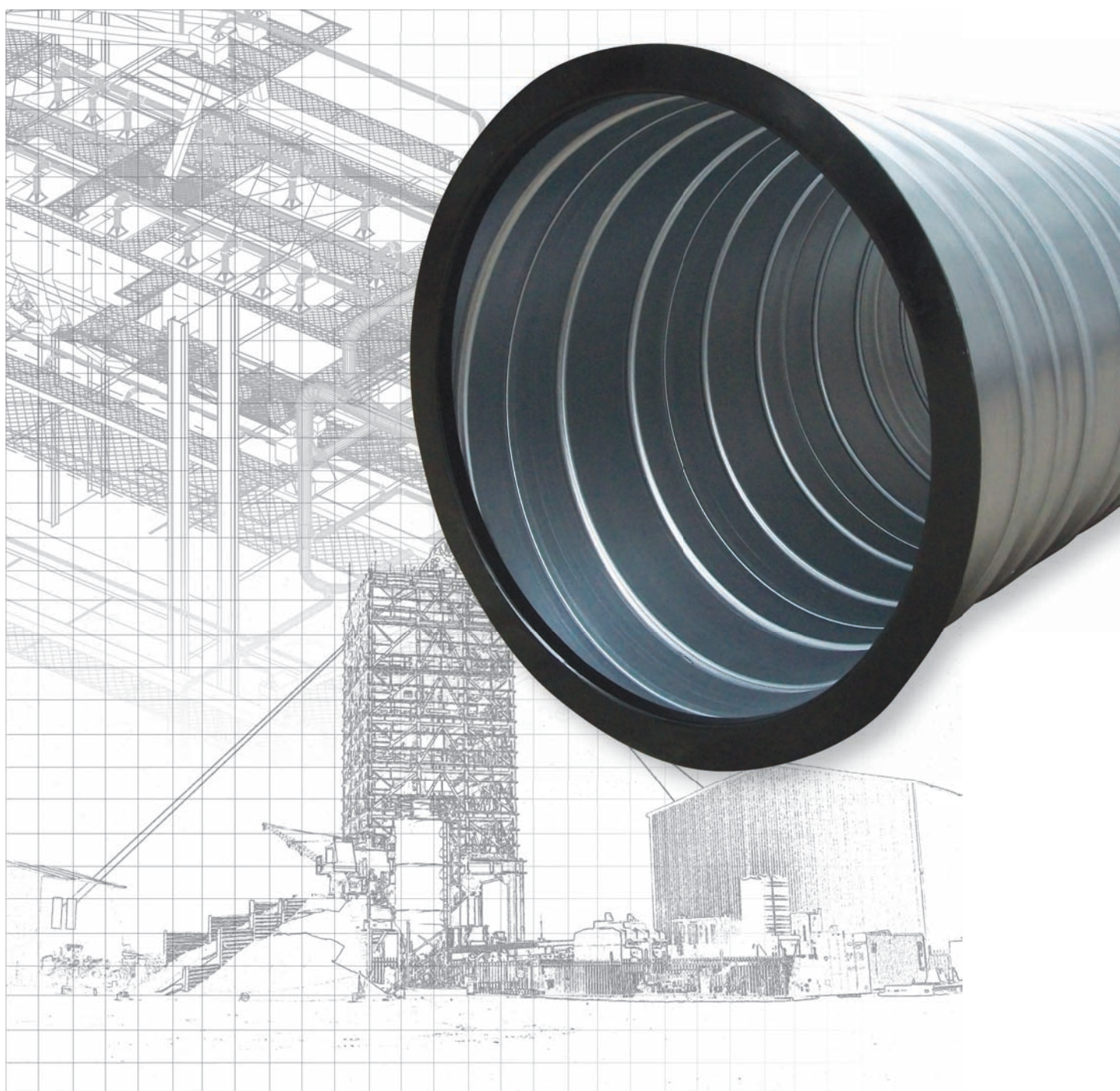
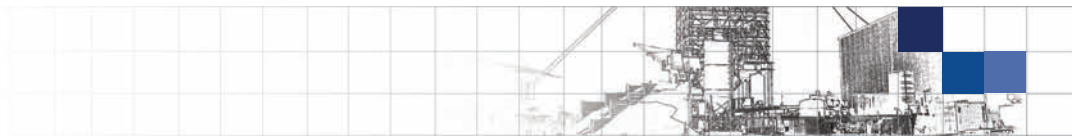




COMPANY PROFILE & PRODUCT CATALOGUE



“CLEAN SWEET AIR
ON THE FACE &
SUPPORT IN
ALL FORMS”



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 - Flexible Couplings and Flanges
 - Furnace Extraction Systems, Fan Casings, Dampers, Silencers and Screens
 - Mining Fans
 - Shaft Ventilation Pipes
 - Sound Attenuators
 - Special Round, Rectangular, Bends and Sections
 - Supports, Walkways, Stairways and Supportive Structural Beam Work (Light Structures)
 - Surface Fan Drifts, Self Closing Doors (High Low Pressure or Counterweight), Radial Vane Control Units, Dampers
 - Tanks, Scrubber Systems, Hoppers, Chutes and Cyclones
 - Underground Ventilation Doors, Refuge Bay Door, Rotating Man Door
 - Water Eliminators
- Underground Support
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Vision

To become the market leader in Africa for the design, fabrication, supply and project / contract management of total integrated mining and industrial related ventilation systems, underground support and ancillary equipment through strategic co-operation with proven market leaders of sub-systems.

Mission

To supply quality products and services that exceed the expectations of our customers in a time period and at a price that is beneficial to all stakeholders without any negative environmental consequences.

UVSS also has extensive experience in the manufacture of underground support, PVC ducting and various other engineering products that serve the mining, engineering and construction sectors.

The business is well placed to serve its expanding client base, through its network of experienced, expert personnel, continuous innovation and improvement, and reliable source of raw materials by virtue of its association as a jointly held subsidiary of Macsteel Services Centres SA (Pty) Ltd.



Company Description & Background

Unique Ventilation and Support Systems (Pty) Ltd was formed through the merger of the following companies:



Unique Clamps Engineering & Ventilation (UCEV)

– Hennenman, Free State



Ventilation & Support Africa (VSA)

– Rustenburg, North West



BroKrew Industrial (Pty) Ltd

– Krugersdorp, Rustenburg, Steelpoort

The merger resulted in the establishment of the largest ventilation manufacturing company in Africa, with more than 85 years of experience in the mining ventilation industry.

Our vast client base both locally in South Africa as well as in Africa, including companies such as Anglo American, Goldfields (Sibanye Gold), Impala and Lonmin Platinum, many of whom have contracts in place with UVSS due to the reputation and reliability we have established as trusted suppliers in the industry.

UVSS maintains its high quality, professional standards as evidenced by its ISO 9001:2008 certification, Health and Safety policies and proud BBBEE status which includes significant Black Ownership and Enterprise Development initiatives.

Facilities

Gauteng

1 Resnick Street

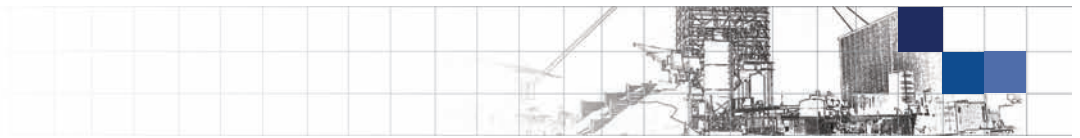
Factoria

Krugersdorp

Freestate

Skoolplaats Factory

Hennenman



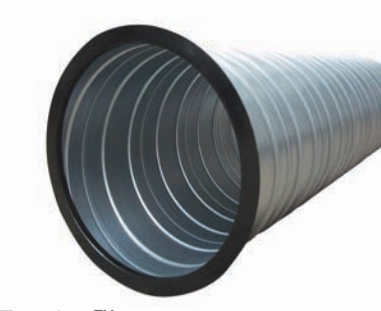
PRODUCTS

Standard Galvanised Mine Ventilation Ducting

Ventilation Columns, Ducting and Pipes



Conventional



Enerduct™



Rectangular Ducting

- Manufactured from 1.0 mm; 1.2 mm and 1.6 mm Z275 galvanised steel.
- Diameters: 305 Ø; 380 Ø; 405 Ø; 570 Ø; 760 Ø; 915 Ø; 1015 Ø; 1220 Ø & 1500 Ø.
- Ducting lengths manufactured to customer specifications and requirements.
- All flanges manufactured from rolled angle iron.

Enerduct is a new concept of duct design and manufacturing. CFD Simulation and Analysis of Air Flow on the newly spiral-swage formed ventilation duct were conducted by the CSIR to determine the flow characteristics in the Enerduct pipe.

Results from the Simulation and Analysis research proved that the design of the spiral swage reduces the frictional pressure drop by between 8.80% and 13.04% at different volumetric flow rates.

Rectangular ducting for Underground and Industrial applications. Manufactured from Z275 galvanised material in lock-form construction with angle iron flanges as joining method.

Underground Applications:

Ducting can be designed for areas with limited space available where conventional round ducting cannot be installed. Flanges can be supplied with clamp-hooks on top of flange which do not require bolts and nuts due to limited space during installation.

Industrial Applications:

Sub-station ventilation systems and plant ventilation systems.

Standard Sizes:

405 Ø (650 x 200); 570 Ø (1020 x 250); 760 Ø (1300 x 350); 915 Ø (1650 x 400); 1015 Ø (1620 x 500); 1220 Ø (1950 x 600).

Alternative sizes can be manufactured on request and as per client specification.

PRODUCTS

Standard Galvanised Mine Ventilation Ducting

Mining Ventilation Column Fittings



Bends



Inspection Doors



Silencers



Blank Off Plates



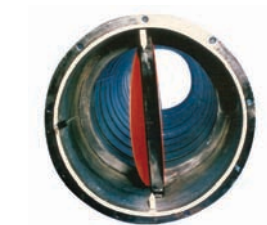
Laterals



T-pieces



Grid Protection Pieces



Low Pressure Self-Closing Doors



Venturis



Dampers / Regulators



Reducers



Water Blast / Brosprays



Wedges



Y-pieces



Compressed Air Silencers

PRODUCTS

Flexible Ducting and Curtains

PVC Ducting



Accessories



Exhaust Ducting



Fittings / Fan Adaptors



Force Ducting

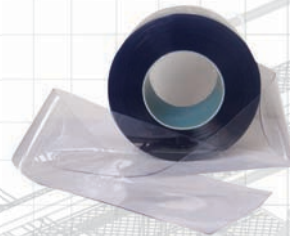
Ventilation Curtains & Accessories



Specification:

- SABS 1287 – NCB 245
- Density: 75-100gsm

Polypropylene Curtains



PVC Strip Curtains



Duct Wrap

PRODUCTS

Special Ventilation Systems – Underground & Industrial



Dust Plants and Air Filtration Units



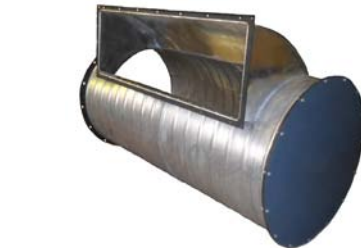
Shaft Ventilation Pipes



Underground Ventilation Doors



Emergency Refuge Bays



Special Round, Rectangular, Bends and Sections



Water Eliminators



Furnace Extraction Systems, Fan Casings, Dampers, Silencers and Screens



Supports, Walkways, Stairways and Supportive Structural Beam Work / Light Structures



Refuge Bay Door



Mining Fans



Surface Fan Drifts, Self Closing Doors (High, Low Pressure or Counterweight), Radial Vane Control Units, Dampers



Sound Attenuators



Tanks, Scrubber Systems, Hoppers, Chutes and Cyclones



Rotating Man Door



PRODUCTS

Underground Support



Lacing Clamps

Meshing & Lacing Clamps

- U-BOLT Lacing Clamps (Standard) – For use with 8-16mm Ø Steel Wire Rope.
- U-BOLT Lacing Clamps (Large) – For use with 16-20mm Ø Steel Wire Rope.
- HEWITT MK I – For use with 8-13mm Ø Steel Wire Rope.
- HEWITT MK II & III – For use with 12-16mm Ø Steel Wire Rope.



Foundation Bolts

- Diameter: Y40; Y32; Y25; Y20 mm Ø x any length, as required.
- Material: 450MPA Tensile.



L Bars

- Diameter: Y20; Y14.5; Y16; Y12; Y10 mm Ø x any length, as required.
- Material: 450MPA Tensile.



Pig Tail Eyebolts

- Diameter: M16 and M20.
- Inside diameter of eye: (64mm).



Pinch Bars

Material Specifications

- Aluminium Pipe 34.92mm outside diameter and 25.52mm inside diameter
- Hexagon bar quality 080A42, 22.4mm Ø

Sizes

- 1.0m - 3.0m
- Forged ends to specification

Underground Support Continued

Roof Bolts



Shepherd Crooks

Standard

- Material: Y12; Y14.5; Y16; T16 – 450 MPA TENSILE
- Length: From 1.2m to 3.2m
- Overlap: From 300mm to 600mm

Welded

- Material: Y14; Y16; T16
- Length: From 1.2m to 3.2m
- Overlap: 50mm Welded



Split Sets

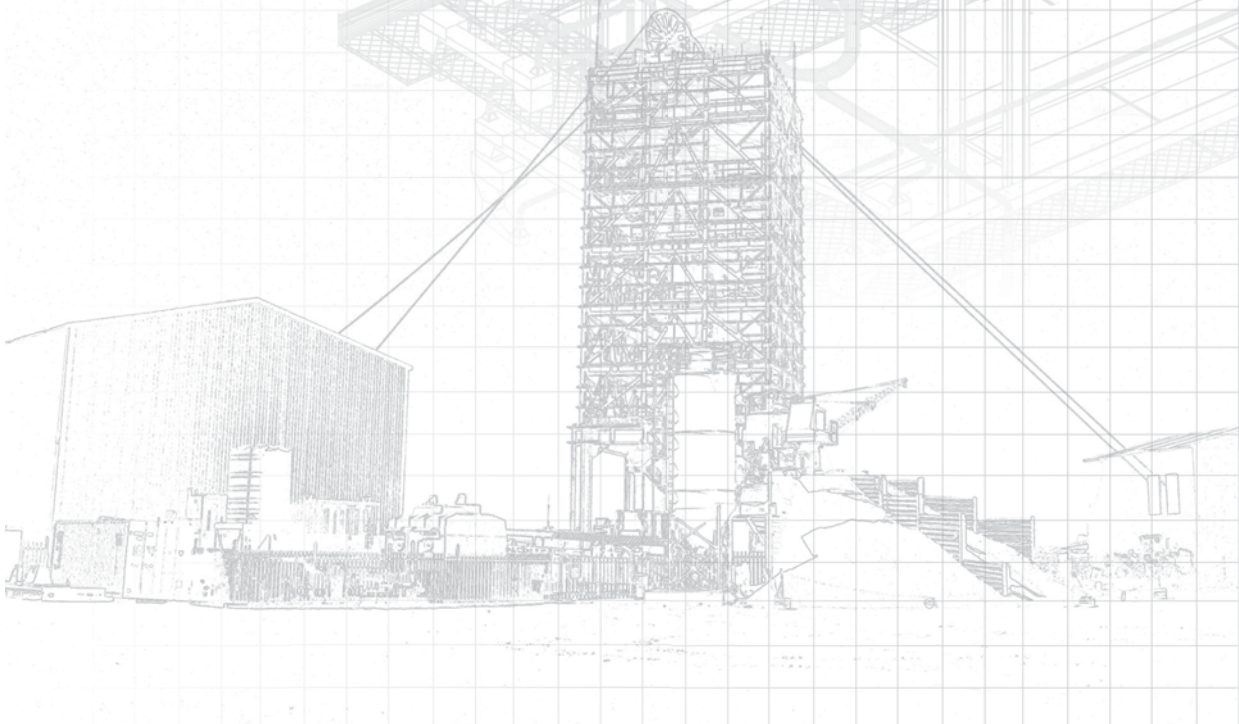
Length

- From 0.6m to 3.0m increments of 0.3m



Winch Brackets

Normal & Heavy Duty





Krugersdorp Branch (Head Office)

1 Resnick Street, Factoria, Krugersdorp, 1739
PO Box 1601, Krugersdorp, 1740

Tel: +27 (0) 11 668 6300
Fax: +27 (0) 86 670 0456
Email: info.uvss@uvss.co.za

Sales Office

Tel: +27 (0) 11 668 6315
Email: sales.uvss@uvss.co.za

Free State Branch (Hennenman)

Tel: +27 (0) 57 573 1162
Fax: +27 (0) 57 573 1162

Website

www.uvss.co.za