



Urja Automation Systems

AUTOMATION

Product Catalogue

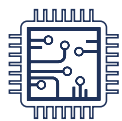
YASKAWA

Kübler
pulses for automation

Schneider
Electric



ELECTRICAL



ELECTRONICS



AUTOMATION



INSTRUMENTATION

YASKAWA

Urja Automation Systems is proudly associated with Yaskawa which is one of the world's largest manufacturers of AC Inverter Drives, Servo and Motion Control, and Robotics Automation Systems. Since 1915, YASKAWA Electric has served the world needs for products to improve global productivity through Automation.

Yaskawa business hubs are located in 31 countries around the world including Japan, and the production bases are located in 12 countries. The Company operate a Global Business which is adapted to each region's characteristics. Yaskawa is further strengthening its global footprints developing technologies on Mechatronics, Humatronics and Clean Power while retaining its core specialization in Motion Control Technology.

YASKAWA's Journey in India began with PLC busines in 1980 and AC drives Business in 1990 and steadily expanded to accommodate growing customer needs. Today, its operation spans the length and breadth of the country.

YASKAWA's service wing is equipped with a state-of-the-art repair centers at our Bengaluru and Gurugram facilities. Yaskawa has grown ever since with their team of Service and appointment of Authorised Service Centers (21 and still adding) spreading across India, to cater the Service needs of the customer "ON DEMAND".

Servo and Motion Control Solutions

Servomotors

- ▶ Rotary
- ▶ Direct Drive
- ▶ Linear

SERVOPACKs

- ▶ 200V Σ -7 Series
- ▶ 400V Σ -V Series
- ▶ Σ -7C Two-Axis SERVOPACK with Built-in Controller



AC Drives

Always One Step Ahead

Global Standard: Yaskawa AC Drives
(Range 0.1 kW to 6000 kW)

YASKAWA

With world-leading quality and technology, Yaskawa delivers AC Drives that help preserve the environment, support comfortable lifestyles, and improve the efficiency and productivity of industrial machine all over the world.



ENERGY
SAVING



Environmentally Friendly Drives

Yaskawa offers an energy efficient drive that maximizes motor performance. We also provide a variety of environmentally friendly drives, including models fully compliant with the EU's RoHS directive.

RELIABILITY



Safe and Reliable Drives

Yaskawa continues to improve AC Drive technology to minimize unpleasant electromagnetic noise, the effects of harmonic currents and noise on the power-supply line, as well as motor stress and current leakage that could result in degraded insulation or bearing corrosion. Yaskawa offers safe, reliable, and high-quality AC Drives compliant with global safety standards and loaded with a wide variety of safety features.

EASY
OPERATION



Easy-to-Use Drives

Yaskawa's technology is a product of our extensive knowledge and years of experience in various fields, giving the flexibility to respond to all your application needs.

GLOBAL
NETWORK



Global Standard Drives

Yaskawa's AC drives provide support for variety of field network systems all over the world. This feature enables flexible system construction, expansion, efficient wiring, and connection to a host PLC. Yaskawa's AC Drive comply with UL, cUL, CE, and other international standards. Multi-language support is also available.

The Kübler Group is one of the world's leading manufacturers and specialists for encoders and sensors to measure position, motion, and inclination, as well as slip rings for transmitting power, signals, and data. The portfolio of premium products is rounded off by counters, process devices, and reliable speed monitors to record and evaluate various measured variables. Founded in the year 1960 by Fritz Kübler, the family business is now led by the next generation of Gebhard and Lothar Kübler.

Incremental and Absolute Encoders

Speed measurement and position detection using Incremental and Absolute encoders.



INDUSTRIE 4.0
IIoT READY

-  Connectivity
-  Identification
-  Diagnostics
-  Adaptability

Bearingless encoders

Reliable speed measuring with magnetic sensor solution.



Linear measuring systems

Linear position and speed measurement realized with different technologies.



Shaft copying systems

Absolute positioning of the elevator car for travel heights up to 392 m.



Inclinometers

Precise and reliable detection - even in harsh environments.



Slip rings

Reliable Power, Signal, and Data Transmission with Kübler.



Signal converters and optical fiber modules

Error-free and reliable signal transmission.



Cables and connectors

The right connection technology for every application.



Displays and counters

Electronic, electromechanical or pneumatic recording, control and evaluation.



Process devices

The right solution for any conceivable application.





MEASUREMENT

- Incremental Encoders
- Absolute Encoders
- Draw Wire Encoders
- Wheel Encoders
- Motor Feedback Systems
- Linear Measurement
- Shaft Copying Systems
- Inclinometers

EVALUATION

- Displays and Counters
- Process Devices
- Safe speed monitors

TRANSMISSION

- Slip Rings
- Signal Converters
- Cables and Connectors



SLIP RING



A Slip Ring is an electromechanical device that allows transmission of Electrical Signals (Power Signals & Data Signals), Pneumatics & Hydraulics signals from a Stationary platform to a Rotating platform. Kuebler has many years of experience in slip ring design:

The Performance, Signal Quality & the Lifetime of any Slip Ring depends on Contact Type & Contact Material.

Kuebler uses Copper / Bronze contacts suitable for all Power Signals and also for Data Signals above 24 V. Silver / Precious material (Gold, Silver, Palladium) contacts is used for Data and Signal Transmission, very low voltage signals, Digital and Switching Signals, Suitable for Fieldbus and Ethernet Transmission.

Models of Slip Rings :

SR060E	SR085E	SR120	SR160
2 Data and 3 Power Channels	Up to 20 Channels	Up to 20 Channels	Up to 20 Channels
Load Capacity up to 20 A	Load Capacity up to 25 A	Load Capacity up to 25 A	Load Capacity up to 50 A
Maximum Bore Dia 25 mm	Maximum Bore Dia 30 mm		
Single Phase Transmission	Single and Three Phase Transmission	Single and Three Phase Transmission	Single and Three Phase Transmission
IP 64 Protection	IP 64 Protection		
Rotational Speed up to 500 rpm	Rotational Speed up to 800 rpm	Rotational Speed up to 300 rpm	Rotational Speed up to 150 rpm
	Pneumatic and Hydraulic Transmission	Pneumatic and Hydraulic Transmission	Pneumatic and Hydraulic Transmission
	CANopen, Profibus, Modbus etc.	Fieldbus Transmission	Fieldbus Transmission
		Ethernet Transmission up to 100 Mbps	Ethernet Transmission up to 1 Gbps

Altivar™ AC Drives

Advanced energy management and performance in motor control



Commercial Equipment

Altivar 12
0.18 - 4 kW
100 - 240 V



Basic Machines

Altivar 310
IP20
0.75 - 22 kW
380 - 460 V



HVAC & Pumps

Altivar 212
0.75 - 75 kW
380 - 480 V



Simple & Advanced Machines

Altivar 320 B/C
IP20
0.18 - 15 kW
200 - 600 V



Altivar 340
0.75 - 75 kW
380 - 480 V



Utilities

Altivar 610
0.75 - 160 kW
380 - 460 V



Fluid Management

Altivar 600
0.75 - 2600 kW
200 - 690 V



Industrial Processes

Altivar 900
0.75 - 2600 kW
200 - 690 V



Soft Starters

Simple Machines

Altistart 01
3 - 85 A
110 - 480 V



Simple Machines

**Altivar Soft Starter
ATS130**
38 - 105 A
200 - 480 V

Industrial Processes & Utility

Altistart 22
17 - 590 A
208 - 600 V



**Altistart Soft
Starter
ATS480**
17 - 1700 A
208 - 690 V



Automation Products :

- Variable Speed AC Drives, Soft Starters
- Power Supplies, Transformers
- PLC, HMI, Relays
- Photo Electric Sensors, Pressure Switches, Limit Switches, Proximity Sensors
- Harmony Control and Signaling units



Our Product Range



Urja Automation Systems



CPM-61, Central Plaza, Emaar India Ltd.
Sector 105, Mohali, Punjab - 140 307



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