



PSP GROUP

# PSP TECHNO



**TOTAL AUTOMATION  
SOLUTION PROVIDER**



**Danfoss Drives** is your **ideal partner**  
for frequency converters

**VLT® | VAGON®**



ENGINEERING  
TOMORROW

# About Us

PSP Techno Engineers Pvt. Ltd. came into existence on July 2009. The organization was established with the objective of providing high quality automation, full turnkey solution and 24\*7 service supports to the industries. Our services to customer involved design, supply, manufacturing, installation of Electrical Panels, A.C./D.C./E.C.Drives, Electric Motors, PLC, Scada, instrumentation. We also provide site installation & commissioning support, software development, training & after sales support.

**We are authorized channel partner of Danfoss for motion control products.**

PSP Techno has grown exponentially since its inception. This has been possible due to highly versatile engineers who have proven experience. Our experience in a wide variety of industries provides us with unparalleled knowledge that enables us to undertake your tough design challenges.

PSP Techno believes in delivering quality product and service on time, at a competitive price and as per customer specifications. We believe in long term relationships and total customer satisfaction. Our main aim is to provide our clients "Total Automation Solution", 24/7 service back up and to ensure clients satisfaction through service & after sales support.

**We are a group specialized in the following activities:**

- Sales, Services and Commissioning of Electrical Panels, AC/DC Drives, PLC, etc.
- Design, Manufacturing & Installation of all electrical LT / HT Panels.
- Development of PLC / SCADA software.
- Electrical Consultation for entire project.
- Repairing of A.C./D.C./Eddy Current Drives, PLC etc.

PSP believes in providing solutions that offers clients maximum benefits. We put our maximum effort to learn meticulously about the existing scenario of a client who approaches us to provide the suitable & most competitive solutions. We can offer our services all under "ONE ROOF" and at the most reasonable rates without compromising in the quality, services and backed by AFTER SALES SERVICE.

We are a total customer driven company and we strive hard to achieve total satisfaction of our customers.

# Low Power Drives



VLT® Micro Drive FC 51



VLT® Automation Drive FC 360

## VLT® Micro Drive FC 51

The smallest AC drives in the VLT® Micro Drive FC 51 series are particularly suitable for side-by-side mounting with a high integration density. The typical features of Danfoss drives are still retained.

### Compact

VLT® Micro Drive is up to 40 percent smaller than other AC drives with comparable power and built-in features.

### Protection for electronics

To ensure a long service life, the cooling air does not flow directly over the power electronics.

### Power Range

1 x 200-240 V .....	0.18-2.2 kW
3 x 200-240 V .....	0.25-3.7 kW
3 x 380-480 V .....	0.37-22 kW

## VLT® Automation Drive FC 360

The VLT. Automation Drive FC 360 drive enables precise and efficient motor control of a wide range of industrial applications such as extruders, winders, conveyors, drawing benches, ring frame, texturizing, pumps, and fans.

### Drives for Harsh Environments

VLT® Automation Drive FC 360 is a reliable, energy efficient and user friendly solution. Designed to work in harsh and humid environments, the drive provides reliable operation in industries such as textile, plastic & rubber, metalwork, material handling, food & beverage, and building materials. Its even reliable at Maximum ambient temperature of 50°C (up to 45°C without derating in normal operation)

### User Friendly

FC 360 reduces initial costs and effort with a wide range of built-in features that simplify installation and commissioning, including an EMC filter, built-in brake chopper up to 22kW, and a user-friendly graphic LCP that supports English and Chinese.

### Reduce Harmonics

A built-in DC choke reduces harmonics to less than 43% THiD, significantly extending the lifetime of the DC capacitors. Application selection guides enable users to set up common applications easily.

### Product Range

3 x 380 - 480 V .....	0.37 - 75 kW
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# Low Power Drives



VLT® Midi Drive FC 280

## VLT® Midi Drive FC 280

The VLT® Midi Drive FC 280 delivers flexible and efficient motor control for use in a wide variety of automation and machine building applications.

### Flexible. Communicative.

This medium power-range drive is strong on control performance, functional safety, and flexible fieldbus communication. Integrated functionality such as DC choke, RFI filter, Safe Torque Off (STO), and brake chopper saves you from finding space and budget to install extra components.

### Easy retrofit

VLT Midi Drive is prepared for compatibility with the VLT® 2800. Its exterior dimensions, cable plugs, cable lengths, and set-up software tools enable easy retrofit in established plant or machinery concepts.

### Easy to use

A USB port provides easy PC connectivity. The VLT® Memory Module MCM 102 option facilitates fast implementation of factory settings, and transfer of settings during retrofit.

### Power Range

1 x 200-240 V .....	0.37-2.2 kW
3 x 200-240 V .....	0.37-3.7 kW
3 x 380-480 V .....	0.37-22 kW

# Full power range drives and dedicated drives



VLT® AutomationDrive FC 302

## VLT® AutomationDrive FC 302

The VLT® AutomationDrive FC 302 is a modular drive designed to comply with all modern automation application requirements with easy configuration and a wide power range.

### Safety where it matters

The VLT® AutomationDrive FC 302 features Safe Torque Off as standard. Easily configurable options are available: SS1, SLS, SMS and SSM.

### Integrated Motion Controller

The Integrated Motion Controller software enables the VLT® Automation Drive FC 302 to run induction and PM motors in positioning and synchronization applications, both with and without encoders.

### Harmonic mitigation

Advanced active filter variants reduce harmonics to below 3% at best, and 12-pulse drives provide robust cost-effective harmonics reduction in supply applications.

### Power Range

3 x 200-240 V .....	0.25-37 kW
3 x 380-500 V.....	0.37-1100 kW
3 x 525-600 V .....	0.75-75 kW
3 x 525-690 V .....	1.1-1400 kW

### Power Range - Low harmonic drive

3 x 380-480 V .....	132-710 kW
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### Power Range - 12-pulse drive

3 x 380-500 V.....	250-1000 kW
3 x 525-690 V .....	250-1400 kW



VLT® Refrigeration Drive FC 103

## VLT® Refrigeration Drive FC 103

Dedicated to control compressors, pumps and fans for significant energy savings in refrigerating plants, whilst prolonging the service life of components.

### Improving COP

#### (Coefficient of performance)

Intelligent power adjustment increases system stability and optimizes the volumetric efficiency of the evaporator, the compressor, and the total refrigeration system.

### Refrigeration terminology

The use of refrigeration terminology allows quick and easy configuration.

### AC drive as standard

The combination of speed-controlled and mains-operated compressors enables the design of low-wear and energy-efficient systems.

### Power Range

3 x 200-240 V .....	1.1-45 kW
3 x 380-480 V.....	1.1-710 kW
3 x 525-600 V .....	1.1-7.5 kW
3 x 525-690 V.....	75-630 kW

# Electrical Panels for Total Turnkey Projects



**PSP** is one of the leading manufacturers of electrical panels. We aim to achieve complete customer satisfaction in any project, activity, or job we undertake hence we never compromise on quality under any circumstances and supply the best products at competitive prices. We focus on upgrading our facilities, technologies and range of products, in order to stay a step ahead of our competitors.



**PSP** is an electrical engineering company which always ensures customer satisfaction.

At **PSP**, We have designed and developed complete range of modern switch board & control system to cover the whole spectrum of low voltage application from main switchboard down to smallest distribution board and process panel. We are engaged in the business of details engineering and installation, testing and commissioning of electrical projects. We as a professionally managed organisation undertake the following activities :

**Activities/Services are :**

1. Supply, Installation, Testing & Commissioning of all Types
  - LT Panels (MCC/PCC/APFC/DB etc.)
  - Bus Ducts
  - AMF panels , Fully Automatic DG Syn. panels , Control and Relay Panel.
  - VFD Control Panels, PLC Based Control Panels.
  - Fully automatic instrumentation panels, BMS panels.
  - Complete building automation system.
2. Supply, Erection of Cable trays, Supports and Raceways Internal/External electrification.

We have a team of the professionals to carry out these above activities. We also offer the Maintenance services 24 hours round the clock, being carried out by the team of trained people. The customer's confidence in us is being justified by the repeated or orders placed on us.

## Full power range drives and dedicated drives



VLT® HVAC Drive FC 102

### VLT® HVAC Drive FC 102

The ideal choice for fan and pump applications in modern buildings. The drive offers maximum flexibility in installation, bus connections and control intelligence.

#### HVAC Inside

The VLT® HVAC Drive FC 102 is especially engineered for building automation with intelligent HVAC functions.

**Optimal EMC protection** Standard integrated chokes and high-quality RFI filters ensure interference-free operation at all times.

#### EC+

The intelligent VVC+ control principle enables the use of permanent magnet motors or synchronous reluctance motors with efficiency equal to or better than EC technology.

#### Power Range

3 x 200-240 V .....	1.1-45 kW
3 x 380-480 V .....	1.1-1000 kW
3 x 525-600 V .....	1.1-90 kW
3 x 525-690 V .....	1.1-1400 kW

#### Power Range - Low harmonic drive

3 x 380-480 V .....	132-710 kW
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#### Power Range - 12-pulse drive

3 x 380-500 V .....	250-1000 kW
3 x 525-690 V .....	250-1400 kW

## Soft starters



The VLT® Soft Starter MCD 500

### The VLT® Soft Starter MCD 500

The VLT® Soft Starter MCD 500 is the comprehensive solution for soft starting and stopping three-phase asynchronous motors. Integrated current transducers measure the motor current and provide important data for optimal start and stop ramps. A built-in bypass is available up to 961 A.

#### Fast commissioning

The four-line graphic display (choice of eight languages) and quick menu ensures easy and reliable configuration and read-out.

#### Load-oriented start

Adaptive Acceleration Control (AAC), adjusted to the respective load, ensure the best possible start and stop ramps in order to avoid water hammering.

#### Comprehensive protection

Phase error detection, thyristor monitoring and bypass contact overload are just a few integrated monitoring functions.

#### Technical data

Input .....	3 x 200-690 V
Control voltage .....	24 V DC or 110-240 V AC
Power .....	7.5-850 /2400* (1600A) kW

*\*"Inside delta connection"*

## Other Products



- VLT® Advanced Harmonic Filter AHF 005 and AHF 010 Active Filters
- VLT® Sine-wave Filters
- VLT® dU/dt Filters
- VLT® Common Mode Filter
- VLT® Decentral Drive FCD 300/302
- VLT® OneGearDrive®

## VACON Products



- VACON® 20
- VACON® NXP Air Cooled
- VACON® NXC Air Cooled Enclosed Drives
- VACON® NXP Common DC Bus
- VACON® NXL

# SIEMENS

## PLC, SCADA, HMI & TOUCH SCREEN



Programmable Logic Controller (PLC), or programmable controller is a digital computer used for automation of industrial processes, such as control of machinery on factory assembly lines. Unlike general-purpose computers, the PLC is designed for Multiple inputs and outputs arrangements, extended temperature ranges, immunity to electrical noise, and resistance to vibration and impact.

Programs to control machine operation are typically stored in battery-backed or non-volatile memory. A PLC is an example of a real time system since output results must be produced in response to input conditions within a bounded time, otherwise unintended operation will result.

### Product Range

- MICRO CONTROLLER LOGO
- S7 200 SMART CONTROLLER
- S7 1200 CONTROLLER
- S7 300 CONTROLLER
- S7 400 CONTROLLER
- KTP HMI SERIES
- WIN CC SCADA

# ROLLRING INDUSTRIES

## Traverse Unit & Assembly

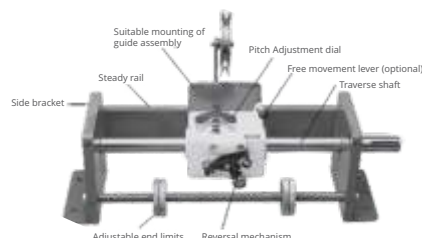


We are offering ROLLRING make Traverse Unit & Assembly which is the largest as well as the first company to produce Traverse Unit in India for the last 20 years.

17 Models of traverse units are available with axial thrust ranging from 5 kg to 280 kg and suitable for shaft dia 10 mm to 80 mm. Traverse units are available in two designs Type 1: With Three Rolling Rings and Type2 : With Four Rolling Rings.

Traverse units and Traverse assemblies are tailor made to customer requirement specifications, Spooling Machines, Coil winding machines for transformer etc., that cater to the various industries such as Wire & Cable industry, Textile Industries, Plastic Industries, Transformer Manufacturing Industries, Automobile Industries, Rubber industries, Glass/Mirror Industries, Sequential feed/ Positioning Drives, Paper/Cardboard Industries, Surface Treatment, Linear Drives, Material handling and packaging, Tyre manufacture, Measuring and Testing.

Traverse assembly consists of Traverse Unit, Shaft, Side Brackets, Adjustable Reversal End Limits, Steady Rail etc. Suitable Guide Assembly is mounted on the Traverse Unit.



# ABB

## Electric Motor



ABB is among the world's leading manufacturers of low voltage induction motors, with over 100 years of experience.

ABB motors offer unmatched quality & reliability, superior technology, faster delivery & above all "Value" for money.

### Features

- Heavy duty design
- Unique polyamide based class 'F' insulation
- Winding with high quality round enameled wires conforming to IS:13730 standards
- Optimally designed ventilation circuit on aerodynamic & acoustic considerations
- Suitable for operation with variable frequency drives for a specified speed range requiring minimal changes
- Low noise levels

### Ranges Available

- Rating : 0.25 to 675 HP
- Flame proof motors: 0.5 hp to 20 hp
- No. of poles : 2 to 8
- Frame size : 71 to 400
- Duty : S1 to S8 according to IS:325 standards
- Enclosures : TEFC
- Degree of protection : IP 55 / IP 56 (TEFC / TESC), IP23 (SPDP)
- Energy efficient motors

# Instrumentation

Find everything you need about solutions for industries

- Solenoid Valves
- Motorised Control Valves
- Two Way Control Valves
- Three Way Control Valves
- Pressure Switches
- Pressure Transmitters
- Temperature Transmitters
- Temperature Sensors
- Flow Switches
- Flow Meters
- RH+ Temperature Sensors
- Ammonia Sensors



# Our Clients



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