 25,000 SUS
- Available on skids, 2-wheel carts and 4-wheel carts
- Available in all voltages
- Full micron range
- Onboard starters/controllers
- Customized options available



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02/2014

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