

INDUSTRIAL SYSTEM SOLUTIONS



MOTORS



TRANSFORMERS



PROJECTS



DRIVES & AUTOMATION



MAGNET TECHNOLOGY MACHINES

MOTORS PRODUCT RANGE



LV MOTORS: SAFE AREA

Motor Type	Frame	Power (kW)
IE2 Motors	71 to 355	0.37 to 355
IE3 Motors	80 to 355	0.55 to 355
IE4 Motors	112 to 225	0.55 to 45
Large LV Motors (DCCA)	355 to 450	280 to 1250



LV MOTORS: HAZARDOUS AREA

Motor Type	Frame	Power (kW)
IE2 Flame Proof Motors	80 to 315	0.37 to 200
IE3 Flame Proof Motors	80 to 315	0.75 to 180
IE2 Non Sparking Motors	71 to 355	0.37 to 355



LV MOTORS: SPECIAL PURPOSE

Motor Type	Frame	Power (kW)
Crane & Hoist Duty Motors	71 to 355	0.37 to 400
Cane Unloader Motors	160 to 225	11 to 30
Brake Motors	71 to 132	0.25 to 9.3
Slip ring Motors	100 to 160	1.10 to 10
Textile Motors	100 to 160	1.1 to 15



MEDIUM VOLTAGE MOTORS UPTO 1250 kW



GreenStar

PERMANENT MAGNET GEARLESS MACHINES FOR ELEVATORS

Home elevator - upto 300 kg
 Passenger elevator - upto 20 passengers
 Goods elevator - upto 5 tons
 Suitable for machine-room less applications



SynchroTorq™

HIGH TORQUE MACHINES FOR DIRECT DRIVE APPLICATIONS

High efficiency
 Significant power saving
 No oil spillage and cleaning issues
 Gearbox is eliminated
 Powered by **KEB** Drives - SCL Technology without Encoder

SynchroVERT®

IE4 Motors



Winner of CII's 'Most Innovative Energy Saving Product' 2016



Super Premium IE4 class of efficiency as per IEC 60034-30-1-2014



Operates without a VFD



Line Start Permanent Magnet Synchronous Motor (LSPMSM) technology*



Remarkably short payback periods

To calculate energy saving and payback period for IE4 motor visit www.bharatbijlee.com/ie4-motors-synchrovert

*Patent Pending

MOTOR, DRIVE AND AUTOMATION SOLUTIONS



Visualisation & HMI



Controls



Drives



Motors

Bharat Bijlee's Industrial Systems product portfolio caters to a spectrum of applications and spans the machine automation pyramid.

**C6 HMI WITH LOGIC CONTROLLER
IN PARTNERSHIP WITH
KEB AUTOMATION, GERMANY**



**C6 MULTIAXIS MOTION CONTROLLERS;
C6 IPC AND C6 COMMUNICATION ROUTER
IN PARTNERSHIP WITH KEB AUTOMATION, GERMANY**



**4Q DIGITAL DC DRIVES &
STACK CONTROLLERS**



**AC DRIVES
UPTO 900 kW IN
PARTNERSHIP WITH
KEB AUTOMATION,
GERMANY**

Basic F5
Compact F5
Regenerative Drive R6 &
AFE Solutions



**GENERAL PURPOSE
AC DRIVES UPTO
75KW - BBVERT BL51
& BL52**



**SERVO DRIVES IN PARTNERSHIP WITH
KEB AUTOMATION, GERMANY**

S6 Intelligent Servo
F5 Multi
H6 Multi Axis
P6 Pitch Control
F6K



**PERMANENT MAGNET SYNCHRONOUS
AND SPINDLE/VECTOR ASYNCHRONOUS
SERVO MOTORS**



**GEARED MOTORS IN PARTNERSHIP WITH
KEB AUTOMATION, GERMANY**

Helical geared motors
Shaft mounted helical geared motors
Helical bevel geared motors
Helical worm geared motors
Geared motor with integrated
frequency inverter



INDUSTRIES



Automobile



Cement



Chemical



Metal



Machine Tool



Mining



Oil & Gas



Plastic



Power



Pulp & Paper



Steel



Textile



Waste Water



Water



Windmill

APPLICATION EXPERTISE



High speed block-type wire drawing machine



High speed CTL for corrugated board and paper cutting machine



Motor Test Bench



Continuous shear control for CTL in rolling mill



Textile machinery



Crane



High Speed Spindle



Pipe Cutting Machine



Plastics machinery



Slitter for Steel




Hydraulic Press



Pitch & Yaw Control for Wind Turbine

ALL INDIA SERVICE NETWORK

-  Regional Offices
-  Works
-  Authorised Service Centre: Motors
-  Service Centre: Servo Motors
-  Service Centre: Drives



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Bharat Bijlee Drives & Automation

Mobile App for Troubleshooting and Maintenance of Drives & Servo Motors
Download for free from Google Play Store



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Product improvement is a continuous process and technical information herein is subject to change.