

APPLICATION DEVELOPMENT

Double Head Automatic Pouch Packaging Machine

by Sahil Malwanker , Govindaraj, Yogeshwara



The Double Head Automatic Pouch Packing Machine is an Automatic Twin Head Form Seal Packing machine designed for space and cost saving with output of two VFFS (Vertical Form Fill & Seal) Machine.

Individual control gives independent machine setting and operation facility. The machine can be coupled with volumetric filling system as per the product requirement.

The three sections of the machine : Augur, Puller and Sealer are operated in synchronization.

This machine consists of 6 Servo Axes which are all operated by Yaskawa Sigma-7 Series inverter. The application is successfully executed with the expertise of our application engineers and servo technology. The machine was tested to operate at speeds up to 120 packets per minute for pouch lengths varying from 100mm to 200mm.

This machine also features an automatic I-Mark correction program ensuring an accuracy of +/-1mm on the output.



OEM DEVELOPMENT

Screw Compressor Motor Control

by Nandakumar



YASKAWA India Pvt. Ltd. has developed the application for one of the biggest OEMs for Screw Compressors in the southern region of India.

GA700 VFD was used to control the compressor with ideal performance and minimum kW/ton ratio.

This VFD was used to operate both Induction Motors and Permanent Magnet motors. Efficiency of system was observed to be improved by using GA700.

EXHIBITION

BOILER INDIA—2022, Mumbai



YASKAWA India Pvt. Ltd. participated in Boiler India Expo 2022 , which was held at CIDCO Exhibition & Convention Centre at Navi Mumbai on 14th,15th and 16th September 2022. We had put up our most unique solutions and latest technological advancements up on display for all the attendees to see.

The key highlight of our stall was the Hot-Standby change-over kit which proved to be a key requirement in the current industrial scenario. Attendees were impressed with the MP-controller logic developed by our team. We also showcased our IOT based solutions like Remote Monitoring Wizard and Remote Monitoring Unit technology to remotely monitor and operate the VFDs via internet. Failure detection and datalogging within the VFD was another capability put on display that resonated with many users.

Approaching towards "ONE YASKAWA" solutions, a Welding Robot was also showcased at the stall. This robot caught the eye of many industrial application developers and manufacturers. This approach helped us promote all our products as a system solution to our customers.



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)

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- Volume 2 (May '22)

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- Volume 3 (Aug '22)

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- Volume 4 (Nov '22)

Current Edition

Pradeep Kumar A
HEAD — After Sales and Technical Support

APPLICATION DEVELOPMENT

Rotary Moulding Machine

by Sahil Malwanker



YASKAWA India Pvt Ltd has successfully developed a program using Sigma-7 built-in Indexer Module (FT79) for a 3-Station Rotary Indexer Injection Moulding machine. The Absolute Encoder of the Servomotor eliminates the need of limit switches or proximity sensors. This also eliminated the need for homing sequence of the stations since the encoder position data is retained after power recycle or power loss situations.

The drive was able to accurately position the stations allowing the rubber composite to uniformly take shape in the heated mould. The rotary station movement of the machine is fully automated with the entire sequence of operation and the logic programmed inside the SERVOPACK.

Q3 : 2022-23

Highest Excellent Score : 95.4%

CONGRATULATIONS !



Nandakumar R



LEADERSHIP THROUGH INNOVATION : Annual Authorized Business Partners Meet 2022, Neemrana



YASKAWA India Pvt. Ltd. conducted the 5th Annual Authorized Business Partner Meet at Neemrana Fort on 18th November, 2022. All Authorized Business Partners in India were able to meet after a long gap of 2 years caused by the pandemic. The meet began with the visit to state of the art experience center at our newly inaugurated Manesar factory in Delhi NCR region, on 17th November 2022. The robots on display showcased the technological advancements of YASKAWA as a company. This is a first of its kind in India. The visit to the factory was followed by the journey to Neemrana Fort in Rajasthan. All partners were able to relax with the beautiful sunset visible from the fort with High tea. The evening was even more enjoyable with some traditional Rajasthani folk songs & dance performances .



The ABP meet took place on 18th Nov 2022 at Qanat Mahal in Neemrana Fort. All our partners were up and ready for the early morning group photo at the amphitheater. The meet was very successful as insights on various company updates and technical success stories were shared with all the partners. The group workshop also enabled our partners to interact with each other and offer fruitful solutions to further enhance business and LEAD THOROUGH INNOVATION.

COMMISSIONING

BS Type 12 (IP55) Solution for Chillers

by Raghunath & Pritesh

YASKAWA India Pvt Ltd has developed BS Type 12 solution (IP55) enclosure solution for one of the major chiller compressor manufacturers of India. This solution is a combined effort of our engineering team and technical team who helped in successfully commissioning the first system at Gulbarga ,Karnataka.



OEM DEVELOPMENT

Circulating Chilled Water

by Lomesh C, Arjun G & Raghunath

YASKAWA HV600 was successfully provided as a solution to one of the biggest pump OEMs in India operating in commercial building services. The first of its kind system was installed with HV600 IP55 protection class mounted on the motor. This solution allows the user to eliminate the panel in commercial installations where space is a constraint. With advanced HV600 pump dedicated functions, this solution is ideal for all OEMs working in HVAC and water segments.



TRAINING

Trainings & Seminars at Various Customer locations

by YASKAWA Team

