

TRAINING

ASC Training 2022

by Service Team , Bangalore

Yaskawa India Pvt. Ltd. conducted ASC training to all our Authorized Service Centre Engineers at YIND Service center, Bengaluru from 4th to 6th May 2022.



COMMISSIONING

MV Drive Re-Commissioning

by Harikrishnan



Medium Voltage drives (3no's) MV1S model VFD's were relocated 200kms away to a new location and commissioned successfully. System is commissioned with new PLC and updated SCADA network. These drives are installed at one of the key Oil and Gas segment customers in Southern India for Pipeline Pumping Station .

OEM DEVELOPMENT

HYPN Booster System with HV600

by Vignesh J, Brijesh P, Manohar R & Sales Team

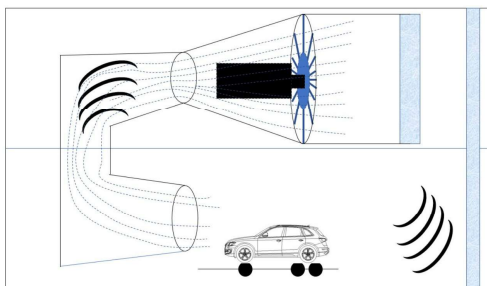
HV600 drive with network multiplexing is tested and executed in HYPN Booster System. Network multiplexing has multi-master option with up to 4 pumps operation in booster sequence without external PLC . Advanced features like equal run hours, Dual Auxiliary PID, Differential PID Feedback function, Rescue operation were also tested.



COMMISSIONING

Automobile testing Wind Tunnel

by Ajitesh J & Vignesh J



Yaskawa India and Yaskawa Automation & Drives Corp. , successfully commissioned Wind Tunnel testing facility at R&D center of one of the biggest automobile manufacturing companies of India. This project in executed with A1000 HHP Regenerative Converter Modules (1350kW). This wind tunnel facility can produce wind speeds up to 175kmph in 20 seconds and also stop the fan within 20 seconds to test the vehicles in the lab.

Customer Appreciation

"Service & Technical support extended by M/s Yaskawa India Pvt. Ltd. is excellent and would recommend YASKAWA drives in our future projects"
 - IOCL

"The IP54 panels with air-conditioned and excellent ambient temperature of GA700 makes sure there is no breakdown due to overheat of drives"
 - Shyam Steels

"In light of your impeccable service, we would like to continue our association with you for the years to come"
 - HFCL Limited

Q1 FY2022
 Engineer with highest Excellent feedback from customer (100% feedback score)



HARIKRISHNAN

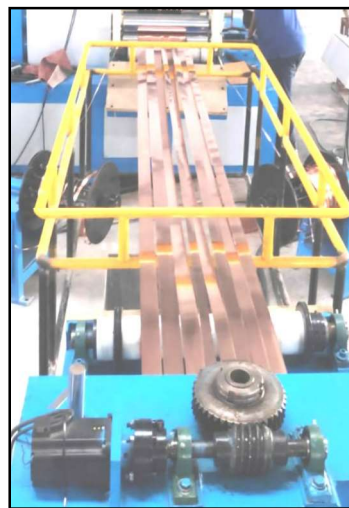
APPLICATION DEVELOPMENT

Copper Slitter Machine with MP Controller, Sigma 5 and GA700

by Sahil Malwanker



Yaskawa India Pvt. Ltd. has commissioned a copper slitter machine to synchronize the external axes with our Sigma-V Servomotor 'Cutter Axis' using analog Input with MP2300 and JEPMC-AN2900 (external analog input) card on Mechatrolink-II Communication network protocol. The machine is commissioned with an accuracy of +/- 0.5mm for slitting and the speeds of the external Axes are maintained by establishing the cutter as the Master Axis. Speed control method used by the SERVOPACK in the Cutter Axis ensures uniform cutting process of the thicker copper sheets into smaller copper slits. Once the copper sheets are cut into slits, they pass through guideways to ensure proper coiling of the slits into uniform rolls of 50mm width. GA700 VFD helps in de-coiling the copper sheet into the slitter machine. All the VFD's and Servopacks are synchronized to achieve smooth operation and equal slits which are wound into the roll.



ABOUT NEWSLETTER

"Technical Newsletter is a collection of DMC Technical activities, New developments, Major commissioning activities, Key Retro-fit of Servo products & VFD, Trainings and other key events .

This document provides insight of technical information across YIND and Business Partners on quarterly basis."

- Volume 1 (Feb '22) Printed and Circulated
- Volume 2 (May '22) Current Edition

Pradeep Kumar A
 HEAD — After Sales and Support

OEM DEVELOPMENT

U1000 Matrix Drive in Escalators

by Vignesh Jagaraj



U1000 matrix drive also helps in achieving unity power factor at full loads which helps in reducing the losses. The regenerative capabilities of U1000 mean that all energy lost in the form of heat in standard VFDs can now be utilized by the grid and help in reducing energy consumption. Eco Mode with commercial grid synchronization function also minimizes energy consumption drastically.

U1000 Matrix Advanced Technology drive is used as a solution by one of the biggest escalator OEM's of India . Escalators have higher regenerative energy production. No braking resistors or braking units are required with U1000 Matrix Drive. Matrix technology also allows to mitigate the harmonics produced by a standard VFD and provide 5% or less ITHD at input side in compliance with IEEE-519 standards.



COMMISSIONING

ID Fan with A1000 HHP 690V , 500kW for Cement

by Yogeshwara S

Yaskawa A1000 HHP 690V Panel — successfully commissioned at one of the major cement factories in North Karnataka for Fly Ash Dryer project. ID fan motor rated for 500kW with 690V system was executed for boiler in this project. Additional GA700 is also supplied for various pumps across the plant rated from 2.2kW to 55kW.



TRAINING

Training to Yaskawa Bangalore D&M&C production team

by Mrutyunjaya V



Yaskawa Production Team at Bangalore office have spent a day at Service Center . Basic introduction to VFDs and product overview was given to them. The production team is able to observe and understand the application of the VFDs in various industries in practical applications in different processes.

INDUSTRIAL VISIT

College Students Industrial Visit

by Service Team

Yaskawa India Pvt. Ltd. has provided an Industrial visit training opportunity to students from various engineering colleges from southern region of India. Students were able to observe and analyze the operation of VFDs, Robots and their process .



COMMISSIONING

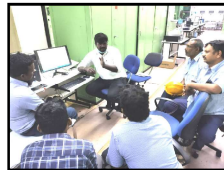
GA700 VFDs at Cement Factory Power Plant

by Mihir Babul



At one of the largest cement plants power division in western part of India , we have successfully commissioned various fans and pumps with GA700 VFD ranging from 2.2kW to 110kW

Customer Trainings



COMMISSIONING

Rubber Tyre Gantry Crane

by Anil S & Bigyan M

Yaskawa India Pvt. Ltd., along with Yaskawa Automation & Drives Corp. division commissioned Rubber Tyre Gantry Crane at one of India's largest shipping ports. PLC program is developed with CP-215 along with A1000 VFDs to provide Anti-sway function in hoist, cross travel and long travel process. This crane is also incorporated with advanced system features such as SPSS, CLPS & RCMS.

