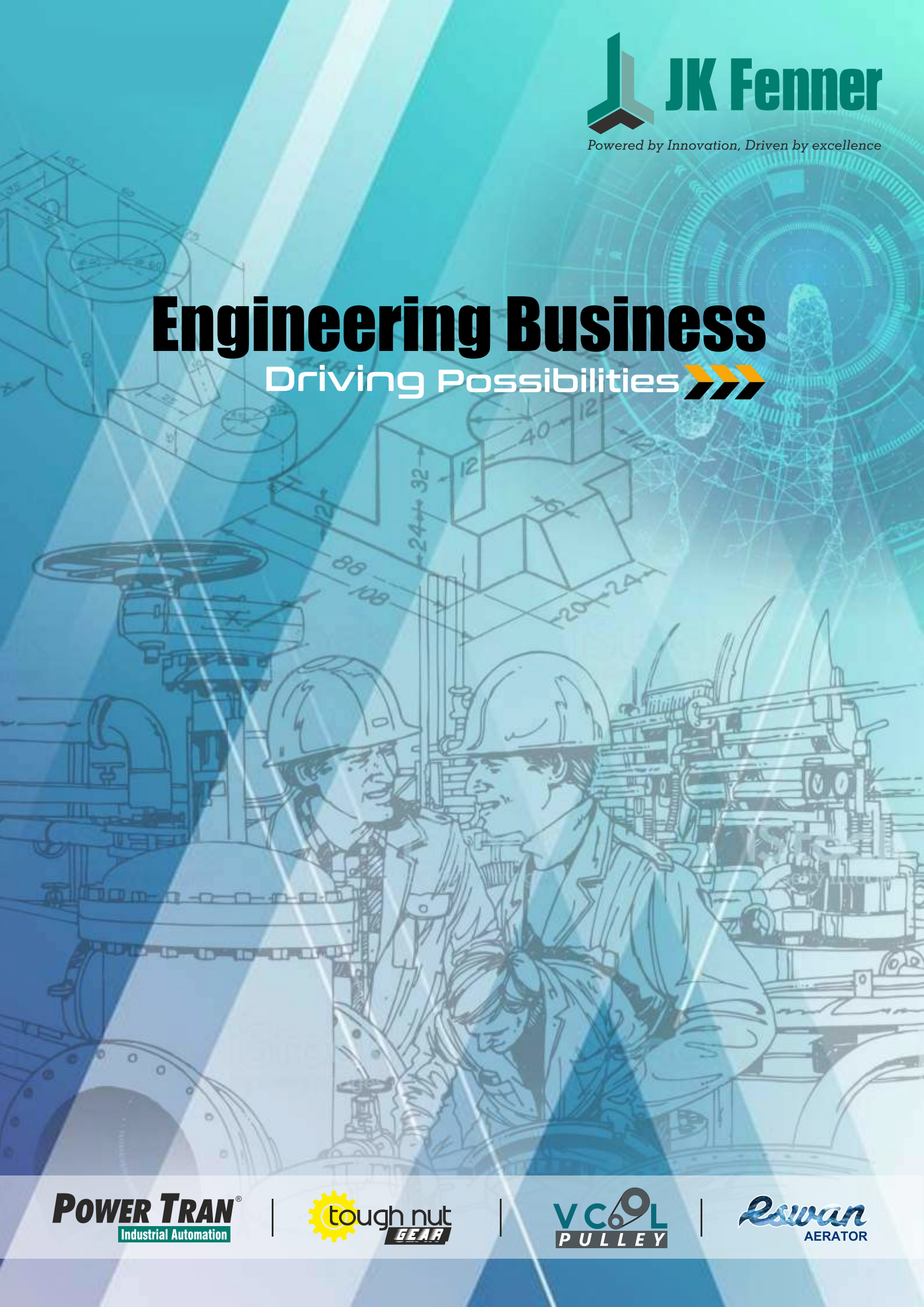




Powered by Innovation, Driven by excellence

# Engineering Business

Driving Possibilities 



# World Class Manufacturing Facilities

For over 70 years the name JK Fenner has been synonymous with the best in Mechanical Power Transmission, Sealing and Fluid Transfer Solutions. JK Fenner products, such as Transmission Belts, Oil Seals, Hoses, Pulleys, Couplings, Gear Boxes, Geared Motors, Aerators, Rubber Rolls, Belt Tensioners, Control Cables & Engine Mounts have been trusted for performance and reliability, efficiency and economy.

Today J.K, Fenner (India) Ltd is a member of the multi-crore JK Group, one of the leading industrial houses of India. This association since 1987 has put JK Fenner on the speedy growth and consolidated its position as dominant market leader. JK Fenner commenced operation in India in 1929 and put up their first manufacturing unit at Madurai in Tamilnadu in the year 1956. Currently there are 5 state-of-the-art manufacturing and 3 R&D units, situated over 5 different locations. 12 branches, and two Textile units in Karur & Salem in TN. JK Fenner has a large network of 900 Channel Partners and over 100 Application & Design engineers. JK Fenner exports to more than 50 countries globally.

JK Fenner has been maintaining highest quality standards by using the best materials available and state-of-the-art manufacturing process. JK Fenner's manufacturing facilities are ISO 9001, TS 16949 for quality, OHSAS 18001 for Health and Safety 6, ISO 14001 for Environmental protection certified.



State-of-the-art R&D Centre  
Chennai - Tamilnadu



Belts Plant  
Madurai - Tamilnadu



Belts & Oil Seals Plant,  
Patancheru -Telangana State



Oil seals Plant,  
Sriperumbudur - Tamilnadu



Engineering Product Plant,  
Pashamailaram - Telangana State



Speciality Belts Plant,  
Nilakottai - Tamilnadu

# Power Transmission Accessories

## V Cool Pulley



- ❖ Material - High grade SG Iron.
- ❖ Balanced Pulley.
- ❖ Longer Belt and Bearing life.
- ❖ Reduced energy consumption

## Taper-Lock Dual Duty Pulleys Classical V / Wedge, Poly-V Timing and HTD drives



- ❖ Dual Duty grooves to perfectly match Classical V and Spacesaver wedge belts.
- ❖ Taper Lock Pulleys for Poly-V and Timing / HTD drives.
- ❖ Caters to drives up to 200 kW with speed ratio up to 1:7
- ❖ Taper Lock - 'Shelf to Shaft'.
- ❖ Over 710 standard sizes.
- ❖ Custom-build large pulleys for higher power transmission

## HRC Flexible Jaw Couplings

- ❖ Higher power transmission and misalignment capacity.
- ❖ Withstands temperatures from -40°C to 100°C.
- ❖ 8 sizes power rating from 0.33 kW to 33 kW at 100 rpm.
- ❖ Standardized HRC plug-in Flywheel Couplings for Kirloskar, Cummins, Leyland, Ruston & Perkins engines.



## Fenaflex Plus Series Tyre Coupling



- ❖ Highly elastic, backlash free, absorb shocks and dampen vibrations.
- ❖ Choice of Tyres-Standard, Neoprene or Fire Resistant Anti-static (FRAS)
- ❖ 17 sizes-power rating 0.22 kW to 132 kW at 100rpm

## Bush Type Flexible Couplings



- ❖ Simple & compact in construction.
- ❖ Transmits torque through high tensile steel bolts.
- ❖ 26 sizes-power rating from 0.81 kW to 2069 kW at 100 rpm.

## Resilient Couplings



- ❖ Torsionally flexible providing protection against shock load, impact load and vibration.
- ❖ Transmits full torque with dampened vibration and reduce peak loads.
- ❖ Sizes: from 0.45 kW to 1307 kW per 100 rpm and bore up to 267 mm.

## Essex Couplings



- ❖ Flexible inserts cater for incidental angular, parallel and axial misalignments.
- ❖ Quick and easy installation.
- ❖ Range of Standard, External Spider and Cushion Type with power rating from 0.21 kW to 22.40 kW at 100 rpm

## Gear Couplings



- ❖ High mechanical flexibility - Curved tooth profile.
- ❖ Carbon steel forged / cast hubs with hardened teeth. 19 sizes - power rating 11.5 kW to 12700 kW at 100 rpm.
- ❖ Variants of Shear Pin, Spacer, Torsion Shaft types.

## Shaft Mounted Speed Reducer (SMSR Plus) - Helical



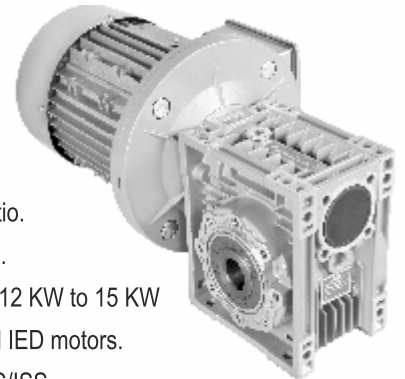
- ❖ Mounted directly on shaft. No foundation required.
- ❖ Eliminates coupling and external belt take-up arrangements.
- ❖ Options : Foot Mount / Flange Mount / Motor Mounting / Vertical Shaft Mounting / Back Stop.
- ❖ 8 sizes B, C, D, E, F, G, H and J Plus.
- ❖ Torque (O/P) - 6995 Nm at 10 RPM
- ❖ Ration 5:1, 13:1 & 20:1
- ❖ Wide choice of output speeds obtainable by use of appropriate input V-Belt drive.
- ❖ Choice of Hub bores.
- ❖ Delivers 98% efficiency per stage of reduction.

## Parallel Helical Geared Motor



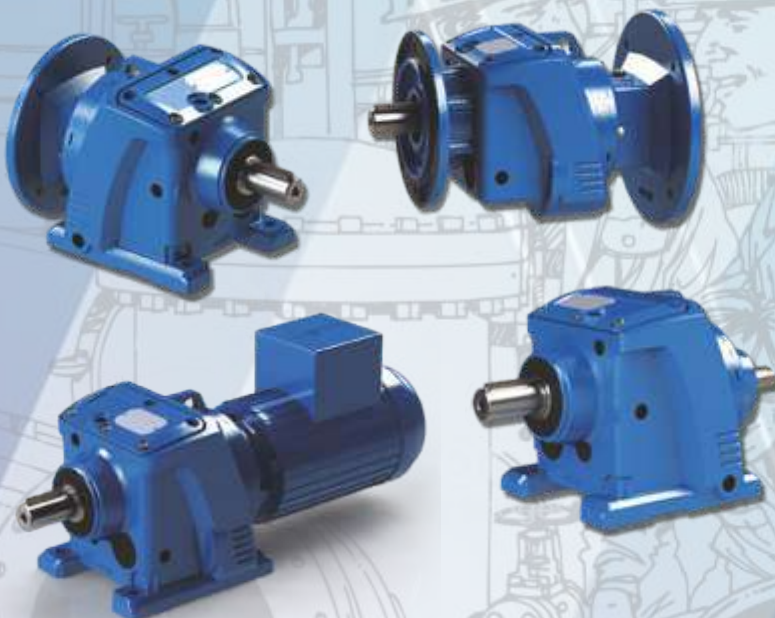
- ❖ 8 Sizes: B, C, D, E, F, G H & J
- ❖ Ratio: 5:1, 6.3:1, 6.8:1, 10:1, 13:1, 15:1, 20:1, 25:1, 30:1, 40:1, 50:1, 63:1
- ❖ Back stop assembly in the Adaptor
- ❖ Hollow output Hub with standard & alternate bore sizes.
- ❖ Compact design results in improved performance of equipment.

## Worm Geared Motor (FW Series)



- ❖ High reduction ratio.
- ❖ Flexible mounting.
- ❖ Power Rating - 0.12 KW to 15 KW
- ❖ Accepts Standard IED motors.
- ❖ Gear box with IEC/ISS.
- ❖ Lubricated for life time
- ❖ Maintenance free operation.
- ❖ Types: Worm / Helical Worm / Double worm reductions.

## In-line Helical Gear Reducer (FH Series)



## Bevel Helical Gear Reducer (FK Series)



## Power Transmission Accessories

### Vibrator Motors



- ❖ Rugged construction for tough environment. Totally dust proof air cooled design. Complies with IP55 specification.
- ❖ F-Class winding: Impervious to dust moisture and vibrations. Motor winding is vacuum impregnated.
- ❖ Terminal box connector sealed with layer of resin to prevent damage due to vibrations
- ❖ Vibrations force is adjustable from zero to maximum by adjusting position of unbalance weights provided on both sides of the motor shaft.
- ❖ Drive shaft made from alloy steel to withstand stress at high speed.
- ❖ Thermal overload protection

## Electric Motors



- ❖ Design & Performance as per IS 2615
- ❖ Product Range : 0.5 HP to 20 HP
- ❖ Choice of pole : 2P / 4P / 6P
- ❖ Mounting : Foot (B3), Flange (B5), Face (B14)
- ❖ Class of Insulation : F class
- ❖ Degree of Protection : IP55 / 56
- ❖ Motor Body : AL (up to 5 HP) / CI
- ❖ Duty Rating : S1

## Aqua Culture

### Aerators



- ❖ Direct drive
- ❖ Gear box designed with two spiral Bevel & Helical Gears
- ❖ Motor is designed with Spline Shaft
- ❖ 4-Pole induction Motor of Fenner make
- ❖ Motor power 1HP for Balancing type & 2HP for Long arm Type
- ❖ High efficiency of gear box. Compact design
- ❖ Easy to assemble during installation. Covered with close guard
- ❖ Power saving 25-30% on similar product

# Industrial Automation Product Range



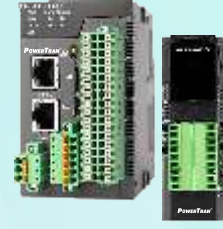
**POWERTRAN VFD**



**POWERTRAN VFD**



**ECO POWERTRAN VFD**



**POWERTRAN PLCS**



**ULTIMATE ACCESS**



**POWERTRAN IPC**



**POWERTRAN X PANEL**



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 2383802,



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