



Mining, Construction, Quarry Equipment & Spare Parts

AN ISO 9001 : 2008 CERTIFIED COMPANY

About Us

In 1962, Kantilal Shah founded and established a Company named Vikrant Industrial Mart. He started off his journey as a small entrepreneur for supply of Spare Parts for Air Compressor, Mining and Quarry Equipment, focusing in domestic market. Later on, his son's joined his business and diversified into the manufacturing and export.

In 2000, his elder son Prajay Shah established a new firm Vikay Mining Equipments, specially focusing in overseas market to provide quality product with value-added solutions to meet the global customer requirements.

Vikay is a leading Exporter of OEM Quality replacement spare parts for Air Compressor, Open Cast & Quarry Equipment, Underground & Tunneling Equipment and Construction Air Tools, Instrumentation Valves & Fittings

As an established firm, our success comes from identifying and understanding the needs of customers, vendors, and employee. We as an organization are driven by passion to provide valued-added solutions with Honesty, Commitment and Professionalism.

We would like thank our existing customers, vendors and employees for their continuous support and commitment. We welcome our new customers to serve your needs and requirements.

Core Purpose

“To do things differently, beyond expectations thereby leaving a mark.”

Core Values

- Domain Expertise - *Specialize in the field*
- Valuing Time - *Time Value is valued*
- Think long term - *Being Visionary*
- Students for Life - *Zeal to learn*

BHAG

(Big Hairy Audacious Goal)

“To be a global billion dollar E-tailer company by 2030”

Rock Drill

Vikay Hand Held Rock Drill / Jack Hammer Model VK-65

The Most Popular and powerful Hand Held Rock Drill / Jack Hammer in World. It has low air consumption and a very high drilling rate in relation to weight. Basically used for Blast Hole Drilling, Tunneling, Quarry Works and Construction sites.

It is capable of drilling 27 - 40 mm dia hole with H - 22 integral / extension steel up to depth of 6 Meter.



This Rock Drill is made of Top quality raw material, valves, piston & other moving spares, are made from shock resistance Tool Steel and then heat treated to specified rockwell hardness for toughness and durability.

Back head, Cylinder, Front Head & retainers are made from Carbonizing grade of Drop Forged & Specially heat treated.

Salient Features

- Light Weight
- High Torque
- Large Sliding Face
- High Penetration in hard & soft rock
- Low spare parts consumption

Technical Data

Model	VK-65	
Weight	25 Kgs	55 lbs
Overall Length	565 mm	23"
Air Consumption	58 l/s	123 cfm
Working Pressure Max.	6 bar	87 psig
Piston Diameter	65 mm	2 ½"
Piston Stroke	60 mm	2 3/8"
Chuck Size	22 H x 108 mm	7/8" H x 4 ¼"
Impact Rate	2000 blows / min	
Drilling Rate	425 mm / min	

Drifter

Vikay Top Hammer Heavy Duty Rock Drill / Pneumatic Drifter Model VK-12

The Drifter is Rifle-Bar rotated heavy duty Rock Drill mounted on Rig for drifting and tunneling, making it ideal for such application as bench drilling in open-pit mines and Lime stone quarries, in underground Mining and Tunneling for Ring Drilling and Face Drilling, with the feature of reversible Rotation, which can also be disengaged so that only impact mechanism works.

Flushing is possible as air blowing or water flushing, all drill functions are operated from a control unit.



Technical Data

Model	VK-12	
Weight	70 Kgs	154 lbs
Overall Length	780 mm	30 3/4"
Air Consumption	167 l/s	354 cfm
Working Pressure Max.	7 bar	100 psig
Piston Diameter	120 mm	4 ¾"
Piston Stroke	65 mm	2 ½"
Impact Rate	35 Hz	
Impact Power Max.	7.2 kW	
Rotation Speed	0 – 210 rpm	
Hole Diameters	48 – 76 mm	
Drill Steel	R32, R38, T38	

Wagon Drill (TH and DTH Version)

Vikay Pneumatic Wagon Drill Suitable for Top Hammer and Down the Hole drilling



A robust rubber tyre three wheel pneumatic Wagon Drill, with the option of TH version - Top Hammer and DTH Version - Down-the-hole Hammer, which is an alternative to mechanization of hand held drilling.

The Wagon Drill design for production drilling in open-cast mines and quarry, grouting, anchoring with special shortened mast, used for production drilling in underground mines.

Optional - Conversion Kit to convert TH version to DTH Version and Vice-versa. Drilling Range 48 mm to 155 mm

TH version (Top Hammer)

The TH version of is equipped with the robust Pneumatic Top Hammer with rifle bar rotation model VK-12 Pneumatic Drifter, well known for its simplicity and reliability. Suitable for hole sizes from 48 - 76 mm and depth upto 20 - 40 Meters.

DTH version (Down-The-Hole Hammer)

The DTH version is fitted with powerful piston type rotation Air motor, Type BBR-4, suitable for Pneumatic 3" and 4" DTH Hammers. Offering a wide selection of drill hole sizes from 85 to 130 mm, and depth upto 40 Meters.

Salient Features

Hydraulic Hand pump for Boom Lift, Mechanical Jack, Pneumatic Power Steering with Tow Bar for Tramming and easy to shift from hole to hole, available in different lengths of Feed Beam viz :

- Open Cast Mines - 5.1 Meter long
- Sand & Lime stone mines - 4.2 Meter long
- Underground Mines - 2.5 Meter long

Technical data

TH Version (Top hammer)

Pneumatic Drifter	VK - 12
Hole Diameter	48-76 mm
Drill Steel	R32, R38, T38
Drill Steel Length	1.20 Meter, 2.50 Meter, 3 Meter
Air Consumption	400 cfm @ 7 Bar

DTH Version (Down-The-Hole hammer)

Rotation Drive Unit	Type BBR-4, Thread - API 2 3/8"
Hole Diameter	85-130 mm
Drill Tube Diameter	70 / 76 mm
Drill Tube Length	1.20 Meter, 2.50 Meter, 3 Meter
Operating Pressure	12 Bar Max.
Maximum Torque	900 Nm
Air consumption	450 cfm @ 10.5 Bar
Suitable Hammer	3", 4" Hammer

Feed and boom

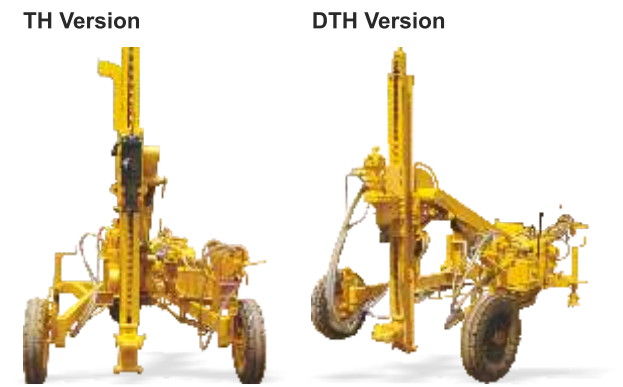
Feed type	Chain drive
Feed length, total	5,430 mm, 4425 mm, 2825 mm
Travel length	3,940 mm, 2200 mm, 1500 mm
Feed force	8 kN 1,800 lbf
Boom type	Single section Hand Operated Hyd. Cylinder
Drill control panel	Side mounted

Carrier

Traction type	Pneumatic wheel drive
Tramming speed	2 km/h Max. 1.3 mph
Traction force	7.8 kN Max. 1,750 lbf
Hill climbing ability	20 degrees
Track oscillation	N/A
Ground clearance	310 mm 1 feet

Transport dimensions

Weight	1,340 kg 2,948 lb
Transport position	
- Length	5,430 mm 17' 9"
- Width	2,100 mm 6' 10"
- Height	1,600 mm 5' 3"



Crawler Drilling Rig (TH and DTH Version)

Vikay Pneumatic Crawler Drill for Open-Pit Mines and Quarries



Technical data

TH Version (Top hammer)

Pneumatic Drifter	VK - 12
Hole Diameter	48 - 76 mm
Drill Steel	R32, R38, T38
Drill Steel Length	3.05 - 3.66 Meter
Air consumption	400 cfm @ 7 Bar

DTH Version (Down-The-Hole hammer)

Rotation Drive Unit	Type BBR-4, Thread - API 2 3/8"
Hole Diameter	85 - 130 mm
Drill Tube Diameter	70 / 76 mm
Drill Tube Length	3 Meters
Max. Operating Pressure	12 Bar
Maximum Torque	900 Nm
Air consumption	450 cfm @ 10.5 Bar
Suitable Hammer	3", 4" Hammer

Feed Details

Feed Length	5430 mm
Travelling Length	
- Drill tube	3740 mm
- Feed Beam	900 mm
Feed Force	8 kN

Carrier

Travelling Speed	2.5 km/h max.
Travelling Force	18 kN max.
Hill Climbing Ability	30° max.
Track Oscillation	± 12°
Ground Clearance	295 mm

Dimension

Length	5430 mm
Width	1950 mm
Height	
- Feed Up	2680 mm
- Feed Down	1600 mm
Weight	2850 Kgs



Pneumatic Crawler Drill available in TH – Top Hammer and DTH – Down-the-hole version, is compact solution, the one-man operated drilling rig with its versatility rugged construction and superior technical features.

It is ideal for Blast Hole production drilling in quarries or Surface Mining or construction works. While the Hydraulic traction motor and oscillation system, provides excellent manoeuvrability in toughest terrain. The compact design enables you to carry the rig on truck over the longest distance between the site works.

TH version (Top Hammer)

The TH version is equipped with the robust Pneumatic Top Hammer with rifle bar rotation model VK-12 Pneumatic Drifter, well known for its simplicity and reliability. Suitable for hole sizes from 48 – 76 mm and depth upto 20 – 40 Meters.

DTH version (Down-the-hole Hammer)

The DTH Version is fitted with powerful piston type rotation Air motor, Type BBR-4, suitable for Pneumatic 3" and 4" DTH Hammers. Offering a wide selection of drill hole sizes from 85 to 130 mm, and depth upto 40 Meters, which is ideal for bench drilling, anchor drilling, grout hole drilling, etc.

Pneumatic Slim Drill

Vikay Pneumatic Slim Drill for Marble and Granite Mines



Technical data

DTH Version (Down-The-Hole hammer)

Rotation Drive Unit	Type BBR-4, Thread - API 2 3/8"
Hole Diameter	85 - 130 mm
Drill Tube Diameter	60, 76 mm
Drill Tube Length	1.20 Meter
Operating Pressure	10.5 Bar Max.
Maximum Torque	900 Nm
Air consumption	450 cfm @ 10.5 Bar

Feed and boom

Feed type	Chain drive
Feed length, total	2.5 Meter
Travel length	1.5 Meter
Feed force	8 kN
Suitable Hammer	3", 4" Hammer
Controller	Gang Type Remote Control Panel
Ground Clearance	3" with 4" hammer 3.5" with 3" hammer
Universal Positioning	By Ball Joint System

Dimensions

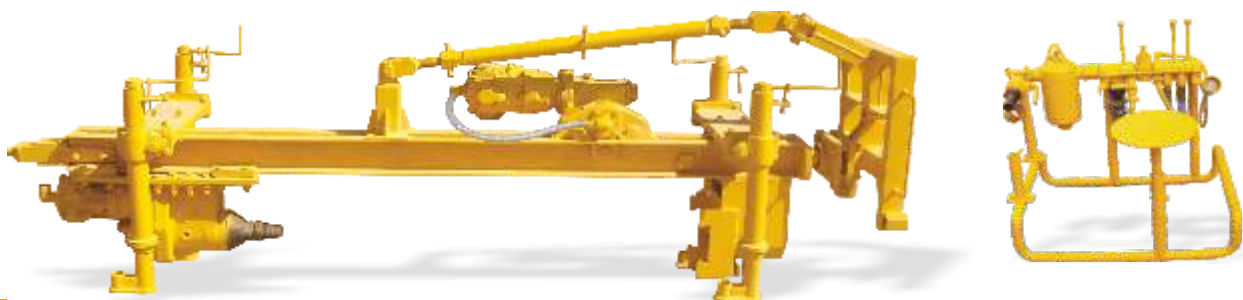
Weight	750 kgs
Length, transport position	3,226 mm
Width	812 mm
Height	1,016 mm

Pneumatic Slim Drill is designed for Marble and Granite mines for drilling in Down-The-Hole Hammer drilling method, ideally for drilling lead holes matching for Diamond Wire Cutting.

This machine has the ability to drill hole diameter from 85 mm – 130 mm, upto 40 Meter length, in Vertical and Horizontal positions, and can be easily dismantled into Sub Assemblies, ensuring easy portability and repositioning, due to its light weight.

Salient Features

- Rotation Drive Unit – Powerful heavy duty Rotation Drive Unit Type BBR-4, fitted with 4 Cylinder Piston Type Air Motor with Planetary gear and reduction gear box.
- Feed Unit – 4 Cylinder Piston Motor with Worm reduction Gear Box.
- Controller - Gang Type Remote Control Panel with Pressure regulator controller and 3 Ltr capacity Oil Lubricator.
- A ball joint system is provided at the bottom of the Mast, to facilitate Precision alignment for matching holes.
- Cover Leveling Jack with re-usable Rock Bolt System and Heavy Duty Double C Class Channels, to maintain perfect rigidity during drilling.



Mucking Machine

Pneumatic Mucking Machine - LHD Load-Haul-Dump for underground mines.



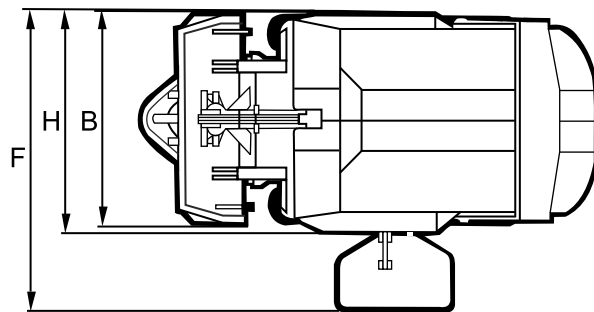
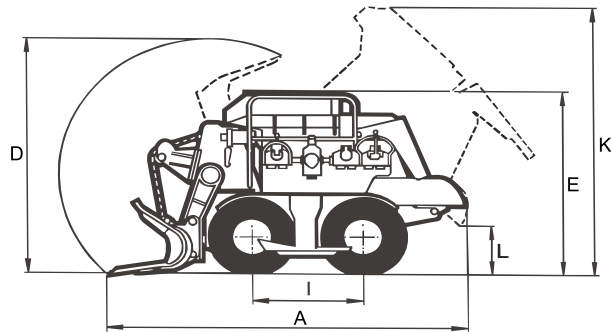
Technical data

Weight	3500 Kgs
Body Capacity	1 m ³
Bucket Capacity	0.13 m ³
Net Loading Capacity	0.7 m ³ /min
Travel Speed	1 - 1.4 m/s
Traction Motor Rating	2 x 10 HP @ 6 Bar
Bucket Motor Rating	2 x 10 HP @ 6 Bar
Air Consumption,	140 l/s
Air Pressure Requirement	5 - 7 Bar
Hose Nipple	40 mm
Ground Clearance	150 mm
Tyre Size	7.00 x 12 (Enlarged to 8.25 x 12)

The Pneumatic Mucking Machine also called LHD-Load-Haul-Dump Loader running on Tyred wheels by Pneumatic Power, is a kind of underground mucking machine, mainly used in conveying disintegrating slag in underground mines, tunnels, coal mines, large underground chambers, open – cut excavation work side. It can Load, Haul and Dump.

Rubber Tyred wheels with four wheel drive, two traction motors, one for each site, wheel pair give powerful traction and good penetrating power, allowing smooth driving. The machine turns in its own length when one traction motor is run ahead and the other in reverse at identical speeds.

The steering is stepless. One man can handle loading, transport & discharge



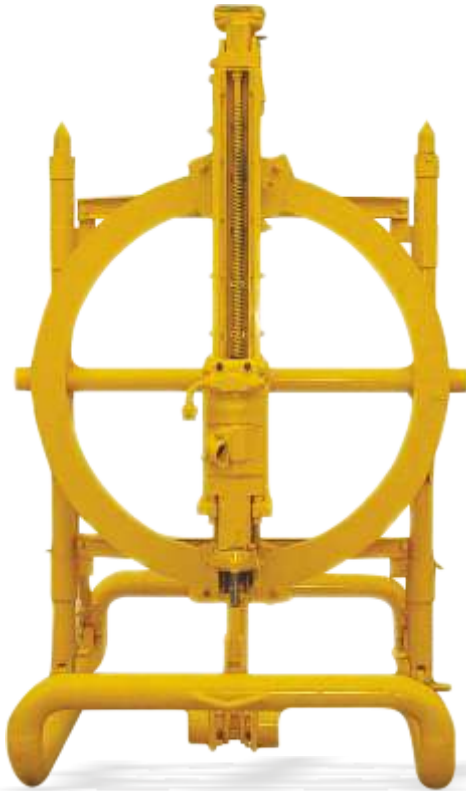
	A	B	D	E	F
Size in mm	2920	1250	2120	1630	1900
	H	I	K	L	
Size in mm	1415	910	2310	460	

Junior Simba Machine - Standard Version

Vikay Junior Simba Machine / Ring Drilling Equipment for Underground Mines

Junior Simba Machine - Standard

Also known as Ring Drilling Equipment is designed for underground mines and Tunnel to drill in 360° rotation for conventional drilling, at any angle for small mines of 3 Meter radius. The same is easy to dismantle & easy to move from one place to another. Suitable application for drilling, tunneling, drifting & long hole drilling.



Technical data

Junior Simba	Standard Version
Pneumatic drifter	VK – 12
Hole Diameter	51 - 64 mm
Drill Rod Size	R32
Drill Rod Length	1.20 Meter
Drilling Length	25 Meter Max.
Air consumption	400 cfm @ 7 Kgs/cm ²
Drilling Rate	4 Minute per Meter
Feed Beam	Screw Feed Type BMS-46
Rod Catcher	Pneumatic Type BSP-10
Ring Size	1500 mm
Dimension in mm	1780 x 1550 x 2600 (L x W x H)
Column Bar Height in mm	Closed - 2200 mm, Open - 3700 mm
Net Weight - Version	
- Standard	1200 Kgs
- Lateral Movement	1500 Kgs

Optional:

A) Lateral Movement Version - For Parallel Hole Drilling



Pneumatic Cement Injection Pump

Vikay Pneumatic Cement Injection Pump for Underground Mines



Technical data

Weight	25 Kgs for Pump
Dimension	8" x 24" x 44" (L x W x H)
Air Pressure	90 - 100 cfm @ 70 - 80 psig
Operation Control	One Valve Operation

Scope of Supply

A special grout mixer including 2 No. drums of 75 litres capacity, with mixing blades, air motor and torque multiplying speed reduction gear box.

The Pneumatic Cement Injection Pump is used in Underground Mines, specially designed for Cement grouts & spraying water based Binder, where low volume and high pressure is required.

Salient Features

The major attraction of Pump is its portability, light weight, & rugged enough to withstand the normal mines handling, easy to maintain in case of any blockages

Applications

Roof Bolung & Cable Grouting Fully Grouted Bolts & anchors installed by pregrouting or post injection

Long hole grouting from 3 Meter to 20 Meter, can be injected with cementitious or other mixer (water based resins etc) in proportionate ratio from 1 : 0.33 upto 1 : 2

Ventilation control by spraying on to walls and prefabricated meshes.

Injection of Grouts, set props with a modification to produce high pressure setting up to 500 psi



Pneumatic Slurry Pump

Vikay Pneumatic Slurry Pump for underground mines

Double Diaphragm Slurry pump designed for Shaft Sinking, Drives, decline, Ramps, Tunnels & Dams with the Head delivery of 40 – 70 Meters. Available in two different models – KPD-250 & KPD-170.

	Model KPD-250		Model KPD-170	
Weight	60 Kgs		25 Kgs	
Dimensions	20" x 17" x 34"		17" x 12" x 24"	
Discharge	250 - 400 lpm		150 - 250 lpm	
Head Capacity	50 Meter Vertical		35-40 Meter Vertical	
Air Consumption	90 - 100 cfm		70 - 80 cfm	
Air Pressure	6-7 Kgs/cm ²	80/90 psig	5-6 Kgs cm ²	70/90 psig
Suction Size	75 mm	3"	50 mm	2"
Delivery Size	50 mm	2"	50 mm	2"
Suction Lift	10 feet		10 feet	
Stroke Capacity	90 - 100 Per Minute		60 - 80 Per Minute	
Max. Size of Solid	10 mm	3/8"	8 mm	5/16"
Lubricant	Servoneum 100		Servoneum 100	
Self Priming	Yes		Yes	
Submersible	Yes		Yes	
Material of Construction	Alluminium Alloy Casting		Alluminium Alloy Casting	

Since Approvement are made from time to time , the illustration and specifications are subject to change without notice.

Rock Drill



Replacement Parts for Rock Drill / Hand Held Drill

Atlas copco

RH 571-5L, RH 571-3L
RH 658-5L, RH 658-4L, RH 658-4W
BBD-12D, TEX-9D, TEX-11D

Chicago Pneumatic

CP-9, CP-9CS, CP-9BS, CP 14RR
CP-32A , CP-69

Compair Holman

SL-303, SL-9G

Drifter



Replacement Parts for Pneumatic Drifter

Atlas copco

BBC-43
BBC-100
BBC-120-F
BBE 57

Paving Breaker



Replacement Parts for Pneumatic Paving Breaker

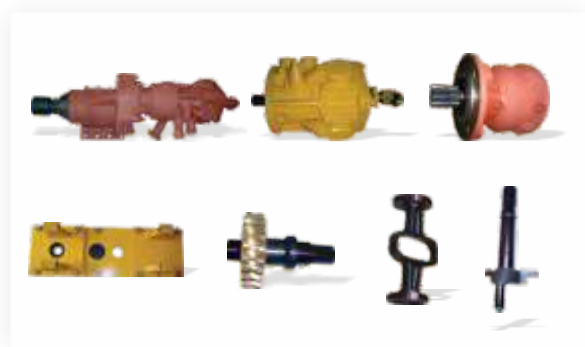
Atlas Copco

TEX-32
TEX-37

Chicago Pneumatic

CP-117, CP-1170,
CP-1210, CP-1230, CP-1240

Wagon Drill



Replacement Parts for Pneumatic Wagon Drill & Crawler Drill

Atlas Copco Wagon Drill

BVB 25-10 Top Hammer
BVB 25-12 DTH Hammer

Atlas Copco Crawler Drill

ROC 203

Rotation Drive Unit Type BBR-4 | Gear Housing | Planetary Gears
| Piston Motors | Feed Beam | Drill Steel Support | Cradle | Chain
Tensioner

Simba Junior



Replacement Parts for Atlas Copco Simba Junior

- Screw Feed Beam Type BMS 46
- Pneumatic Drill Steel Support Type BSP 10
- Cradle for BBC-120F
- Remote Control
- Motor Housing Complete
- Feed Screw
- Bearing Casing Top & Bottom

Mucking Machine Cavo 310



Replacement Parts for Atlas Copco Mucking Machine Model Cavo 310

- Air Motor - Bucket & Traction
- Air Control
- Lubricator
- Traction Gear
- Cylinder
- Bushing with valve

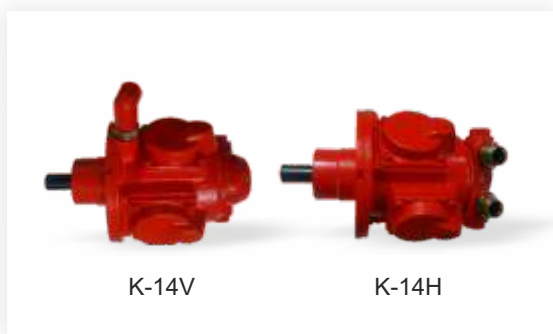
Alimak Raise Climber



Replacement Parts for Pneumatic Alimak Raise Climber

- Drive Unit with Air Motors
- Service Unit – Alicab
- Air Motor K-14V / 14H
- Worm Gears
- Safety Brake
- U Frame
- Spacer, Bracket, Expansion
- Guide Rail – 1 - 2 Meter, 3°, 7°, 8°, 25°

Air Motors For Alimak Raise Climber



Replacement Parts for Pneumatic Alimak Raise Climber

- Air Motor (K-14V) - P/n. 9013834 101
- Air Motor (K-14H) - P/n. 9013834 102



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