YASKAWA introduces packaging solutions in Automatic Case Packer Machine with MP2000 series controller along with Sigma 5 servo systems. It was successfully installed and tested with M/s Jawla Engineering which are known for manufacturing and supplying of packaging machines.

Jawla Engineering is located in Faridabad, Haryana and specializes in various types of packaging machines. The automatic case packer machine has a speed of 2 minutes per carton. Jawla engineering has given the opportunity to YASKAWA for their automatic case packer machine which is successfully installed and working at M/s GPI, Ghaziabad.

Automatic case packer machine is basically a carton packing machine used for packing of material cases with minimum use of man power. Case packer machine uses servo system for maintaining equal stock of the cases like cigarettes, tea, coffee etc. and place them inside the carton.

With YASKAWA servo product machine manufacturer is able to achieve precise control during the entire operation of the packing material and reduce wastage of material.
**Challenges:**
The Challenges were faced with the automatic case packer machine are as follows:

- Efficient solution for reducing man power.
- Achieving a speed of 2 minutes per carton from 7 minutes per carton.
- Repeatability of system.
- Efficient packing of cartons.

**Solution & Benefits:**
YASKAWA introduced its high speed motion controllers with Sigma 5 servo system which are connected on Mechatrolink-II communication to M/s Jawla Engineering to address the technical challenges for their automatic case packer machine.

- Efficient controlling of the system at high speed.
- Complete automatic and absolute system.
- Speed of 2 minutes per carton achieved.
- Increase in production with minimum man power.

**Results:**
YASKAWA provided the solution for M/s Jawla Engineering for their automatic case packer machine which is successfully installed and running at M/s GPI, Ghaziabad for the last one year. YASKAWA systems provides a smooth control along with dynamic performance of the machine and provides an increase in production and a quality product.

The system architecture consists of the following:

- **Motion Controller**: MP2300 (32 I/O)
- **HMI**: TS1070 (7 Inches)
- **Sigma 5 Servo Pack**: SGDV-5R5A11A2000 (5 Nos.)
- **Sigma 5 Servo Motor**: SGMJV-08A3A61 (3 Nos.)
- **Sigma 5 Servo Motor**: SGMJV-08ADA61 (2 Nos.)
- **Communication**: Mechatrolink-II