



Mangalam Engineering



Gearing industries with Gear boxes, Gear motors, Couplings...

About Us



POWER BUILD PVT LTD
Leaders in Power Transmission Solutions

Since its inception in 2005 Mangalam Engineering has been one of the pioneers in developing and supplying equipment in process industries in India. We also trade in mechanical power transmission equipment such as gearbox, gear motor, coupling & are the authorized stockist of Elecon & Radicon. We started as a small organization but with the adoption of latest technology in production as well as quality control, we have been able to provide all the needed products & services to the full satisfaction of our customers.

Our vision is to become a total solution provider for any kind of mixing, drying, gas transmission & material transmission equipment. Later in 2006, we introduced ourselves as the providers for mining equipment such as magnetic separator, magnetic pulley, tube magnets under the authorization of Electromag Devices Pvt. Ltd. Since 2009, we have started designing & manufacturing of customized drive assembly, pressure vessels, reactors, gas burners, gas transmission equipment etc.



CERTIFICATES



EON SERIES

Keeping in line with its strategy of "Gearing the Future" Elecon presents the EON Series - answer to industry needs. The EON series has been developed keeping in mind the industry requirements and offers greater flexibility and advantages and presents a wide range of Features:

- Higher torque ratings
- Foot print same as ET Series
- Suitable for numerous applications
- Various sealing options available
- Different cooling options



EXTRUDER GEARBOX

| | |
|--------------------------|---|
| Features | Vertically offset type Gear Box with FLS and inbuilt Thrust Bearings |
| Advantages | Compact in built on thrust bearing suitable to take care of heavy thrust load |
| Technical Specifications | Available in ratio range from 10 to 50 and power ratings from 4.7 kw to 1500 kw |
| Product Application | Single Screw Extruder Drive |
| Range | Available in ratio range from 10 to 50 and power ratings from 4.7 kw to 1500 kw |



SNU MODULAR UNIVERSAL MOUNTING

| | |
|-------------------------------|---|
| Underdriven | SNU-U |
| Overdriven | SNU-O |
| Verticle output shaft up/down | SNU-V |
| Hollow output shaft | SNU-SM |
| Sizes | 1 5/8, 1¾, 2, 2½, 3, 3½, 4, 5, 6, 7, 8, 9, 10.5 |
| Ratio | Min. 5 : 1 to Max 70 : 1 |
| Power Capacity | 139 kW |



ELIGN GEARED COUPLING

| Type | Size | Rating |
|-------------------------------|-----------------------|----------------------------|
| ED – With double housing | 130 to 110000 da N.m. | 0.136 to 115.19 kW per RPM |
| ER – With one end rigid | | |
| ET – With spacer | | |
| EV – For vertical application | | |
| ES – With single housing | | |



ELFLEX FLEXIBLE COUPLING

| Type | Size | Rating |
|------|-------------|--------------------------|
| EFC | 01 to 17 | 0.007 to 2.835 kW/R.P.M. |
| FC | 630 to 1600 | 3.35 to 45 kW/R.P.M. |
| FBC | 150 to 500 | 0.012 to 1.025 kW/R.P.M. |



FLUID COUPLING

| | | | |
|------------------|-----------------|--------------------------------------|-------------------------|
| Conveyors | Rotary Kiln | Travelling | GrateNodulizer |
| Apron Conveyours | Elevator Drives | Separator Drive | Bulk Materials Handling |
| Conveyor Drive | Bucket | Slew | Belt Conveyors |
| Screw Conveyors | Bucket Elevator | Stacker Reclaimer Drive Bucket Wheel | Slurry Pump |
| Agitator | Mixer | Screw Press | Digesters |
| Rotary Dryer | Feeder | Apron Feeders | Rotary Wagon |
| Ring Granulator | Roller Screen | Kernel Expellers | Tippler |
| Crusher | Roller Press | | Process Applications |



ELEVATOR TRACTION MACHINE

| | |
|-------------------------|---|
| Feature | Vertical transportation for Various Passenger Capacity & cabin speed. |
| Advantages | Vertical transportation with smooth & safe ride in highrise public residence buildings as well as commercial to match the traffic requirements. |
| Technical Specification | Various Sizes covered with 3 Passengers to 26 Passenger Capacity with cabin speed from 0.75m/s to 2m/s. with roping 1:1. |
| Product Application | Vertical transportation for passengers carrying as well as for goods. |
| Range | From 3 Passenger (204 Kgs) to 26 Passenger Carrying capacity & for goods maximum 3000Kgs. Load. |



Compact Geared Motor

Series A

| | |
|----------------|---------------------------|
| Unit Sizes | 9 Sizes |
| Input Power | Upto 11kW |
| Output Torque | Up to 2,764 N-m |
| Gear Ratios | Upto 200:1 |
| Output Options | Solid |
| Motor Sizes | IEC Frames from 71 to 160 |



Planetary Geared Motor

Series PL

| | |
|----------------|--|
| Unit Sizes | PL- 01, 02, 03, 05, 08, 12, 16, 25, 40, 65 |
| Input Power | PR- 01, 02, 03, 05, 08, 12, 16, 25, 40, 65 |
| Output Torque | Up to 90kW |
| Gear Ratios | Upto 65,000 N-m |
| Output Options | 3.6:1 to 3200:1- Single/Double Reduction IEC Frames from 90 to 200 Output shaft with keyway Hollow output shaft to suit connection with shrink disc Output shaft with external spline Output shaft with internal spline |



Helical Inline Geared Motor

Series M



| | |
|---------------|--|
| Unit Sizes | 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 13, 14, 16 |
| Input Power | Up to 132kW |
| Output Torque | Up to 20,000 N-m |
| Gear Ratios | Up to 20,000:1 |
| Motor Sizes | IEC Frames from 63 to 315 |

Right Angled Heli - Worm Geared Motor

Series C



| | |
|---------------|------------------------------------|
| Unit Sizes | 03, 04, 05, 06, 07, 08, 09, and 10 |
| Input Power | Up to 45kW |
| Output Torque | Upto 10,000 N-m |
| Gear Ratios | Upto 16,000:1 |
| Motor Sizes | IEC Frames from 63 to 225 |

Parallel Shaft Mounted Geared Motor

Series F



| | |
|---------------|------------------------------------|
| Unit Sizes | 02, 03, 04, 05, 06, 07, 08, 09, 10 |
| Input Power | Up to 45kW |
| Output Torque | Upto 10,000 N-m |
| Gear Ratios | Upto 20,000:1 |
| Motor Sizes | IEC Frames from 63 to 225 |



Right Angle Helical Bevel Geared Motor

Series K

| | |
|---------------|--|
| Unit Sizes | 03, 04, 05, 06, 07, 08, 09, 10, 12, 15, 16 |
| Input Power | Up to 132kW |
| Output Torque | Upto 50,000 N-m |
| Gear Ratios | Upto 10,000:1 |
| Motor Sizes | IEC Frames from 63 to 315 |



Shaft Mounted Speed Reducer

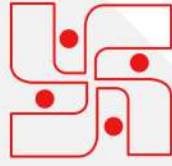
Series J

| | |
|---------------|---|
| Unit Sizes | J1, J2, J3, J5 and J7- Single and Double Stages |
| Input Power | Up to 55kW |
| Output Torque | Up to 5,000Nm |
| Gear Ratios | Up to 5:1- Single Reduction Up to 25:1- Double Reduction |



Custom Drive Solution

| | |
|----------------|---------------------------|
| Input Power | As per requirement |
| Output Torque | As per requirement |
| Gear Ratios | As per requirement |
| Output Options | As per requirement |
| Motor Sizes | IEC Frames from 63 to 280 |



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