

FACHAUX – France

Fruit grading machine

For more than 50 years, Fachaux has manufactured and delivered machines dedicated to the fruit-growing industry. Fachaux has been specializing in fruits or vegetables grading machines, from cherry to eggplant while passing by the stone-fruits, melons, etc.



Customer need

The goal of the machine is to automatically sort fruits by weight range. Each fruit is positioned in a cup which slides at high speed on a rail. Without stop, the system needs to accurately weigh the fruit/vegetable and eject it in the requested section.

SCAIME solution

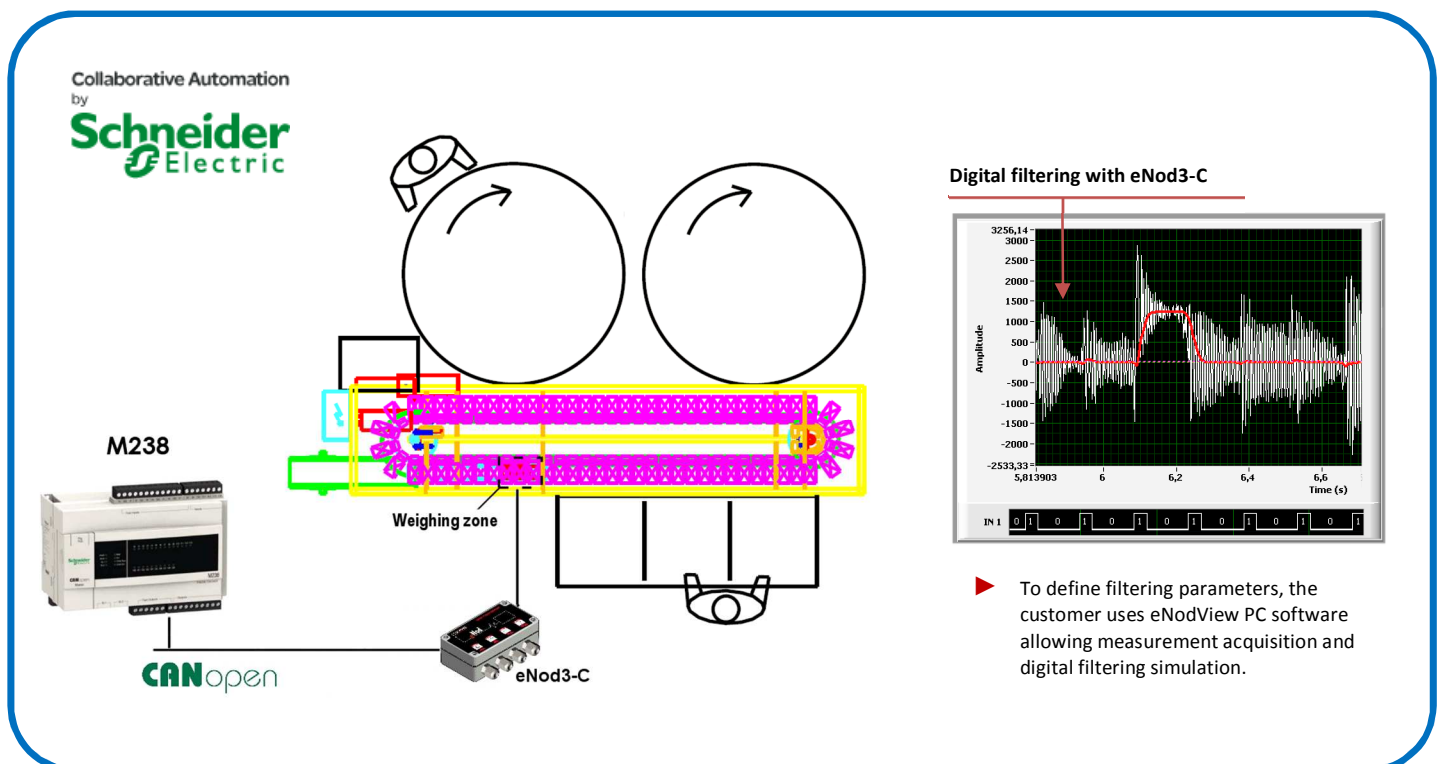
SCAIME provides a solution with Schneider Electric. In this solution, the M238 PLC takes care of general system controlling. eNod3-C takes care of digital filtering and all weighing measurements and calculations. At the end of the process cycle, eNod3-C sends only the fruit/vegetable weight value to the PLC which ejects it into the requested section.

SCAIME products:

- 1 single point load cell AQ 15kg
- 1 Checkweighing controller eNod3-D on CANOpen

Automation products:

- 1 PLC Schneider Electric M238



Customer benefits

This architecture provides a high performance system, each device being dedicated to a task for which it is perfectly fitted:

- eNod3-C provides powerful digital filtering and dynamic weighing capabilities.
- The system reaches very high speed, by sorting up to 12 fruits / second, at the requested accuracy of +/-1 g.
- Communication is made easy by the use of CANopen network.