

COMMISSIONING



600m Long Conveyor

**PIPE CONVEYOR : 1200 TPH
TRANSPORT CEMENT FROM
SHIP VESSEL TO THE
PACKAGING PLANT**

Long Pipe Conveyor with GA700

by Boopathi, Manohar, Govindaraj, Muthukumar

YASKAWA GA700 series VFD was successfully commissioned in a long pipe conveyor based application spanning a length of 600m. The said VFD was programmed to share the load equally with one motor at the head and another motor in the tail end section. Both VFDs were placed 600m apart and a Profibus - fibre optic communication gateway was used to establish communication between both the VFDs and PLC (VIPA Slio). YASKAWA GA700 utilized the built in advanced open loop vector control technique to establish this operation without the requirement of any encoder feedback.



APPLICATION DEVELOPMENT

Square Bottom Paper bag Machine

by Prem C & Ajitesh Jha



YASKAWA India Pvt. Ltd. has provided technical support in development of a machine in manufacturing of Square bottom paper bags.

This machine is operated with the help of Sigma 5 series along with MP2300s MP controller to synchronize the operation.

Communication was established with YASKAWA Mechatrolink-II protocol between Servopack which allows quick and accurate winding as well as Cutting of the bags. Both winding and cutting were performed by the program developed in MP Controller VFD with operator controls provided in the HMI. The machine can produce 200 bags per minute.



Q2 : 2022-23

**Highest
Excellent Score : 93.4%
CONGRATULATIONS !**



SRIRAM SWARUP MISHRA

ABOUT NEWSLETTER

“Technical Newsletter is a collection of DMC Technical activities, new developments, commissioning activities, applications, key Retrofit of Servo products & VFD, trainings and other key highlights in the Company.

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)**
Printed and Circulated
- **Volume 3 (Aug '22)**
Current Edition

**Pradeep Kumar A
HEAD — After Sales and Support**

TECHNICAL KNOWLEDGE SHARE

CS and AL Book Volume 2

Case Story and Appreciation letter volume 2 is published with additional 80 Case Stories and 99 appreciation letters.



PRODUCTION

GA500 Production Inauguration



YASKAWA GA500 VFD production is inaugurated by Shailendra Salvi San - CEO, YASKAWA India Pvt. Ltd .
Arun Kumar San - Sr.GM, Manufacturing unit, hands over the first unit to the Salvi San.
India will now be manufacturing GA500 VFDs to cater to the requirements of customers.



TESTING

IEC Certification Test for HV600 by TUV Team

by Nandakumar, Raghunath, Mohammed Iqbal, Divya, Pritesh & TUV Team

IEC Certification witness test is performed by TUV team for HV600 VFD along with cabinet in conformance to IEC 61800-2 standards.



TRAINING

Technical Team Skill Improvement

by YEC Team, YEU Team and YIND Team

Various training and skill development programs are conducted to improve the skills of engineers and enhance the knowledge on special applications and products. The training sessions are conducted by YASKAWA Electric Corp. team, Yaskawa Europe team and Yaskawa India technical team.

- Some of the Main trainings conducted are listed out below :
- Training on lift and escalator by YASKAWA Electric Corp. (Japan)
 - Training on Ethercat protocol by YASKAWA Europe (Germany)
 - Training on MV drive AMC by YASKAWA India team
 - Training on HV600 VFD by YASKAWA India team
 - Training on Servo and MP Controller by YASKAWA India team

APPRECIATION

YEC Certificate of Achievement

YASKAWA Electric Corporation (YEC) appreciates the performance of YIND Engineers and issues the Certificate of Achievements in recognition of their outstanding performances of Mr.Harikrishnan & Mr.Vignesh in the HVAC industry and Mr.Boopathi & Mr.Reegan in the Cement industry segment.



COMMISSIONING

Master Slave configuration in Kiln

by Raghunath & Bigyan



Kilns are among one of the most critical applications in any industry.

YASKAWA was successful in commissioning GA700 VFD for dual motor Kiln application in Master Slave configuration at one of the most premium mining customers in the eastern region of India.

The kiln is 80 meters long in length and has a diameter of 4.8 meters basically used in a steel plant for iron pellets. The whole Kiln weighs 700 tons without load and is capable of processing iron pellets at a rate of 500 Tons per Day (TPD).

The VFD was remotely controlled via DCS system utilizing Profinet protocol. The master slave load sharing control was programmed in the VFD to ensure long life to the gear boxes.



TRAINING

College Students Factory Visit

by YASKAWA Bangalore Team



Various colleges like Bangalore Institute of Technology, St.Francis de Sales Degree College, Perumal Manimekalai College of Engineering, etc. visited YASKAWA D&M&C factory at Electronic city, Bengaluru.

Industrial Visit helps the students to enhance the knowledge on industrial manufacturing process and bridges their theoretical knowledge with practical applications. A brief overview of operation of robots and variable frequency drives principles are explained during the visit.

