

SHiVA

TRANSMISSION



S. R. Engineering
Committed to the Superior Quality & Services
(A Shiva Group of Companies)

**Engineering is the closest thing to
magic that exists in the world...**

ABOUT US

Our Journey:

From Humble Beginnings to the Shiva Group

Our story began in 2017 when Shiva Transmission was founded. With a passion for power transmission solutions, we began by offering a focused selection of gearboxes and geared motors. Driven by client needs and a desire to provide comprehensive support, we steadily expanded our portfolio to include motors, transformers, conveyor belts, and more.

This commitment to serve as a one-stop-shop for our clients' industrial needs fueled our growth. In 2021, we proudly unveiled S.R. Engineering. This new venture allowed us to specialize in conveyor belts, transformers, ESPs, material handling equipment, couplings, motors, plumper blocks, and cardan shafts, further widening our ability to assist industries in their endeavors.

Today, this dedication to comprehensive support has led to the formation of the Shiva Group. Under this unified banner, our companies work in tandem to provide a vast array of industrial solutions. We are driven by the unwavering principle of offering our clients exceptional quality, reliable service, and a commitment to finding the perfect solutions to boost their operations.

As the Shiva Group, we look forward to continuing to innovate, expand, and serve as a trusted partner to industries across sectors. Our aim is to empower businesses with the tools they need to achieve extraordinary results.



SHiVA
GROUP



SHIVA
TRANSMISSION



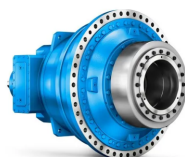
S. R. Engineering
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Helical Gear Boxes



Range : Centre Distance
Single stage upto 630 mm
Ratio : 1.125:1 to 6.3:1
Range : Centre Distance : 2, 3
and 4 stages upto 800 mm
at final stage
Type : Solid/ Hollow
output shaft

Planetary Gear Boxes



Range : Upto 1.5
Million
Nm Torque
Ratio : Upto 4000:1
Type : Solid/ Hollow
Output Shaft

Extruder Gear Boxes



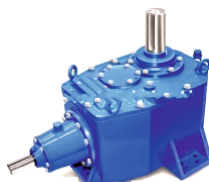
Ratio : Upto 22:4:1
Thrust Bearing
Upto : 29452E
Sizes : Upto 360
Type : Helical with Built
in Thrust Bearing

Bevel Helical Gear Boxes



Range : Centre Distance
2, 3 and 4 stages upto
800 mm at final stage.
Ratio : 5:1 to 630:1
Type : Solid/ Hollow
output Shaft

Cooling Tower Gear Boxes



Size : 130 to 432
Ratio : 5:1 to 16:1
Type : 2 Stage
Helical/ Bevel
Helical

Vertical Roller Mill Gear Boxes



Range : Upto 1200 KW
Type : Bevel Planetary
Applications : Coal Mill,
Raw Mill, Cement Mill.

Worm Gear Boxes



Range : Centre Distance:
1.125" to 30"
Ratio : 5:1 to 70:1
Type : Under Driven, Over
Driven, Vertical Mounting,
Universal Mounting

Geared Motor

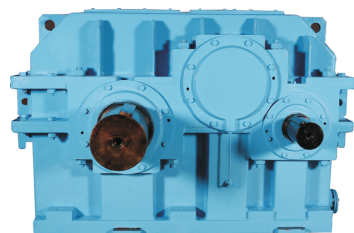


Type : Helical, Bevel
Helical, planetary
Mounting : M,C,F,K series
Power Motor : Upto 90 Kw
Ratio : upto 20,000:1

Worm, Helical, Bevel Helical Spares



Custom Built Gear Boxes



Series : M

Helical Inline Geared Motor



RADICON POWERBUILD Series 'M' Helical Inline Geared Motor and Reducers belong to the latest generation highly efficient Universal drive solutions suitable for almost all applications. The product has a very sturdy and elegant design that covers ratios beyond 20,000:1 along with a capability of delivering a torque of 20,000 Nm.

Series: C

Right Angle Hellworm Geared Motor



RADICON POWERBUILD range of Helical Worm Geared Motor provides the optimum solutions for right angled drives with a high efficiency and multiple mounting options. Ratios upto 250:1 can be easily achieved in just two stages and upto 16,000:1 in multiple stages. Torques upto 10,000 Nm can be transmitted.

Series : PL

Planetary Geared Motor



RADICON POWERBUILD range of smart Planetary Geared Motor and Gearbox provide an ideal solutions for inline (and right angled) applications which require very high ratios upto 2500:1 in a limited space. The current product range covers torque upto 65,000 Nm. The product has a range of options on the output side to suit customer needs.

Series : A

Compact Geared Motor



RADICON POWERBUILD Series A is a genre of Compact Geared Motors with proven performance. This product can be manufactured and delivered in the shortest time to minimize the downtime at the customer location. Series A Compact Geared Motor has a stylish design, is easy to install, light weight and comes with a small foot print. The product is grease filled for life which makes it simple and maintenance free.

Series: F

Parallel Shaft Mounted Geared Motor



RADICON POWERBUILD Series 'F' Parallel Shaft Mounted Geared Motor Vcomes with multiple mounting options and ratios upto 20,000:1 in multiple stages. This product comes with an Integral torque arm for shaft mounted applications. This product is extensively used for Hoist and Cranes; Mixers and Agitators, Steel and Tube Rolling Mills and a range of Conveyor applications.

Series : P

Custom Drive Solutions



RADICON POWERBUILD has its in-house design and testing facility along with state-of-the-art manufacturing set up. Drive solutions can be tailored to suit individual customer/project requirement. Popularly known as "Series P". PBL has delivered solutions for a range of applications. Today over 200,000 gear boxes are installed across India for applications with torques upto 20000 Nm.

Series : K

Right Angle Helical Bevel Geared Motor



Series K from RADICON POWERBUILD is an extremely efficient Right Angled Gearbox. It can deliver torque upto 33,000 Nm with a ratio of upto 10,000:1. Apart from superior aesthetics, the product is very flexible in terms of mounting options. This proven workhorse finds widespread applications in most core industries like , Cement Steel, Power, Mining and other infrastructure projects.

MOTO DRIVE Geared Motors



PBL offers mechatronic solutions for motor ratings from 0.37kW to 33kW for wide range of motion control applications. These Variable Frequency Or,ves are integrated with the Geared Motor (decentralized drives) and hence can be controlled remotely. The RAOICON POWERBUILD MOTO DRIVE Solutions are available with all categories of Geared Motors. They are customized for application like food processing, material handling conveyors, V-ckag,ng. baggage handl,ngetc;..

Series : J

Shaft Mounted Speed Reducer



Series J from RADICON POWERBUILD is available In most popular ratios. A very simple product that is easy to mount and dismount using our patented KIBO technology. By varying input speed using pulley, chain or belt drive , the Output RPM can be controlled to suit any application. This product delivers excellent performance especially for the bconstruction, glass, ceramic , mining, paper and chemical indusvies..

HINDUSTAN™ Conveyor Belts were introduced over 15 year ago as India's leading all synthetic conveyor belting. Today, with over years of experience in design, manufacture and application engineering with constant upgradation to match changing industrial needs. HINDUSTAN™ is still the most preferred choice of the customer. Backed by unbeatable combination of technical and development skills, HINDUSTAN™ out performs all competitive brands on every critical criterion.



TYPES OF CONVEYOR BELT

N-N / EP Conveyor Belts

EPDM Conveyor Belts

Clitted Conveyor Belt

Chevron Conveyor Belts

Rough Top Conveyor Belts

Endless / Jointless Belt



The Above Types Are made in Grade : M-24, HR / T1 , SHR / T2, UHR / T3, FR, OR, FG (M-24 + SAR Special), SAR, Endless / Jointless

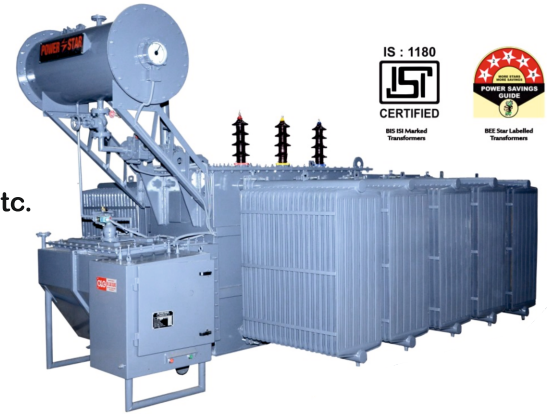
GRADE OF CONVEYOR BELTS:-

- M-24** → This Grade is recommended for conveying heavy, sharp, highly abrasive materials like metallic ores, granite, lime stone, coal, Blast furnace slag & clinker etc.
- SAR** → These belts are technically designed for Medium / Heavy Duties the Rubber Covers of 'S. A. R.90 MM3 Belts are completely rugged and Highly abrasive Resistance
- HR/T1** → Our range of HR (T1) Conveyor Belts are suitable to convey material in continuous Temperature of 125 degree centigrade for coarse materials and 100 degree Centigrade for fines.
- SHR/T2** → Our range of SHR (T2) Conveyor Belts are suitable to convey material up to 125 degree centigrade for fines and 150 degree centigrade for coarse material.
- UHR/T3** → Conveyor Belts used for handling material above 200° Centigrade for fines 200° Centigrade and Lumps upto 220° Centigrade for coarse material. Maximum Intermittent Temperature upto 220°
- Endless/ Jointless Belt** → We offer Hot Vulcanized Endless Conveyor belts upto the width of 2000 MM in all the types and Grades of Conveyor belting like M-24 Grade Endless Conveyor Belt, Heat Resistant Endless Conveyor Belt, Ultra Heat Resistant Endless Conveyor Belts, Rough top endless Belts and Chevron Endless Belts , Weigh Feeder Endless Belts etc.
- FG (Food Grade)** → We offer Food Grade hygienic Conveyor Belting Which confirm to IS:1891 (Part IV), this belts are suitable for handling food materials, These belts are made from natural rubber, special raw material, Chemicals and without Carbon.

Power Star Transformers are known for delivering excellent performance. The expert R&D team develops one of the most advanced designs to withstand short-circuit.

Technical Specifications

- Ratings: 3 phase upto 220KV, 100 MVA & 1 phase upto 100 MVA.
- Frequency : 50/60 Hz.
- Applicable Standards IS:1180, IS:2026, IEC:60076, ANSI 57, BS, SANS.
- Class of Insulation : A/B.
- Cooling: ONAN/ONAF.
- Vector Groups: Any as per customer requirement like Dyn11, Yzn1 1, Dd0, etc.
- Insulating Fluid : Mineral Oil/ Silicon Oil, both inhibited & inhibited, as per IS/[EC/ANSI/BS/SANS Standards
- Biodegradable Ester Filled Transformers also offered.
- Standard Accessories as per customer specifications.



FURNACE TRANSFORMER



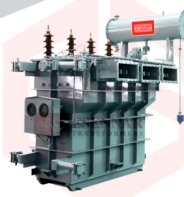
CAPACITY: UP TO 31.5 MVA

POWER TRANSFORMER
UP TO 66 KV CLASS



CAPACITY: UP TO 31.5 MVA

SOLAR INVERTER DUTY TRANSFORMER



CAPACITY: UP TO 8 MVA

DISTRIBUTION TRANSFORMER
UP TO 33 KV CLASS



CAPACITY: UP TO 5 MVA

VPI DRY TYPE TRANSFORMER WITH OLTC



CAPACITY: UP TO 5MVA

TRANSFORMER WITH BUILT IN A.V.R
(HT A.V.R)



CAPACITY: UP TO 20 MVA

Dry-type Cast Resin Transformer



Unitized/Packaged Sub-Station (USS/PSS)

Low Losses

High Performance

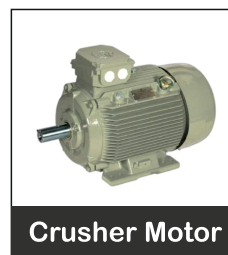
Best Efficiency

Electric Motor (HT/LT)

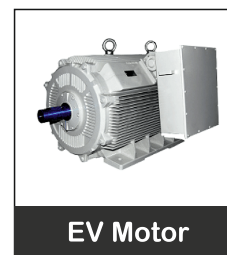
- HT Motors (2 to 24 Poles up to 25 MW)
- DC Motors (IEC frame up to 710)
- Flame Proof Motors (Zonel, Zone 2)
- Crane Duty Motors
- Brake Motors
- Inverter Duty Motors
- Cooling Tower Motors
- Slipring Motor
- VVF Drives



IE4 Motor



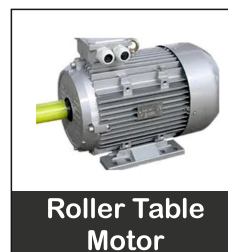
Crusher Motor



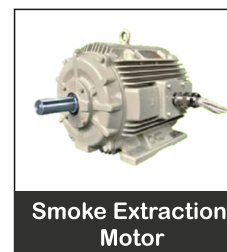
EV Motor



IE3 FLP Motor



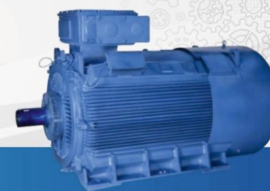
Roller Table Motor



Smoke Extraction Motor



Authorised Channel Partner
For BHARAT BIJLEE Motors



VVF Drives



FDU / VFX



Flowdrive



TSA Softstarter



MSF Softstarter



VSR



Shaft Power Monitor



VSX



VSM



VSE



VSS



HMI & PLC



Drive Panel

SN SERIES

- Dimensions as per International standard ISO 113.
- Simple construction, Hollow base with one Rib.
- Only Felt seal can be used.
- Suitable for Light load and moderate speeds
- Grease lubrication, like in Conveyors.
- Suitable for shaft Sizes: 20 mm to 140 mm.



SNA SERIES

- Enhanced version of SN series makes it better design.
- Provision for drain plug.
- Base with one thick rib and round corners for dowelling. Four types of seal can be used: Felt seal (TC), Four Lip seal (TL), V Seal (TA) & Labyrinth seal (TS).
- Suitable for comparative heavier load and speed, Grease lubrication, like in conveyor and light fan application.
- Suitable for shaft Sizes: 20 mm to 140 mm.

SNH SERIES

- Versatile design with flat base, and sides, provision for oil inlet, drain plug, connection for vibration and temperature probe.
- More sturdy base with crossed rib at centre & two ribs at sides, give more load carrying capacity.
- All four types of seal can be used, TC, TL, TA, TS.
- Taconite seal can also be used.
- Suitable for Higher load and speeds Grease & Oil lubrication, heavier application having vibrations.
- Suitable for shaft Sizes: 20 mm to 140 mm.



SNL SERIES

- Latest and universal design having all features of previous series; added with flat base, and sides, provision for oil inlet, drain plug, connection for vibration and temperature probe.
- More sturdy base with crossed rib at centre & side ribs, increased load carrying capacity.
- All five types of seal can be used, TC, TL, TA, TS, Taconite seal can also be used.
- Suitable for Heavier load and speed; Grease and Oil lubrication, best choice for application with temperature, vibrations, like in industrial fan.
- Suitable for shaft Sizes: 20 mm to 140 mm.



SAF SERIES

- SAF series is suitable for heavier radial load and shock load.
- It has extra heavy base.
- Normally Triple Seal (LER) is used. For dusty environment Taconite seal (TER) is used.
- Suitable for Very Heavy load and severe application like Cement and steel, used with Grease lubrication.
- Suitable for shaft Sizes: 20 mm to 200 mm Note: SAF series is an inch series design and shaft sizes in inch is normally available.



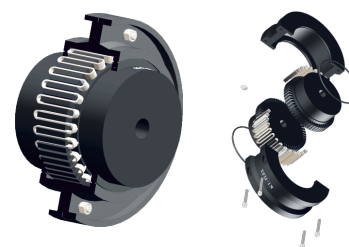
Cardan Shaft



Gear Couplings



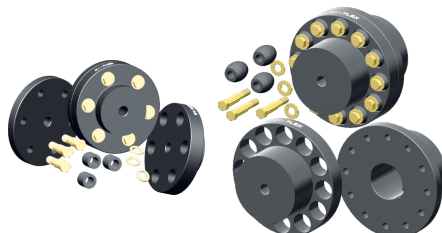
Resilient Gear Couplings



Multi Disc Couplings



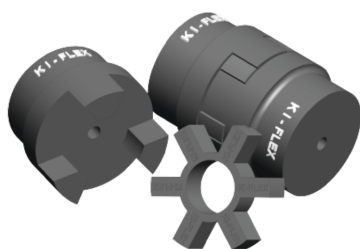
Pin Bush Coupling



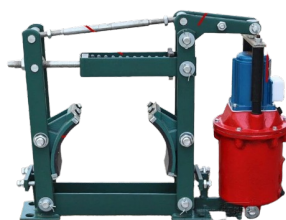
Brake Drum Coupling



Jaw Coupling



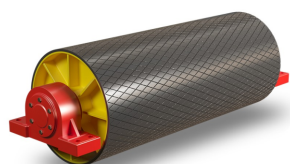
Hydraulic Thruster Brake



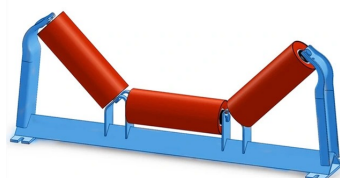
Vibrating Motor



Head Pulley



Idlers & Frames



Spiral Jaw Clutch Coupling

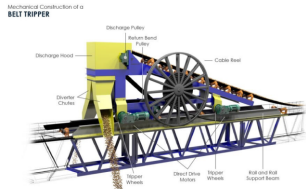


WE ALSO DEALS IN BELOW PRODUCTS

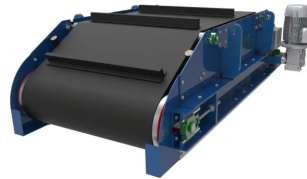
Vibrating Screen



Tripper Conveyor



Magnetic Feeder



Girth Gear



Roller Screen



Weigh Feeder



MCC PCC Panel



Magnetic Pulley



High Angle Conveyor System



Pumps



Centrifugal Pump



Diaphragm Pump



Electromagnetic Pump



Screw pump



Piston Pump



Progressive Cavity



Jet Pump



Mixed Flow Pump



Gear Pump



Axial Flow Pump

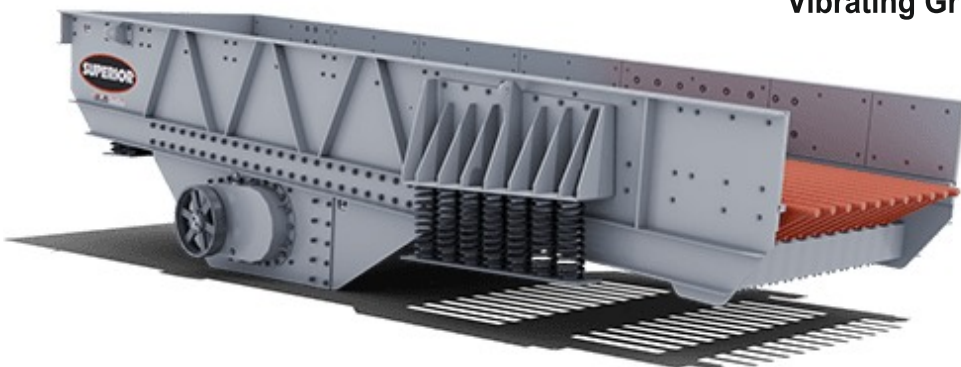


Plunger Pump



Valveless Pump

Vibrating Grizzly Feeder



Electrostatic Precipitators

The electrostatic precipitator with its countless possible applications is to date the most economical method for the dedusting of gases. Firstly, it requires little energy compared to other systems and secondly, the maintenance and spare parts costs are very low. In addition, the lifespan of an electrostatic precipitator usually exceeds the upstream production equipment such as furnaces, boilers and mills.



Catalytic Gas Cleaning

Since 1988, ELEX has been supplying catalytic gas purification systems such as the Denox system. This can reduce NO_x, dioxin and furan, hydrocarbons as well as ammonia to meet the world's most stringent standards. Best of all, no residues are produced that need to be disposed of.



Evaporative Coolers

Evaporative coolers are particularly used in the cement industry, but also in other industrial sectors. By injecting water, the flue gas temperature is reduced to the necessary level for electrostatic precipitator operation and other system components. The flue gas volume is reduced and the specific dust resistance is lowered.



Hybridfilter

Thanks to the synergy resulting from the combination of a practically maintenance-free electrostatic precipitator with a bag house; very low clean gas dust values can be achieved at low energy costs. Our concept is especially designed for the conversion of existing electrostatic precipitators, so the existing casing and the first field of electrostatic precipitators can be reused.



Bag Houses

ELEX specializes in converting existing electrostatic precipitators into bag filters. Bag filters are characterized by their insensitivity to short-term operational problems in the production system. ELEX offers reverse air filters and pulse jet filters. Thanks to our many years of experience, the filter can be converted within a very short time.



OUR MAJOR CUSTOMER'S LIST

adani

एनटीपीसी
NTPC
A Maharatna Company

SARDA
SARDA ENERGY & MINERALS LTD.

JINDAL
STEEL & POWER

Shree
Cement

JSW

नालको
NALCO
National Aluminium Company Limited

सेल SAIL
स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED

HIRA
GODAWARI POWER & ISPAT

BPA
GROUP

NR
GROUP

एन एम डी सी
NMDC

UltraTech
CEMENT
The Engineer's Choice

N PCL

balco

ORIENT
PAPER

NECO
GROUP OF INDUSTRIES

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REAL™
ISPAT & POWER LTD.

MAHENDRA

G. R. GROUP OF
INDUSTRIES

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STEEL
PIPES AND STRUCTURAL TUBES

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GROUP

SIAPL

SINGHAL

ADITYA BIRLA
HINDALCO

Evonith

TATA STEEL
WeAlsoMakeTomorrow



SHiVA
GROUP

+91 98262-08620
+91 97130-55533



info@shivagr.in
admin@shivagr.in
sales.srengg@shivagr.in
www.shivagr.in



Currency Tower,
Office no 6072-6073,
6th Floor, VIP Square,
Raipur (C.G) 492001