ARROW AUTOMATION

SPREADING INNOVATION

ESTABLISHMENT YEAR

- ARROW AUTOMATION WAS ESTABLISHED ON NOVEMBER 2011.

VISION

- We believe in delivering quality with professional approach.
- We are sure that the Arrow Automation will deliver one of the best projects for its customers.
- Our Vision is to be recognized as one of the most professional run , creative of new things for high speed developments.

MISSION

- Arrow Automation deploys well-engineered automation solutions through mass customized technologies and system for the Global needs of its customers.
- Arrow Automation will achieve explosive growth in this business through its core values of growth and spirit of partnership.

INTRODUCTION AND PRIME FOCUS

- Arrow Automation has young, dynamic, unique and broad minded engineers with innovative ideas & hope to ensure 100% triumph.
- Arrow Automation company, pioneers and leaders in manufacturing of Jigs & Fixtures, special purpose machines, assembly lines, etc.
- This company caters to various customers in the field of automobile, Auto component manufacturers.

GOALS AND OBJECTIVES

- To create and sustain strong belief among the customers.
- To improve & maintain quality of our products & services.
- To eliminate non value adding activities at all areas of operations.

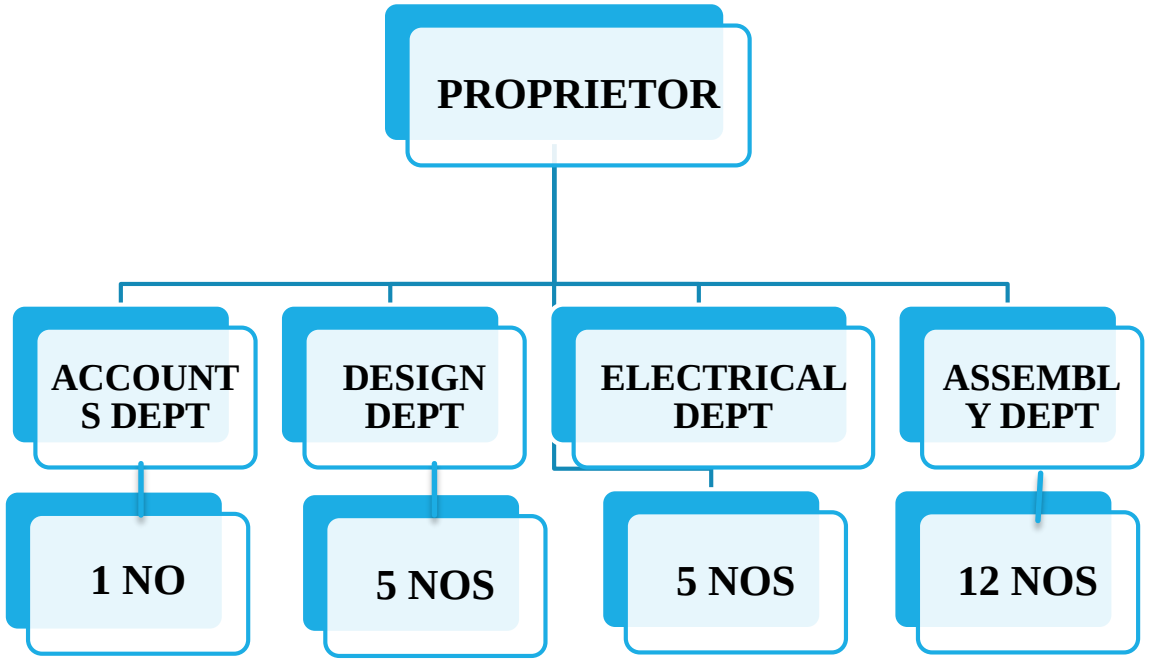
OUR CAPABILITIES

- **DESIGN**: Auto cad, Solid Works, Pro-e, Catia and Ansys.
- **CONTROLS**: Plc based, Pc based, Servo and Stepper Controls etc…
- **PLC'S**: Mitsubishi, Messung, Siemens, Allen Bradley etc…..
- **SYSTEM**: Hydraulics, Pneumatics, Hydra pneumatics Electro pneumatics, Stepper and Servo System.

PRODUCTS

- Jigs & Fixtures.
- Sub- assembly lines.
- Vision Systems.
- Leak testing machines.
- Special purpose test rigs.
- Special purpose pressing machines.
- Assembly lines.
- Special purpose Welding machines.

ARROW AUTOMATION ORGANISATION CHART



ARROW AUTOMATION MACHINE DETAILS

MACHINE NAME:	QUANTITY:
Pillar type drilling machine	- 1 NO
Air compressor	- 1 NO
Hand grinding machines	- 4 NOS
Hand drilling machines	- 3 NOS
Grouting machine	- 1 NO
Jig saw machine	- 1 NO
Cut of machine	- 1 NO
Portable welding machine	- 1 NO
Surface table	- 1 NO
Vernier height gauge	- 1 NO
Vernier caliper	- 2 NOS.
Dial stand	- 1 NO
Slip gauge box	- 1 NO

FOR CYLINDER BLOCK

- Crank room, blow-by passage, oil ways, water ways and oil ways continuity leak check

- Liner press, cam bush press, welsch plug press, oil plug press, oil seal press etc

FOR CYLINDER HEAD

- Combustion chamber, Fuel ways, Air ways, Oil ways, Water ways and Oil ways continuity leak check

- Valve seat and guide press, Welch plug press, Oil plug press, Oil seal press etc…..

TESTING LOOP

- Conveyors
- Pallets
- Control system
- SCADA with data acquisition
- Automatic indexing tables
- Rework entry station
- Air leak testing station
- Oil filling station
- End of line inspection Machine
- Rework station
- Unloading station

ARROW AUTOMATION CUSTOMERS

- AISIN AUTOMOTIVE HARYANA PVT LTD
- Aisin Automotive Karnataka Pvt Ltd
- CATALER INDIA AUTO PARTS PRIVATE LIMITED
- Dover India Private Limited
- EMMVEE SOLAR SYSTEM PVT LTD
- Faurecia Emissions Control Technologies India Pvt. Ltd.
- Toyo Corporation-India Branch Office
- Toyota Industries Engine India Pvt Ltd
- Toyota Kirloskar Auto Parts Pvt Ltd
- Toyota Kirloskar Motor Pvt Ltd
- Toyota Tsusho India Private Limited
- VOLVO CE INDIA PRIVATE LIMITED

SPECIAL PURPOSE AIR LEAK TESTING MACHINE

(Customer – EMMVEE SOLAR)

SPECIAL PURPOSE 8 TON HORIZONTAL PRESSING MACHINE

(Customer – EMMVEE SOLAR)

SPECIAL PURPOSE END CAP PRESSING MACHINE
(Customer – EMMVEE SOLAR)

SPECIAL PURPOSE SHEET ROLLING MACHINE (Customer – EMMVEE SOLAR)

SPECIAL PURPOSE TWO TORCH AUTO ROTARY WELDING MACHINE
(Customer – EMMVEE SOLAR)

SPECIAL PURPOSE SEAT TESTING MACHINE WITH DATA ACQUISITION SYSTEM

(Customer – HARITA SEATING SYSTEM – HOSUR)

SPECIAL PURPOSE ADOPTER TRANSFER AIR LEAK TESTING MACHINE

(Customer – TOYOTA INDUSTRIES ENGINE INDIA PVT LTD)

SPECIAL PURPOSE CONVEYOR

(Customer – TOYOTA KIRLOSKAR AUTO PARTS)

‘V’ BENDING MACHINE

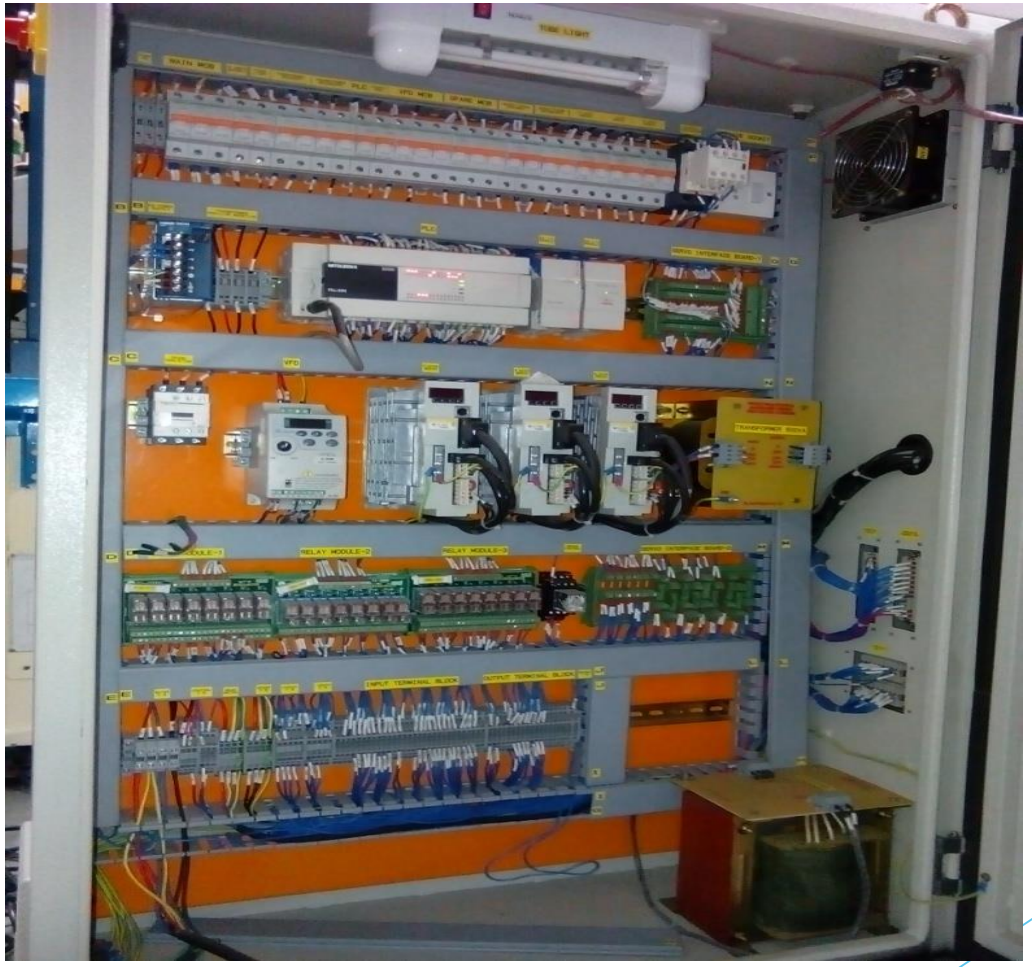
(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

INSPECTION TABLE

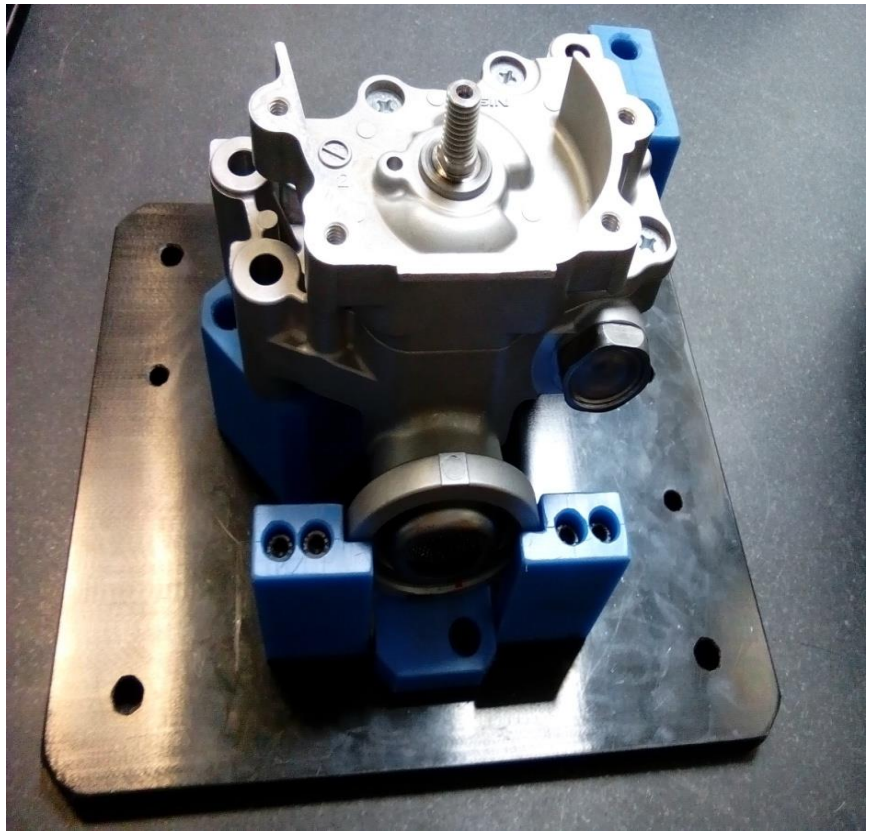
(Customer – TOYOTA INDUSTRIES ENGINE INDIA PVT LTD)

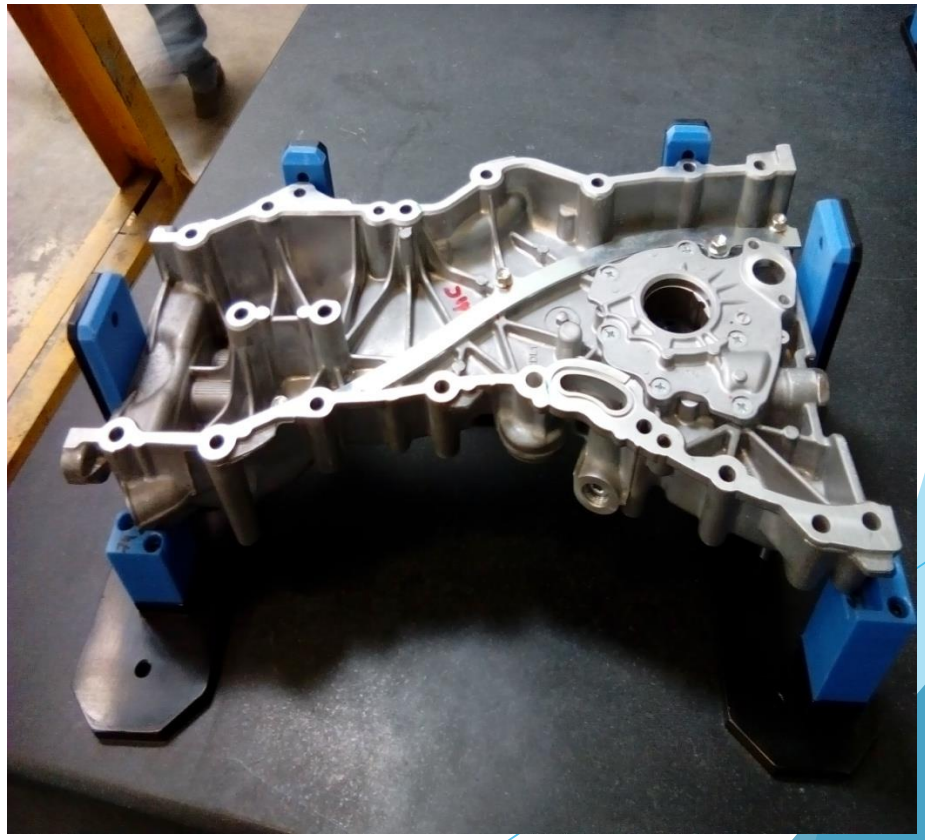
4 AXIS THIMBLE ROD WELDING MACHINE (Customer – IFB AUTOMOTIVE)

PLC WITH SERVO SYESTEM



COMPONENT HOLDING JIGS & FIXTURES
(Customer – AISIN KARNATAKA)





Torque Tightening jig

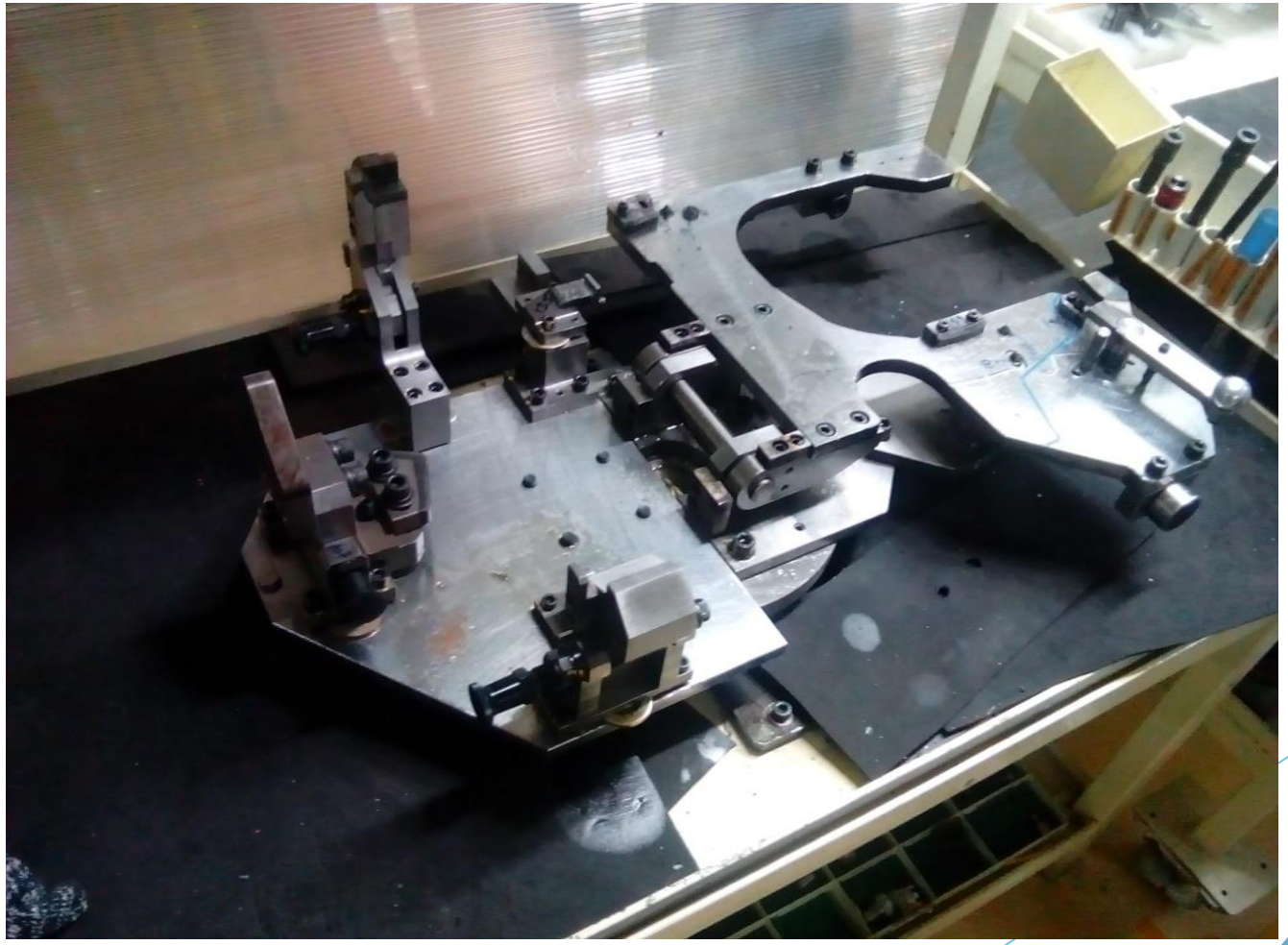
(Customer – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

ROTOR PRESSING MACHINE

(CUSTOMER –TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

TRANSMISSION ASSEMBLY PALLETS

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)



65 METERS REAR AXEL MATERIAL HANDLING SYESTEM

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

REAR AXEL MATERIAL HANDLING SYESTEM (LIFTING TACKLE)
(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

REAR AXEL MATERIAL HANDLING SYESTEM LIFTING TACKLE
(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

SEAL & COLLAR PRESSING MACHINE FOR FORK COMPONENT

(CUSTOMER – TOYOTA INDUSTRIES ENGINE INDIA PVT LTD)

TRANSMISTION ASSEMBLY LINE

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

REAR AXEL ASSEMBLY PALLETS

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

REAR AXEL ASSEMBLY LINE

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

GEAR COUNTER CHUTE

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

GEAR FIRST CHUTE

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

GEAR FIRST CHUTE

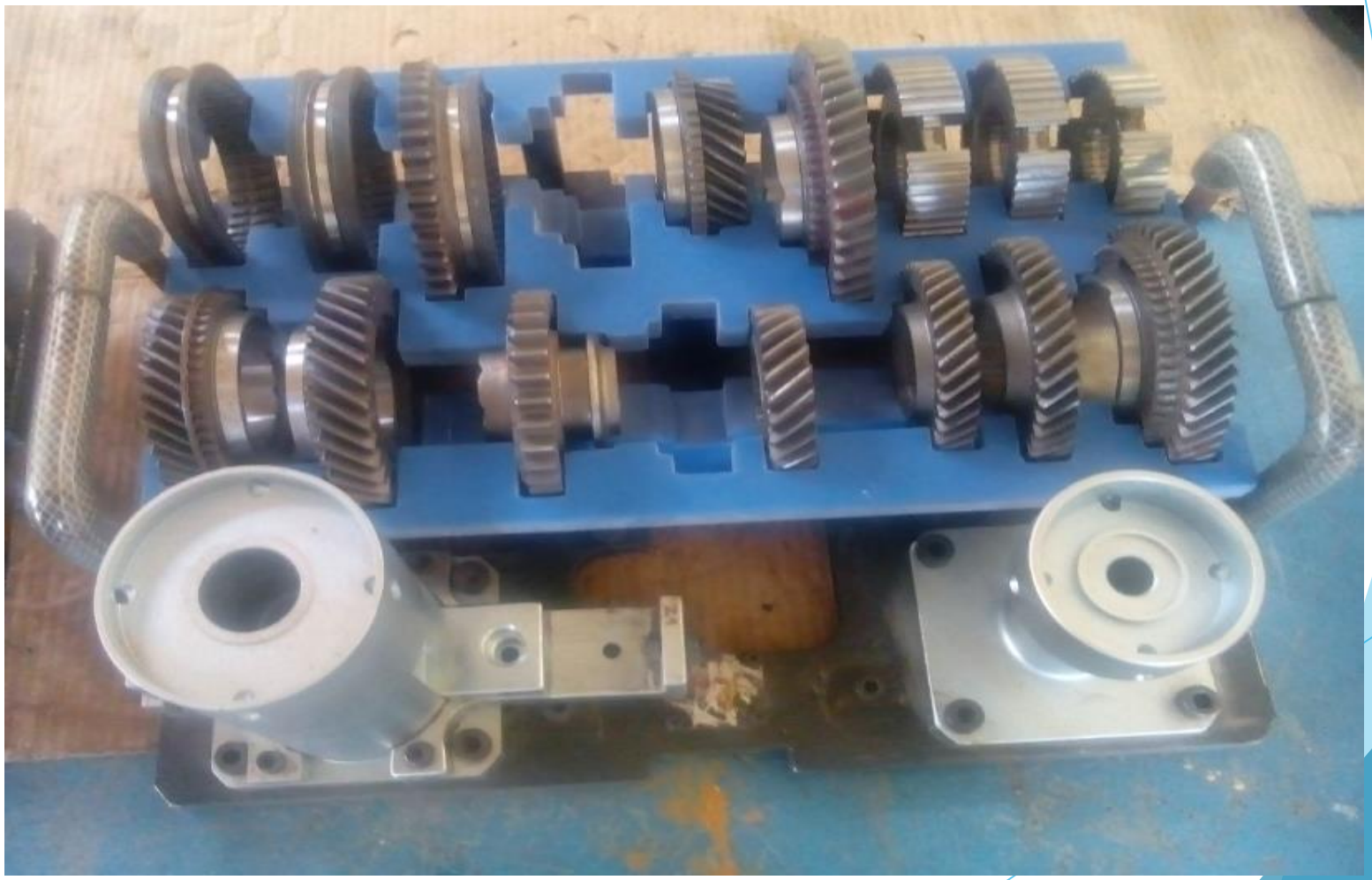
(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

PROFILER SHAFT STRAIGHTENING MACHINE JIG.

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

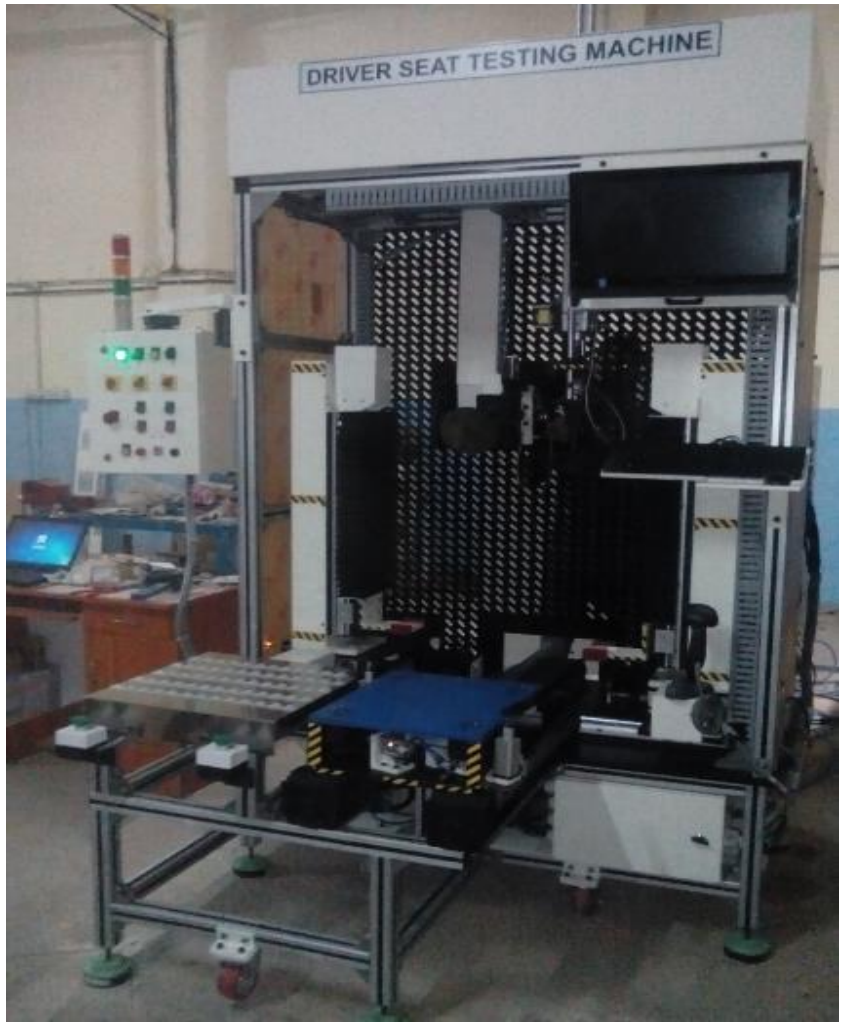
SUB ASSEMBLY GEARS PALLET

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)



DRIVER SEAT FUNCTIONAL TESTING MACHINE

(CUSTOMER – HARITA SEATING SYSTEM PVT LTD - HOSUR)



WASHING MACHINE

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

MANUAL PRESSING MACHINE

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

BUSH (&) PIN PRESSING MACHINE

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

2 STATION BEARING PRESSING MACHINE

(CUSTOMER – TOYOTA TSUSHO INDIA PVT.LTD)

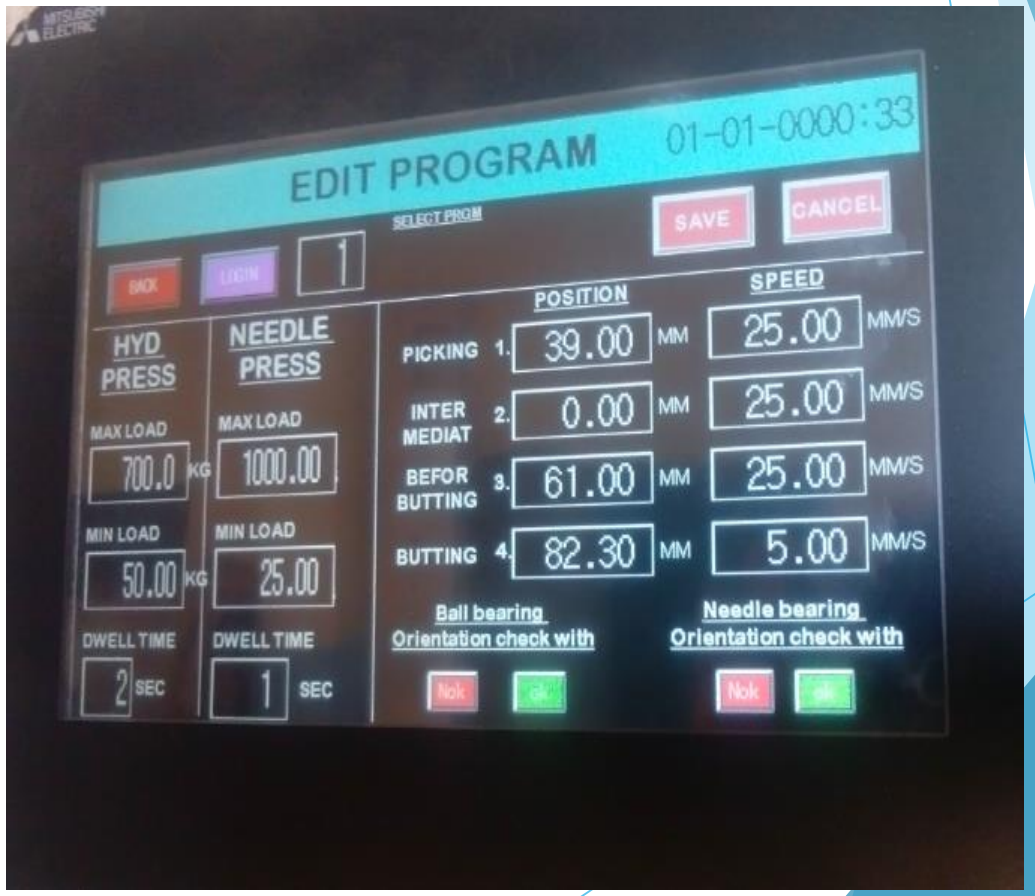
(END USER - EXEDY CLUTCHES)

A) 1 STATION – HYDRAULIC PRESSING STATION (B) 2 STATION – SERVO PRESSING STATION.
C) 4 STATION ROTARY INDEXING TABLE. D) AUTO UNLOADING UNIT.

BEARING INSERTION MACHINE WITH HMI DETAILS

(CUSTOMER – TOYOTA TSUSHO INDIA PVT.LTD)

(END USER - EXEDY CLUTCHES)



CYLIDER BLOCK DIRECT SUPPLY LINE

(CUSTOMER – TOYOTA TSUSHO INDIA PVT.LTD)

(END USER - TOYOTA INDUSTRIES ENGINE INDIA PVT LTD)

CYLIDER BLOCK DIRECT SUPPLY LINE

(CUSTOMER – TOYOTA TSUSHO INDIA PVT.LTD)

(END USER - TOYOTA INDUSTRIES ENGINE INDIA PVT LTD)

CYLIDER BLOCK DIRECT SUPPLY LINE

(CUSTOMER – TOYOTA TSUSHO INDIA PVT.LTD)
(END USER - TOYOTA INDUSTRIES ENGINE INDIA PVT LTD)

SWIVEL TESTING MACHINE

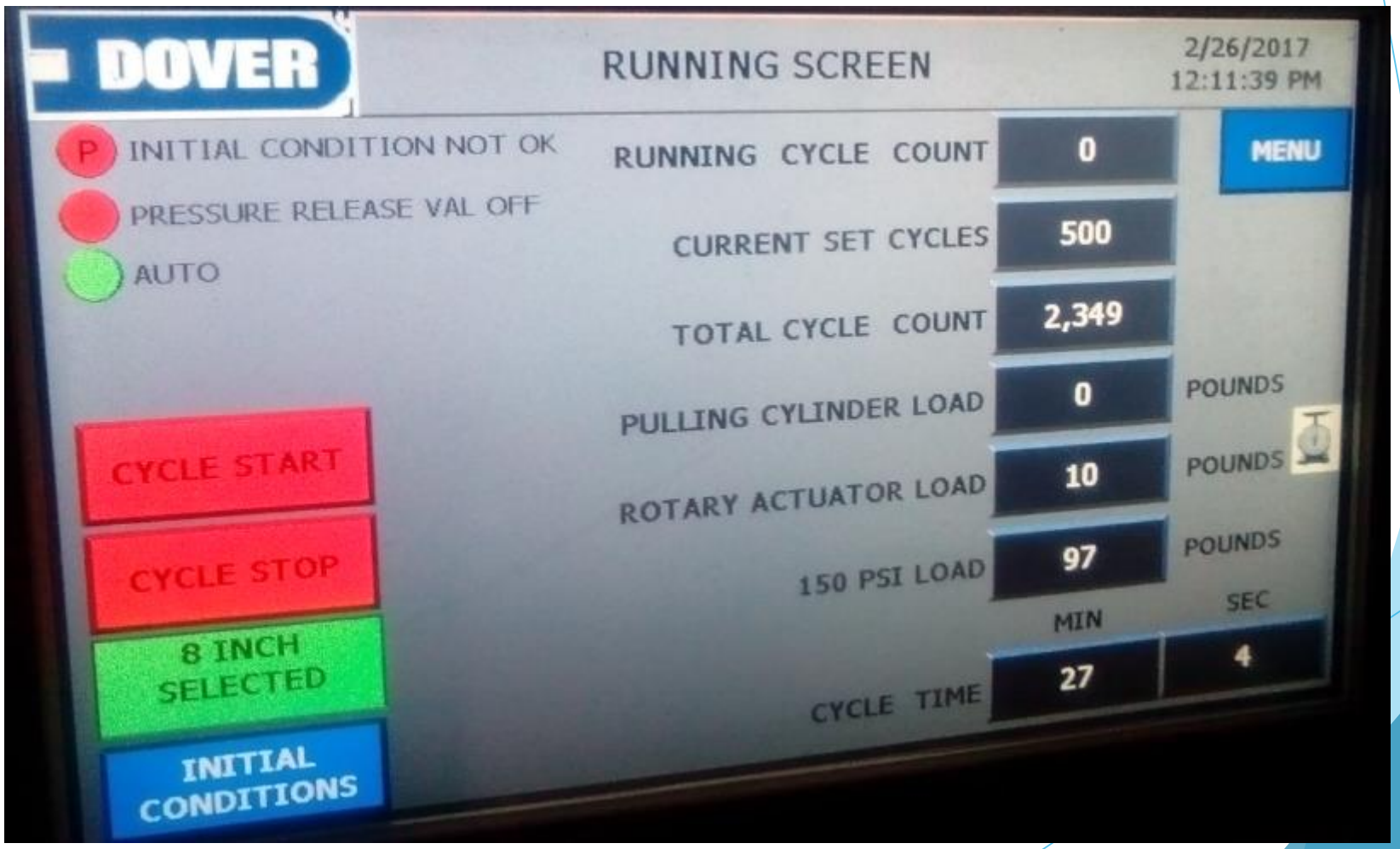
(EXPORT TO USA)

(Customer – DOVER INDIA INNOVATION CENTER)

SWIVEL TESTING MACHINE
(EXPORT TO USA)
(Customer – DOVER INDIA INNOVATION CENTER)

SWIVEL TESTING MACHINE HMI DETAILS

(Customer – DOVER INDIA INNOVATION CENTER)



2 STATION DIA METER CHECKING MACHINE

CUSTOMER – TTIPL

END USER – EXEDY CLUTCHES – NARASAPURA

DIE CHANGE OVER CONVEYOR

CUSTOMER – AISIN KARNATAKA

MANUAL CRIMPING MACHINE

CUSTOMER – AISIN KARNATAKA

SERVO CRIMPING MACHINE

CUSTOMER – AISIN KARNATAKA

CRANK DIRECT SUPPLY LINE 4 PILLAR HOIST WITH TRAVERSERS

(CUSTOMER – TOYOTA TSUSHO INDIA PVT.LTD)

(END USER - TOYOTA INDUSTRIES ENGINE INDIA PVT LTD)

CRANK SHAFT LOADER (PICK & PLACE SYSTEM)
(CUSTOMER – TOYOTA INDUSTRIES INDIA PVT.LTD)

CRANK SHAFT LOADER (PICK & PLACE SYSTEM)
(CUSTOMER – TOYOTA INDUSTRIES INDIA PVT.LTD)

CRANK SHAFT LOADER (PICK & PLACE SYSTEM)

(CUSTOMER – TOYOTA INDUSTRIES INDIA PVT.LTD)

CRANK DIRECT SUPPLY LINE

(CUSTOMER – TOYOTA TSUSHO INDIA PVT.LTD)

(END USER - TOYOTA INDUSTRIES ENGINE INDIA PVT LTD)

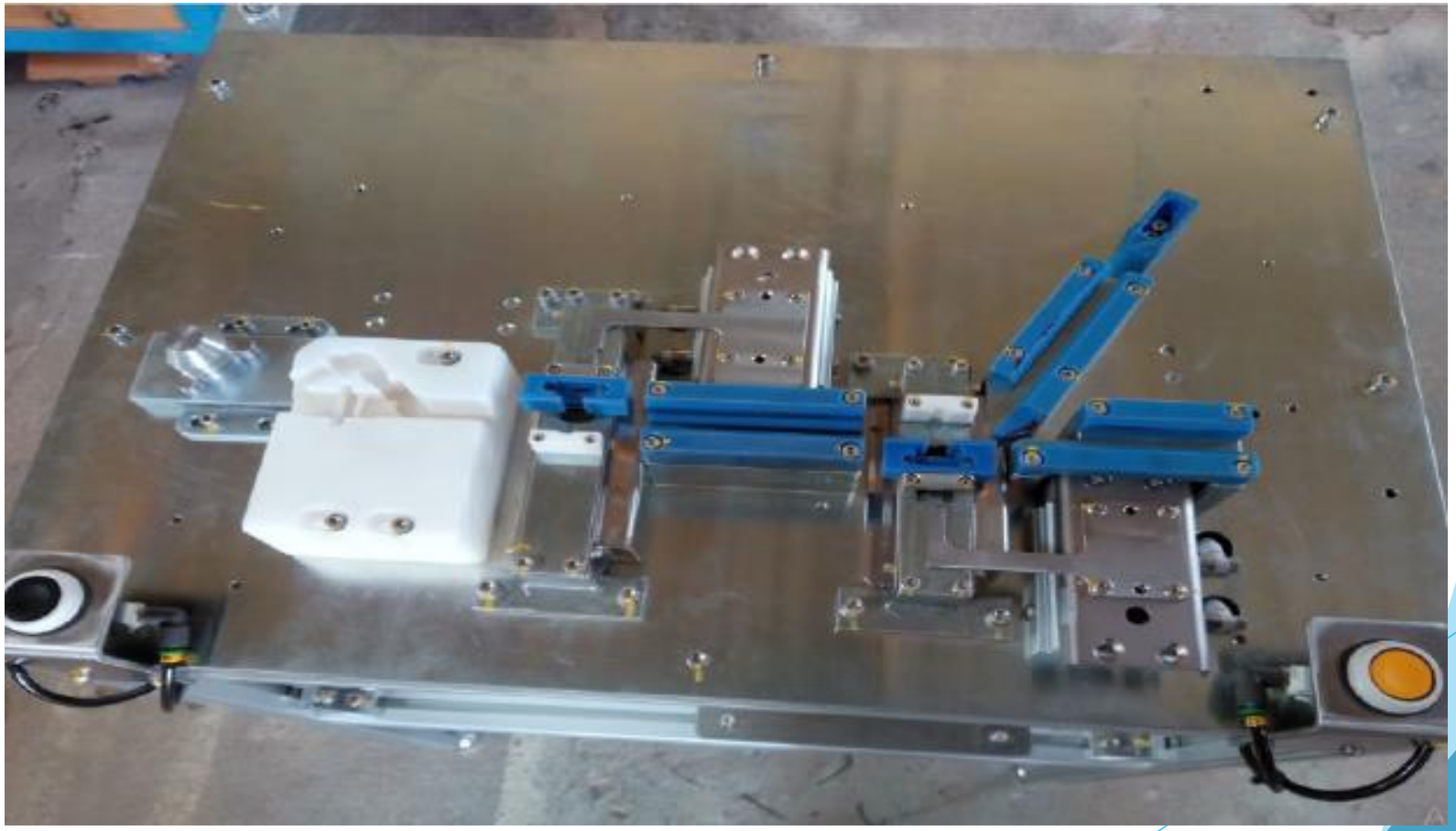
TCC COVER SCREW TIGHTENING NUT RUNNER M/C
(CUSTOMER – AISIN KARNATAKA

HOUSING SUB ASSEMBLY MACHINE
(CUSTOMER – AISIN KARNATAKA)

CRANK SHAFT BUFFER CONVEYOR
(CUSTOMER – TOYOTA INDUSTRIES INDIA PVT.LTD)

MANUAL LEAK TESTING JIG
(CUSTOMER – AISIN KARNATAKA)

CLIP BAND CUTTING MACHINE
(CUSTOMER – TOYO CORPORATION INDIA)
(END USER – DENSO NOIDA)



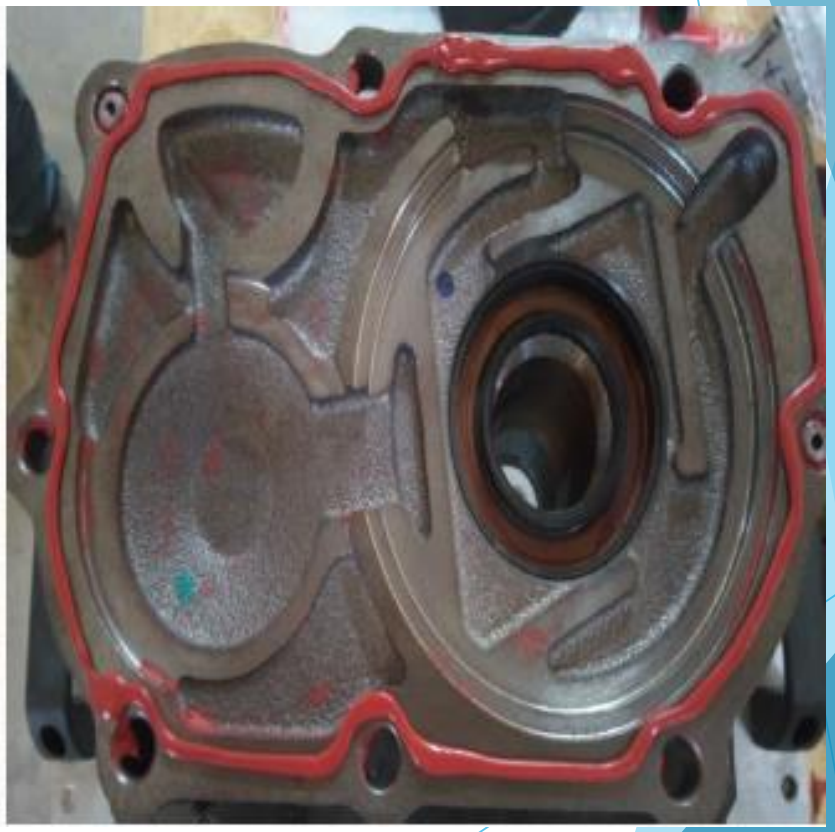
MAGNET SUPPLY MACHINE
(CUSTOMER – TOYO CORPORATION INDIA)
(END USER – DENSO NOIDA)

ICC TEST BENCH
(CUSTOMER – TOYO CORPORATION INDIA)
(END USER – DENSO HARIDWAR)

LASER MARKING MACHINE (CUSTOMER – CATALER INDIA)

MANUAL FIPG MACHINE

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)



KARAKURI LIFTER WITH GRAVITY CONVEYOR
(CUSTOMER – TOYOTA KIRLOSKAR MOTORS LTD)

ARROW AUTOMATION ASSEMBLY & INSPECTION SYSTEM

HYDRAULIC CATALIST SIZING MACHINE (CUSTOMER – CATALER INDIA)

WASHING MACHINE
(CUSTOMER – AISIN KARNATAKA)

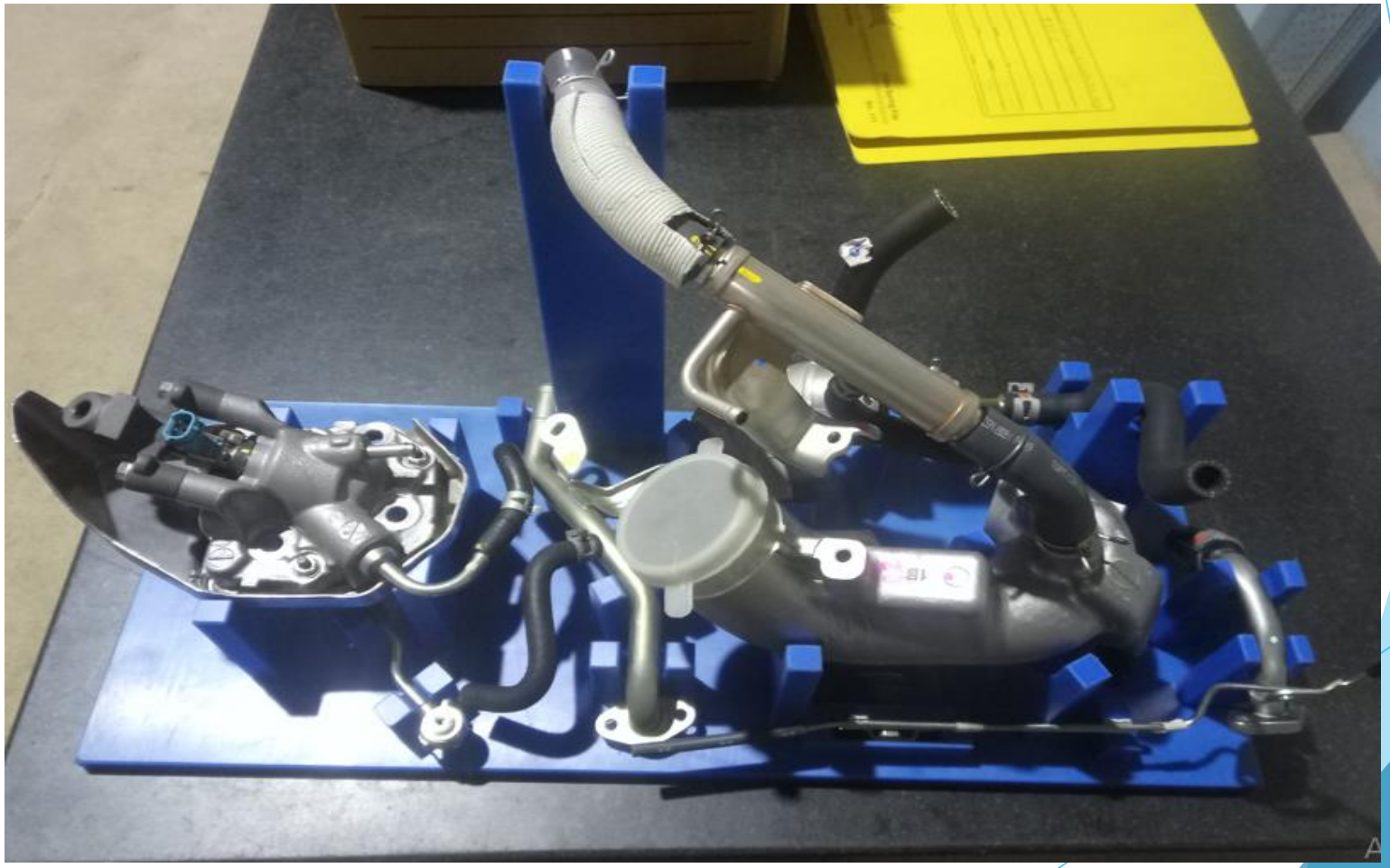
HAIZEN PALLET

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

GEAR SUB ASSEMBLY PALLET
(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

SPS PALLET

(CUSTOMER – TOYOTA INDUSTRIES INDIA PVT.LTD)



A 400 CRANK CAE LH (&) RH LASER MARKING WITH LEAK TESTING MACHINE

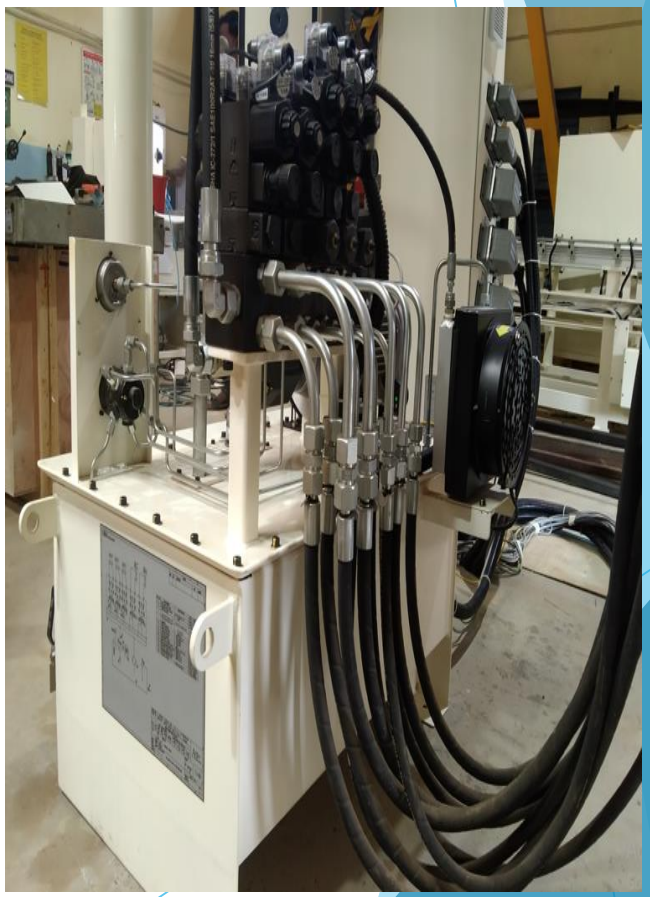
(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

A 400 CRANK CAE LH (&) RH LASER MARKING WITH LEAK TESTING MACHINE WITH CMPOMNENT

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

A 400 CRANK CAE LH (&) RH LASER MARKING WITH LEAK TESTING MACHINE OPRATOR PENDENT
(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

A 400 CRANK CAE LH (&) RH LASER MARKING WITH LEAK TESTING MACHINE PNEUMATIC, HYDRAULIC AND PLC SYSTEM (CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)



HV ASSEMBLY LINE AUTO CONVEYORS SYSTEMS ASSEMBLY PREPARATION

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

LEGO'S LINE

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

HV LINE ELECTRICAL (&) CONTROL PREPARATION
(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

HV LINE ELECTRICAL (&) CONTROL PREPARATION

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

OIL PUMP COMPONENT NUT RUNNER MACHINES

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

PART TRANSFER SYSTEM (GONDOLA)

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

GONDOLAS WITH DIFFERENT TYPES OF CONVEYORS

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

CONVEYOR WITH LIFTER AND COLOR CODE SYSTEM FOR CONVEYORS

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

HV LINE CONVEYORS ASSEMBLY

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

MG LINE CONVEYORS ASSEMBLY

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

MANUAL HYDRAULIC PRESSING MACHINE
(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

GRAVITY TYPE PART PRESENTATION CONVEYOR

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

PISTON INSERTION (&) BACKLASH CHECKING MACHINE FOR DIFFERENTIAL PART

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

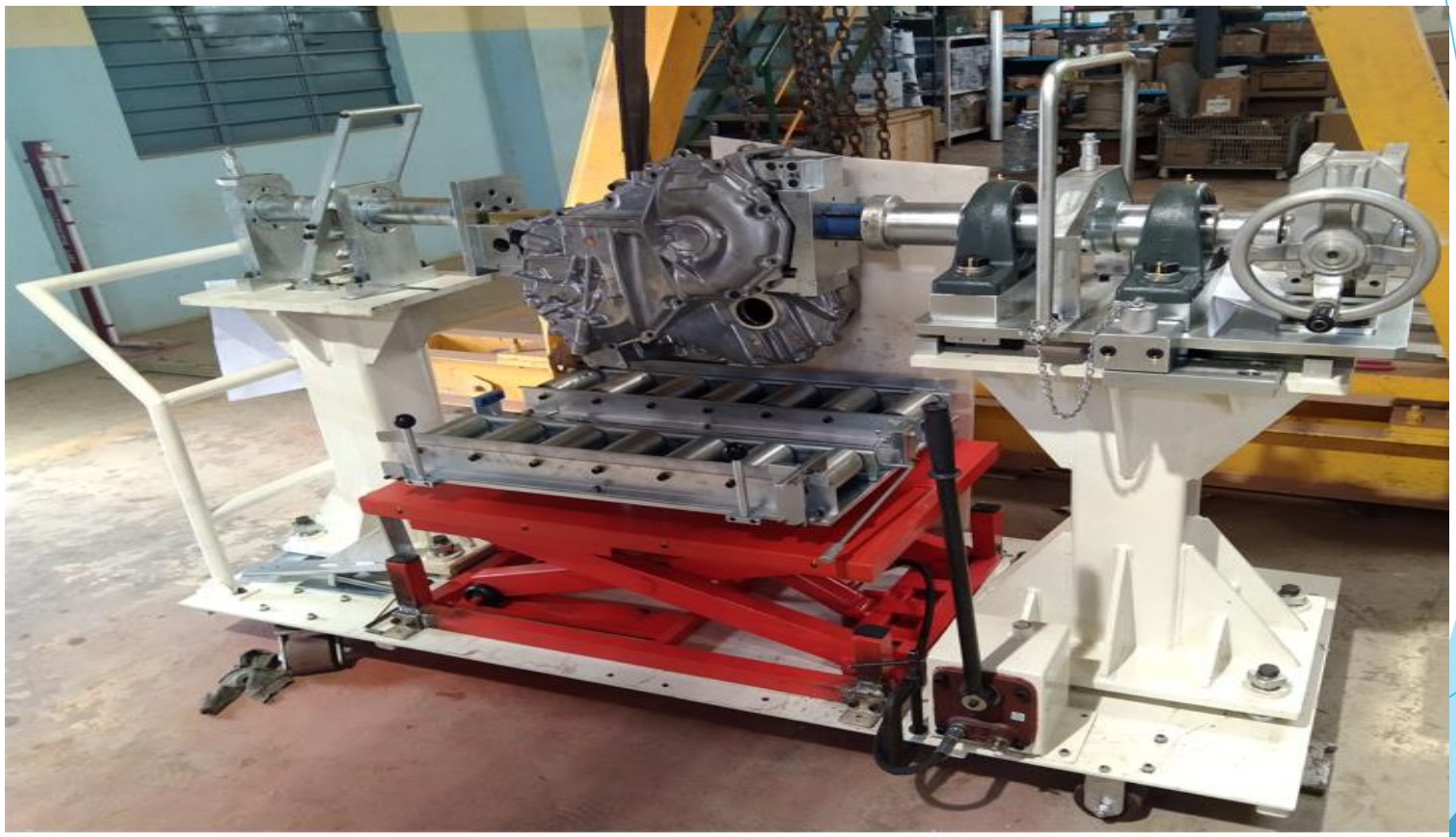
PART TRANSFER DOLLY FOR MACHINING LINE TO ASSEMBLY LINE

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

TEST BENCH TROLLY

(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)

DIS ASSEMBLY JIG WITH MANUAL SCISSOR LIFT
(CUSTOMER – TOYOTA KIRLOSKAR AUTO PARTS PVT LTD)



BLOCK MK (&) EXITS CONVEYOR WITH ELECTRICAL AND CONTROL PANEL
(CUSTOMER – TOYOTA INDUSTRIES INDIA PVT.LTD)

PISTON SUB ASSEMBLY LINE FOR TNGA PROJECT

(CUSTOMER – TOYOTA INDUSTRIES INDIA PVT.LTD)

BLOCK SUB ASSEMBLY LINE FOR TNGA PROJECT
(CUSTOMER – TOYOTA INDUSTRIES INDIA PVT.LTD)

CYLINDER BLOCK ROLLOVER SYSTEM FOR TNGA PROJECT (CUSTOMER – TOYOTA INDUSTRIES INDIA PVT.LTD)

BLOCK SUB ASSEMBLY LINE FOR TNGA PROJECT AT TIEI (CUSTOMER – TOYOTA INDUSTRIES INDIA PVT.LTD)

UB HANGER FOR CHASIS LIFTING CUSTOMER – TTIPL

END USER – TOYOTA KIRLOSKAR MOTORS PVT LTD

UB HANGER FOR CHASIS LIFTING CUSTOMER – TTIPL
END USER – TOYOTA KIRLOSKAR MOTORS PVT LTD

FRONT FLOOR TRANSFER SYSTEM ASSEMBLY
(CUSTOMER – TOYOTA KIRLOSKAR MOTORS PVT LTD)

FRONT FLOOR TRANSFER SYSTEM AFTER INSTALLATION AT TKML (CUSTOMER – TOYOTA KIRLOSKAR MOTORS PVT LTD)

FRONT FLOOR TRANSFER SYSTEM AFTER INSTALLATION AT TKML

(CUSTOMER – TOYOTA KIRLOSKAR MOTORS PVT LTD)

FRONT FLOOR TRANSFER SYSTEM ELECTRICAL AND CONTROLS WITH PNEUMATIC SYSTEM
(CUSTOMER – TOYOTA KIRLOSKAR MOTORS PVT LTD)

PART PRESENTATION RACKS CUSTOMER – TOYO CORPORATION

END USER – TOYOTA INDUSTRIES INDIA PVT LTD

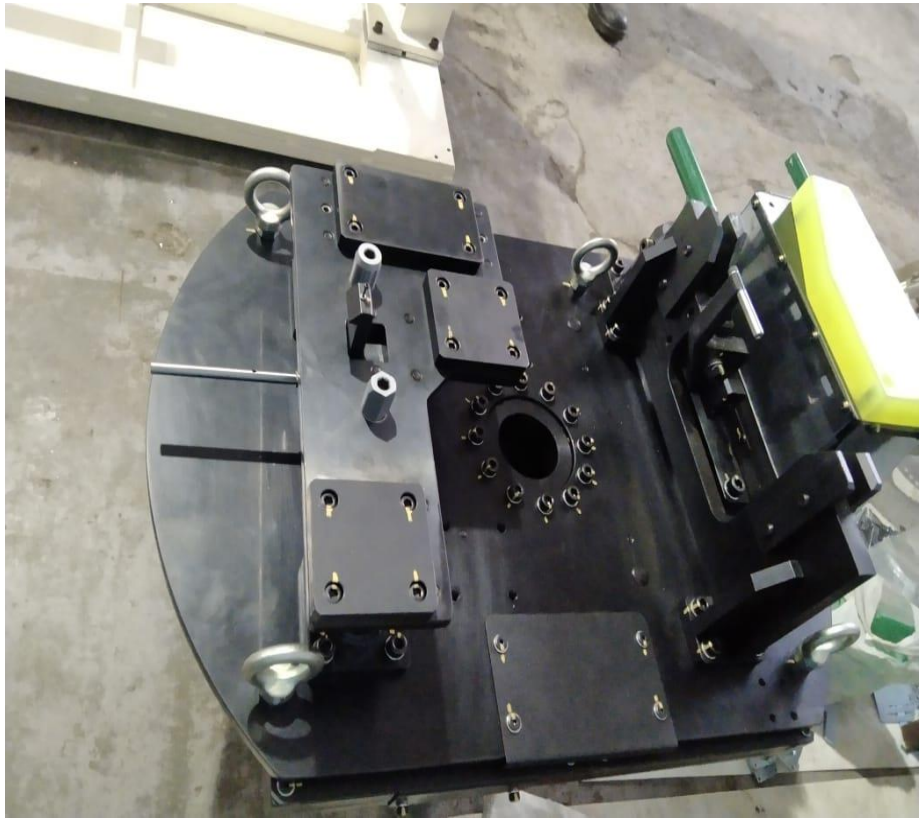
PART PRESENTATION RACKS CUSTOMER – TOYO CORPORATION

END USER – TOYOTA INDUSTRIES INDIA PVT LTD

ENGINE PREPARATION TRAY

CUSTOMER – TTIPL

END USER – TMC JAPAN



TSUBHAKI ROLLER CHAIN AUTO CONVEYORS WITH LIFTERS FOR HV PROJECT

CUSTOMER – TKAP

HV PROJECT AUTO / MANUAL CONVEYORS FOR HV PROJECT

CUSTOMER - TKAP

TSUBHAKI ROLLER CHAIN AUTO CONVEYORS WITH LIFTERS FOR HV PROJECT

CUSTOMER – TKAP

TSUBHAKI ROLLER CHAIN AUTO CONVEYORS WITH LIFTERS FOR HV PROJECT

CUSTOMER – TKAP

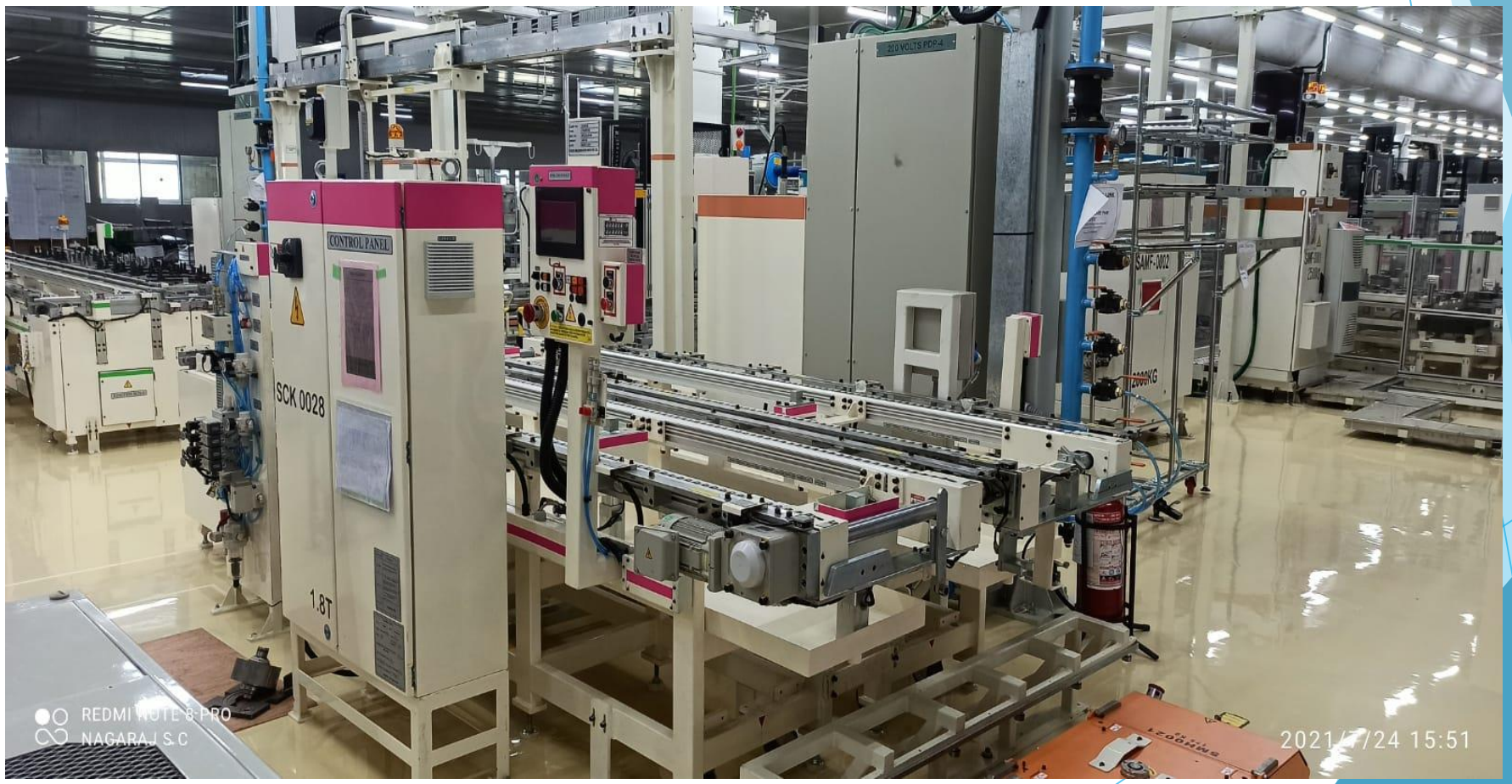
LEGO'S FOR HV PROJECT
CUSTOMER - TKAP

OIL PUMP PART NUT RUNNER MACHINES FOR HV PROJECT

CUSTOMER - TKAP

TSUBHAKI ROLLER CHAIN AUTO CONVEYORS FOR HV PROJECT

CUSTOMER – TKAP



TSUBHAKI ROLLER CHAIN AUTO CONVEYORS WITH LIFTERS FOR HV PROJECT

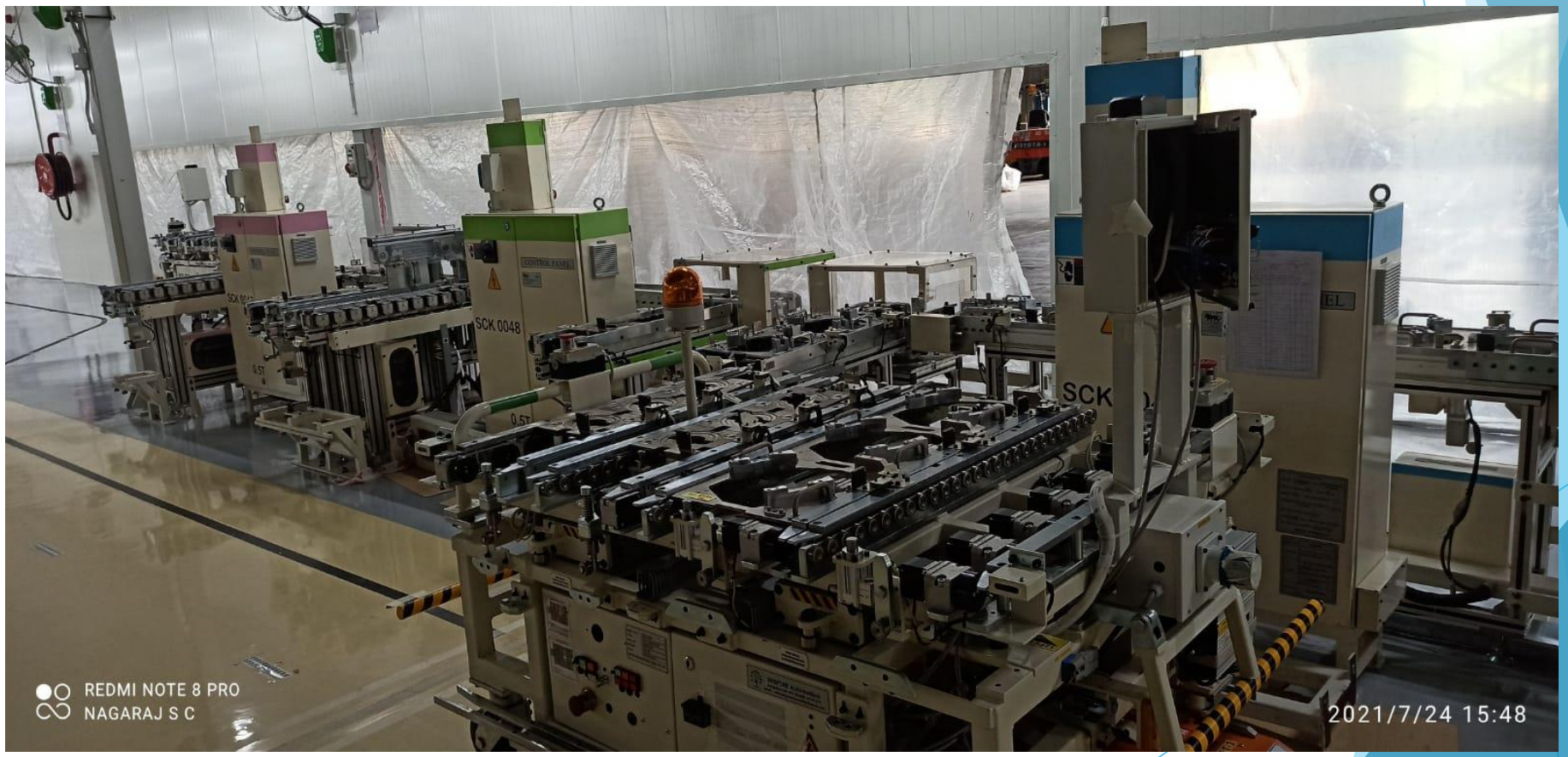
CUSTOMER – TKAP

WATANABHE MOTORS AUTO CONVEYOR FOR HV PROJECT

CUSTOMER – TKAP

WATANABHE MOTORS AUTO CONVEYOR FOR HV PROJECT

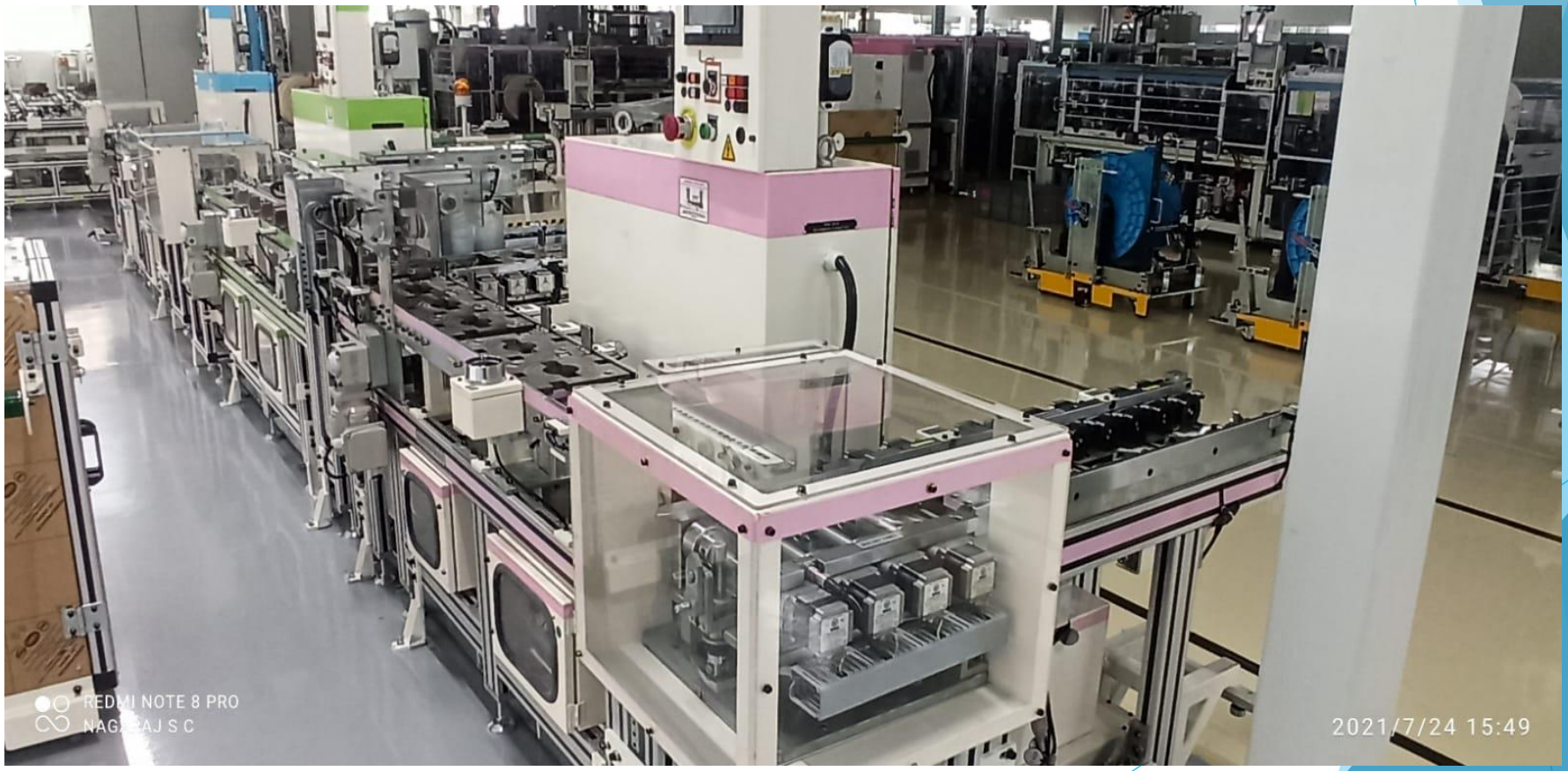
CUSTOMER – TKAP



LEGO'S FOR HV PROJECT

CUSTOMER - TKAP

WATANABHE MOTORS AUTO CONVEYOR FOR HV PROJECT
CUSTOMER – TKAP



WATANABHE MOTORS AUTO CONVEYOR FOR HV PROJECT

CUSTOMER – TKAP

AUTO CONVEYOR WITH TRAVERSER SYSTEM FOR HV PROJECT

CUSTOMER - TKAP

AUTO CONVEYOR WITH TRAVERSER SYSTEM FOR HV PROJECT

CUSTOMER - TKAP

ENGINE SORTING CONVEYOR

CUSTOMER – TTIPL

END USER - TKML

ENGINE SORTING CONVEYOR

CUSTOMER – TTIPL

END USER - TKML

ENGINE SORTING CONVEYOR

CUSTOMER – TTIPL

END USER - TKML

IP PREPARATION TRAY

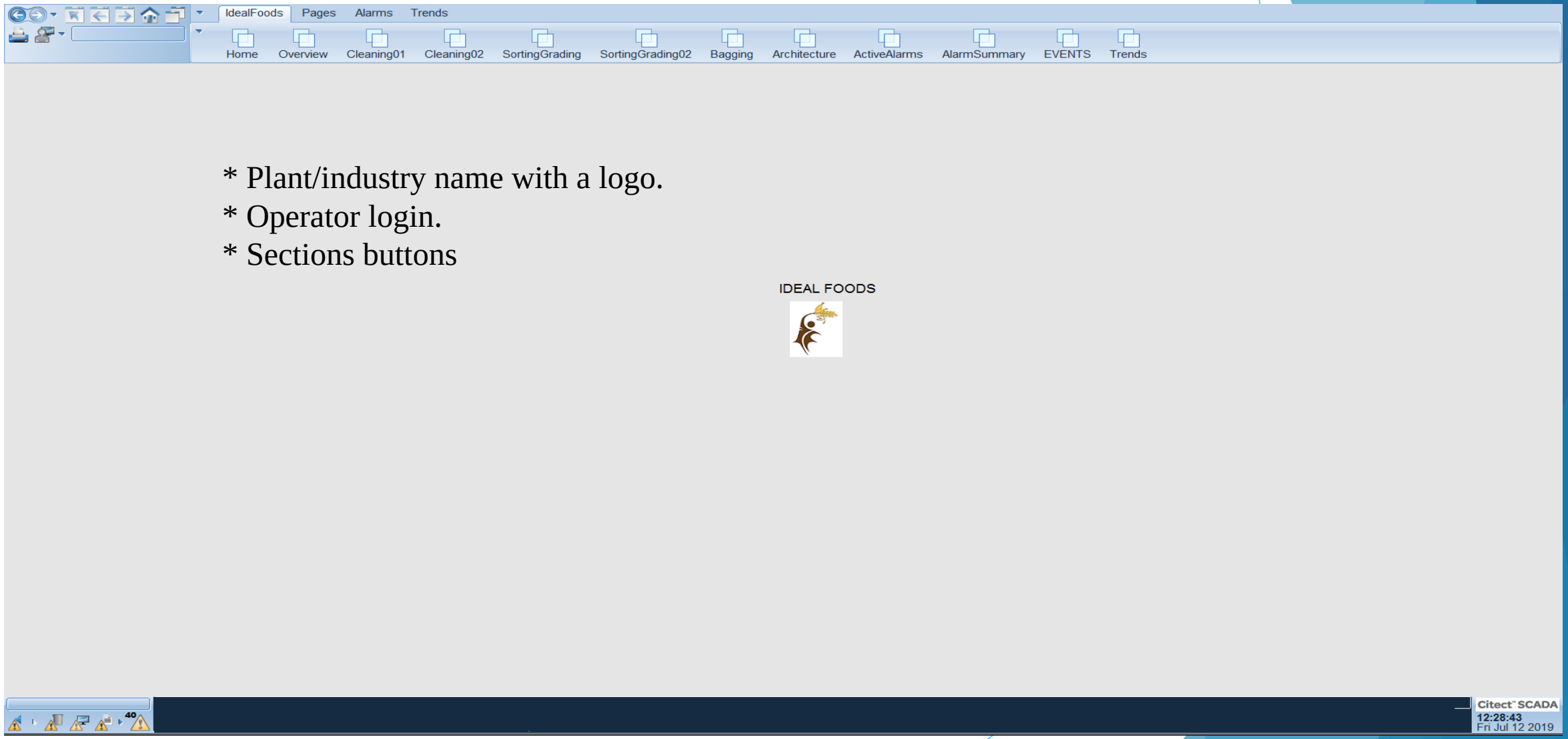
CUSTOMER – TTIPL

END USER – TMC JAPAN

SCADA System in Food Process Industries

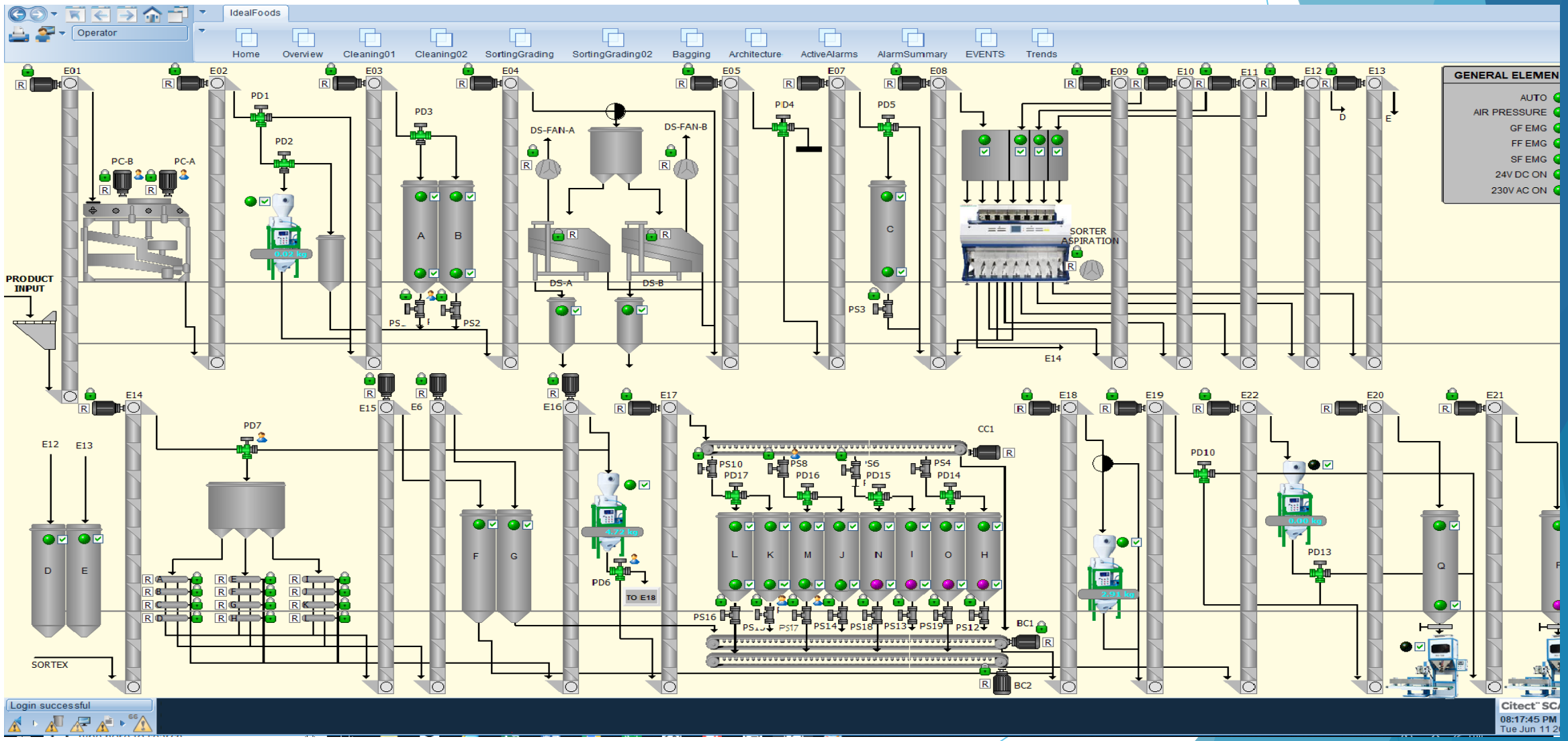
- **Project : Rice Process Industries**
  Project Name : Ideal Foods
  PLC : Schneider Electric
  Software : Vijeo Citect, & Unity Pro XL

Welcome Screen



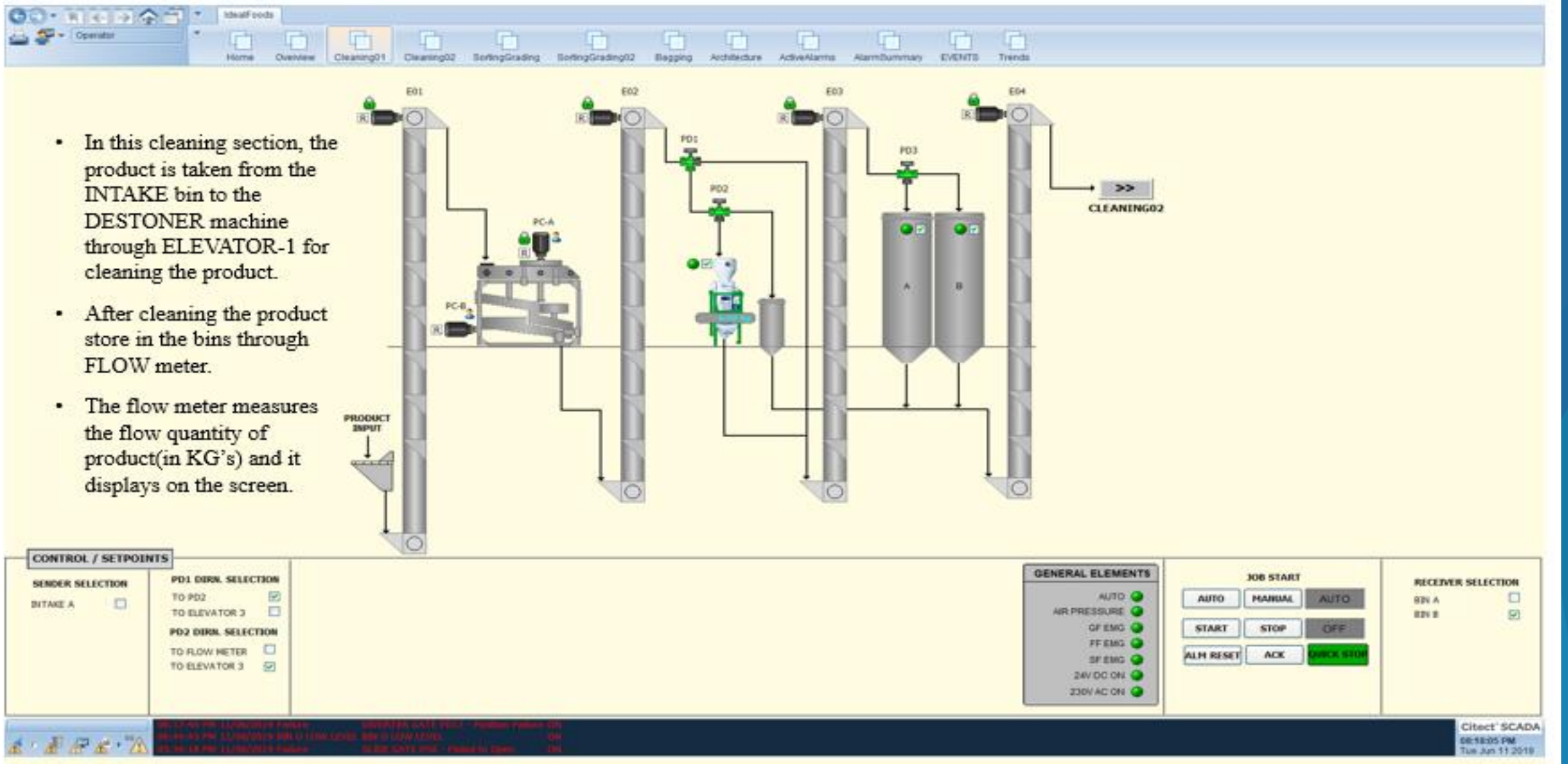
* Plant/industry name with a logo.
* Operator login.
* Sections buttons

Plant Overview screen



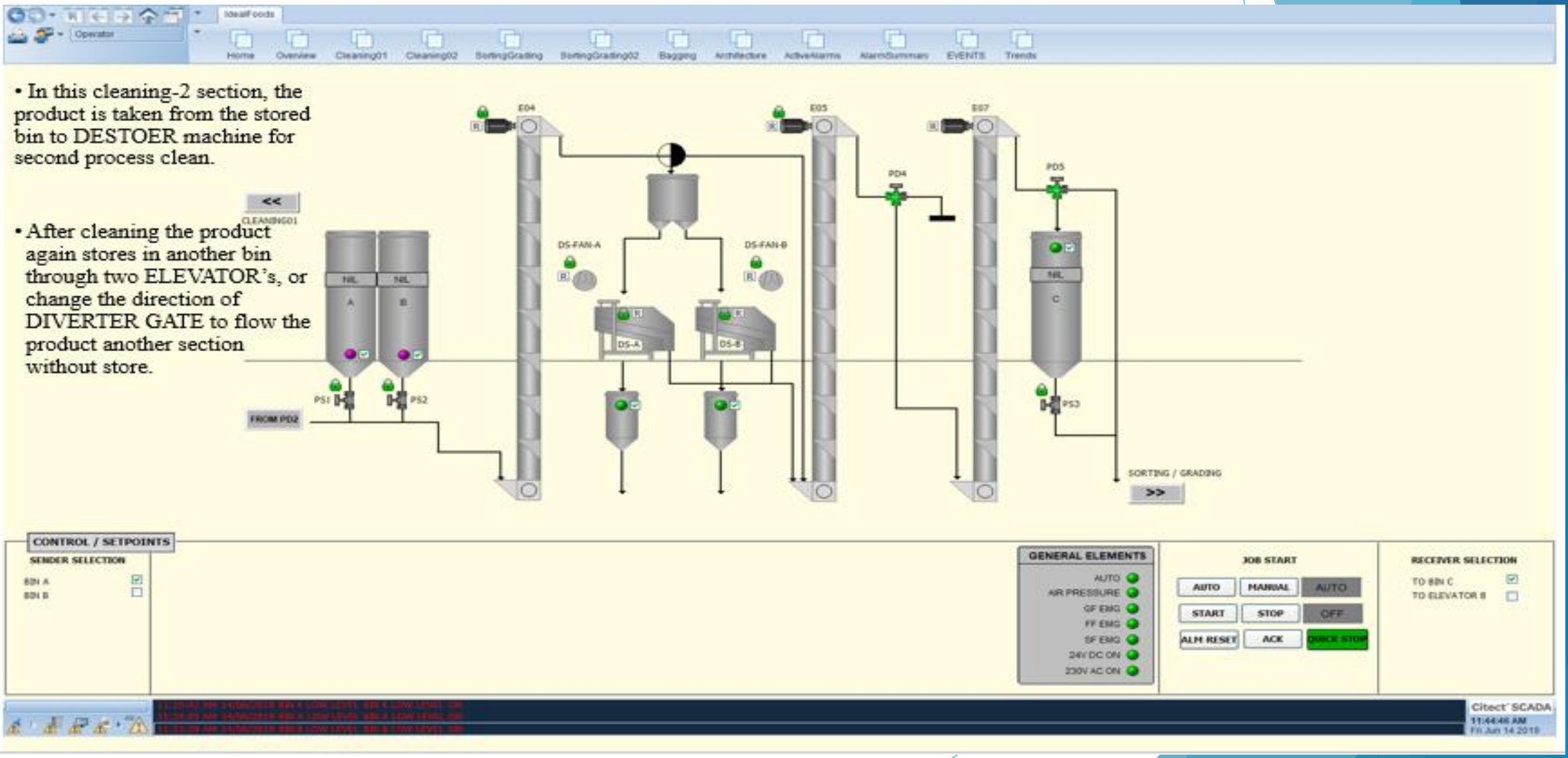
Cleaning-1 section screen

- In this cleaning section, the product is taken from the INTAKE bin to the DESTONER machine through ELEVATOR-1 for cleaning the product.
- After cleaning the product store in the bins through FLOW meter.
- The flow meter measures the flow quantity of product(in KG's) and it displays on the screen.



Cleaning-2 section screen

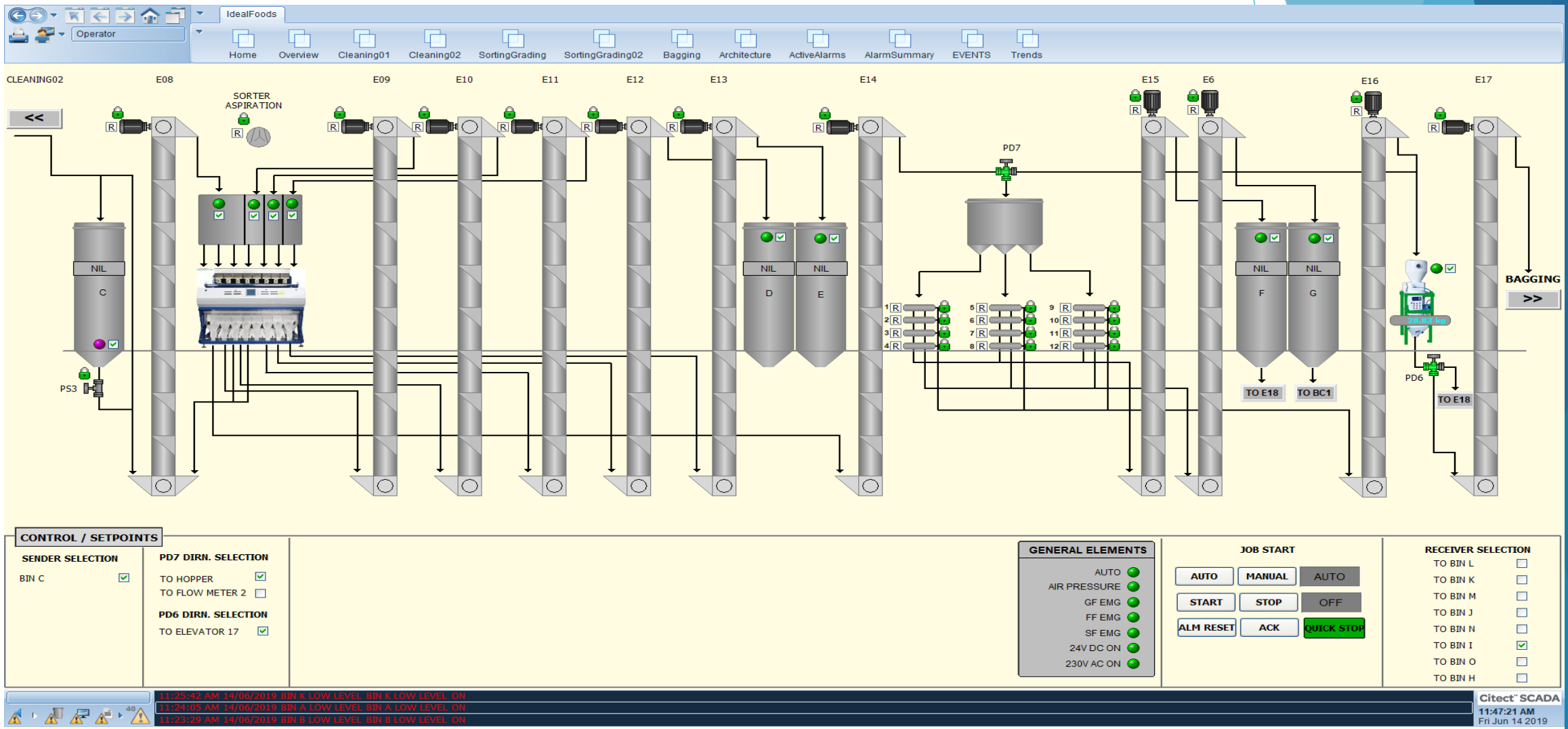
- In this cleaning-2 section, the product is taken from the stored bin to DESTOER machine for second process clean.
- After cleaning the product again stores in another bin through two ELEVATOR's, or change the direction of DIVERTER GATE to flow the product another section without store.



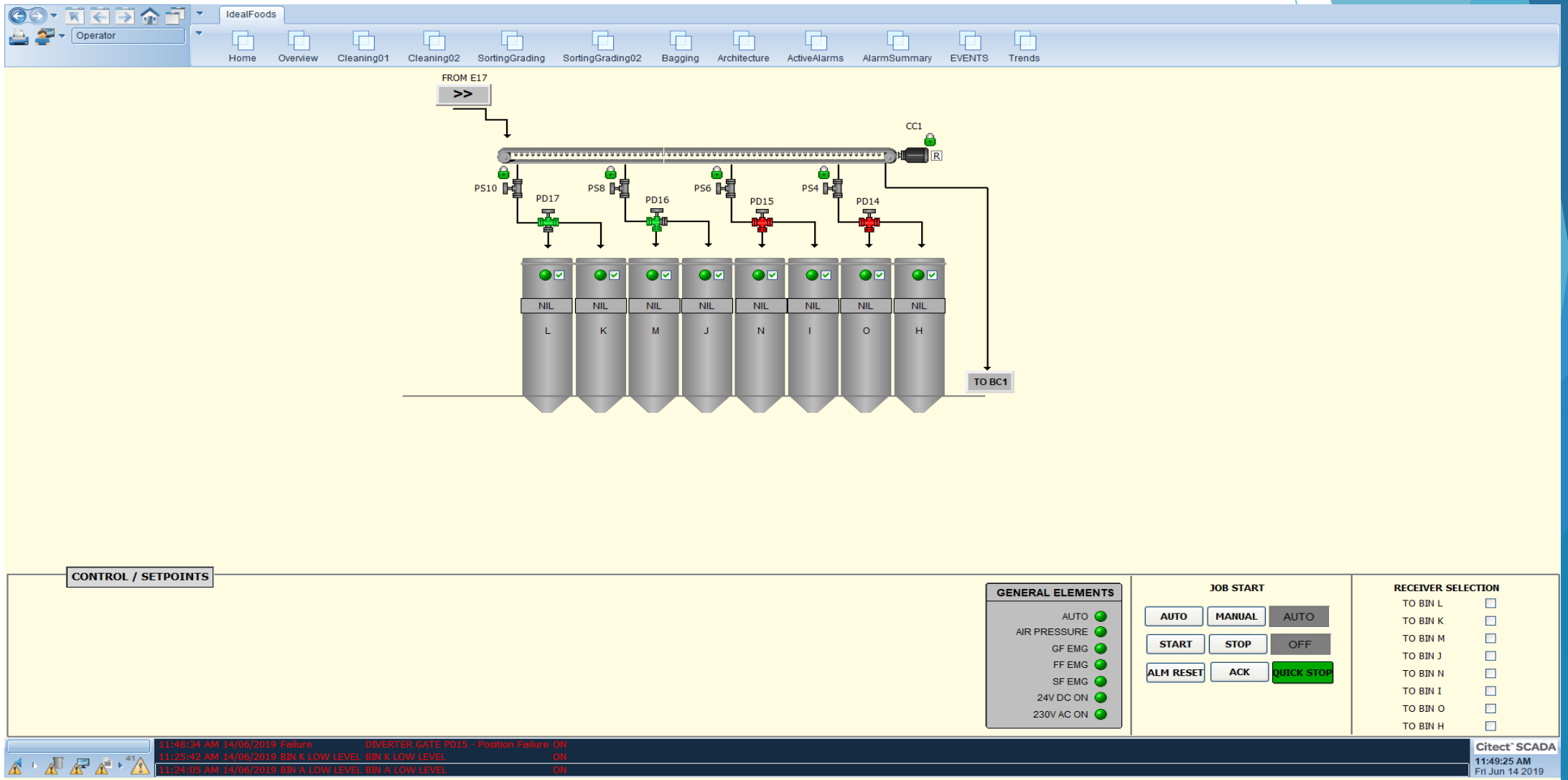
Sorting & Grading section screen

- In this Sorting & Grading section, the product is taken from the stored bin to the SORTEX machine.
- The Sortex machine is a high precision ejection system that minimizes false rejects of good grains, delivering highly concentrated reject grain.
- The availability of secondary, tertiary and simultaneous reverse sorting helps to minimize loss of good grains.
- After completing the sorting process, next process is the GRADING. The product flows to INDENT cylinder for the grading purpose.
- The INDENT cylinders sorts the grains based on their size and it separate whole grains from broken grains
- Or change the direction of DIVERTER GATE to directly store the product in any bins.

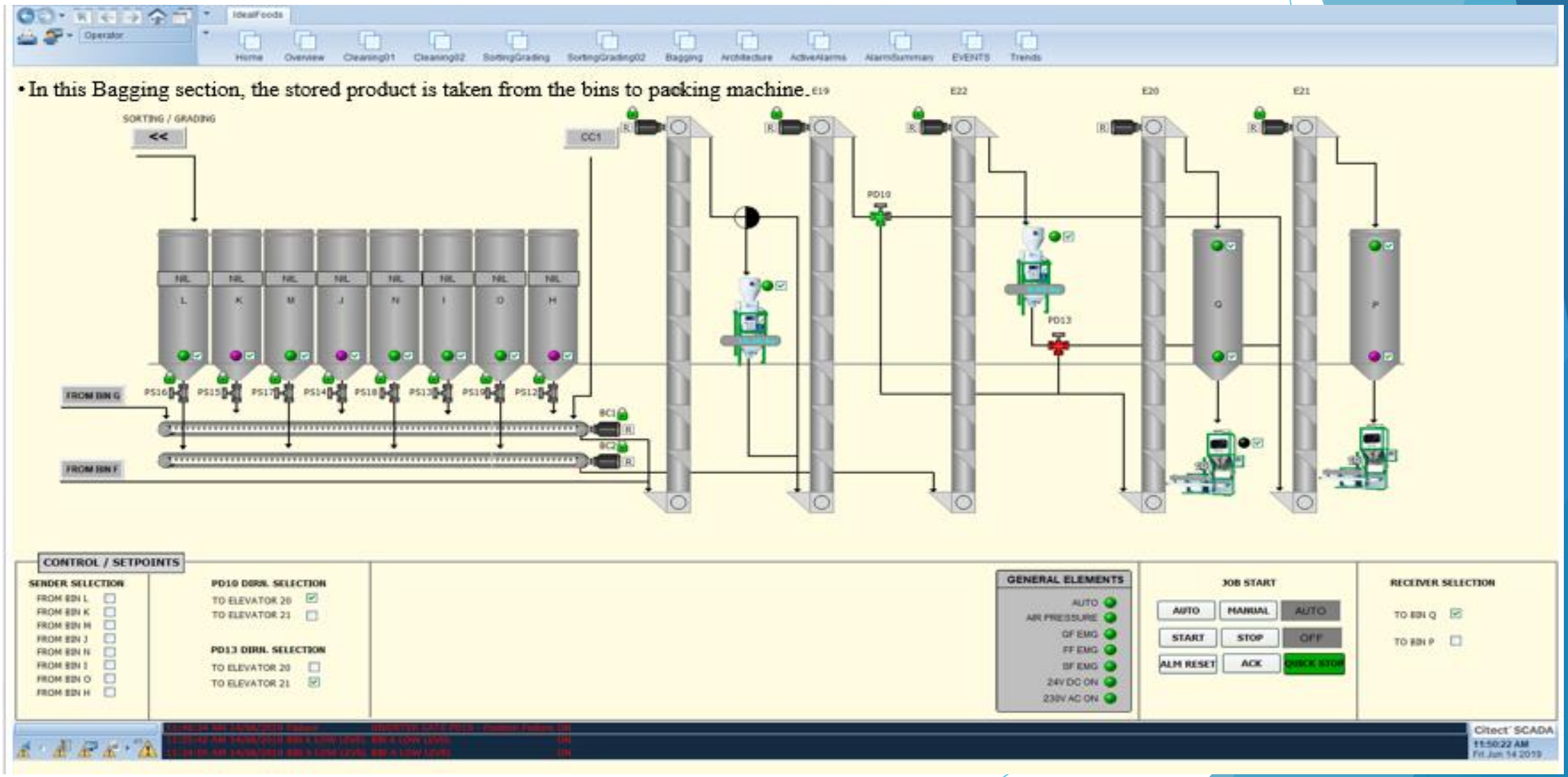
Sorting & Grading section screen



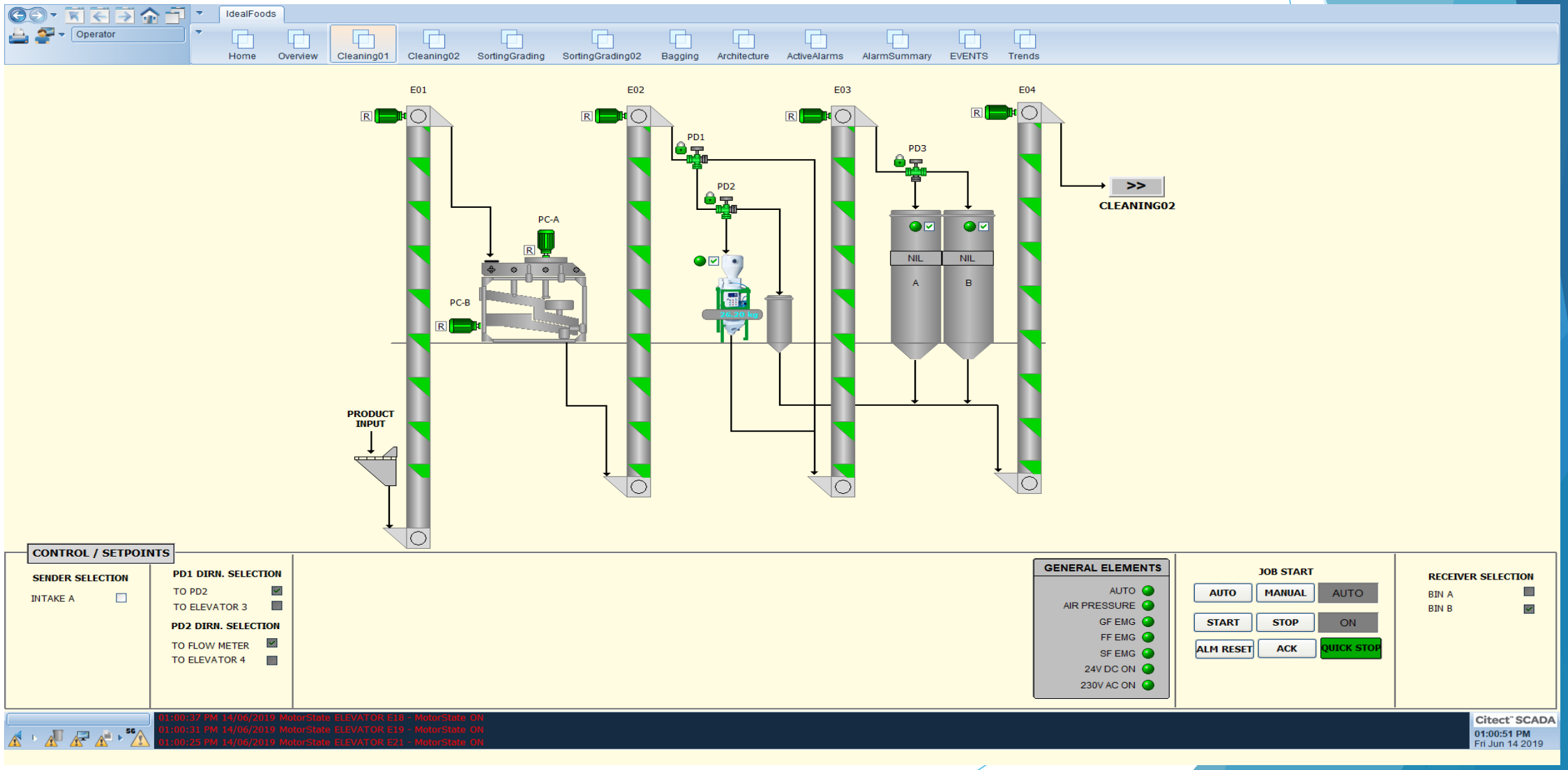
Sorting & Grading section screen



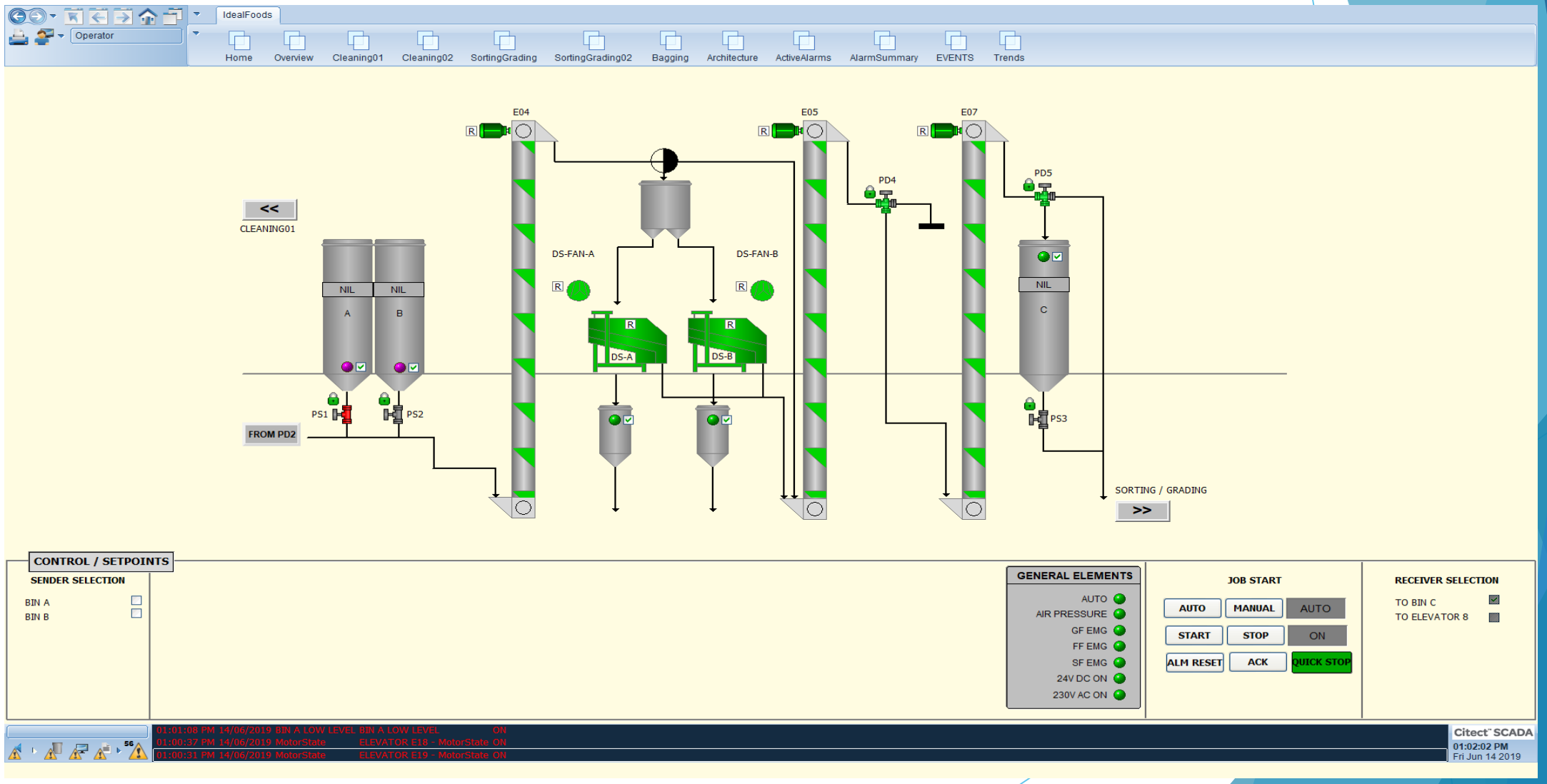
Bagging section screen



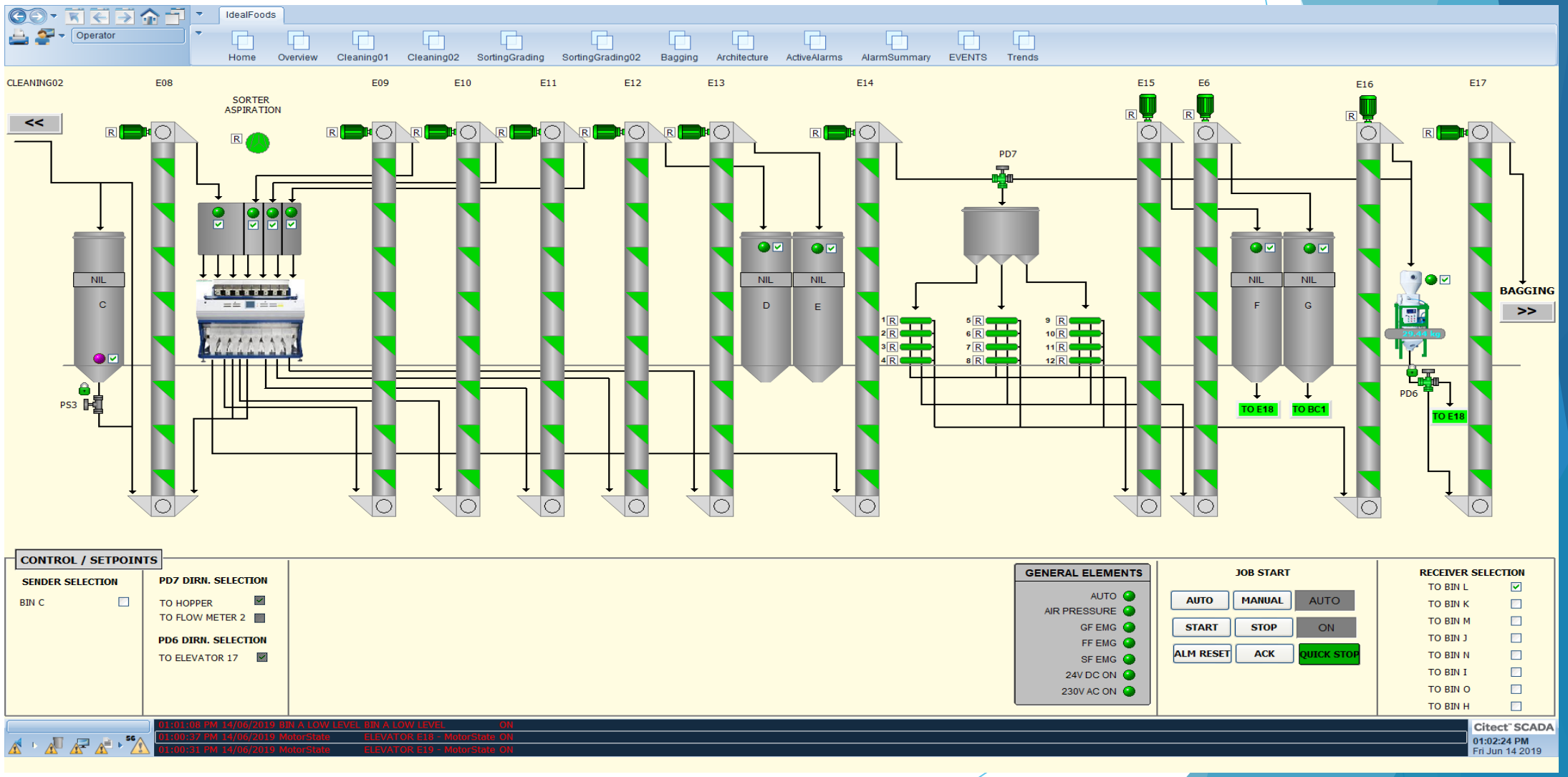
Cleaning-1 section Running Status



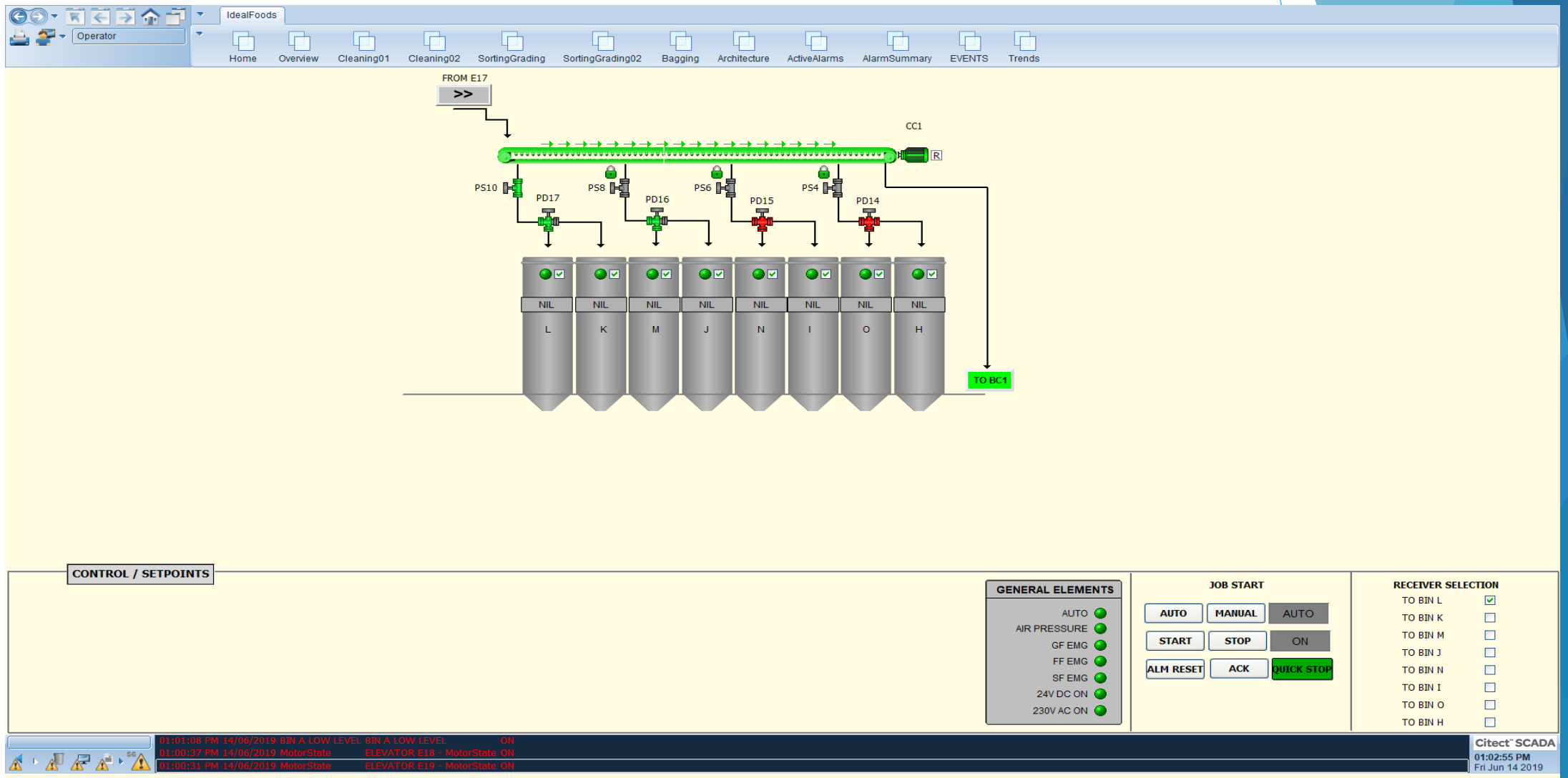
Cleaning-2 section Running Status



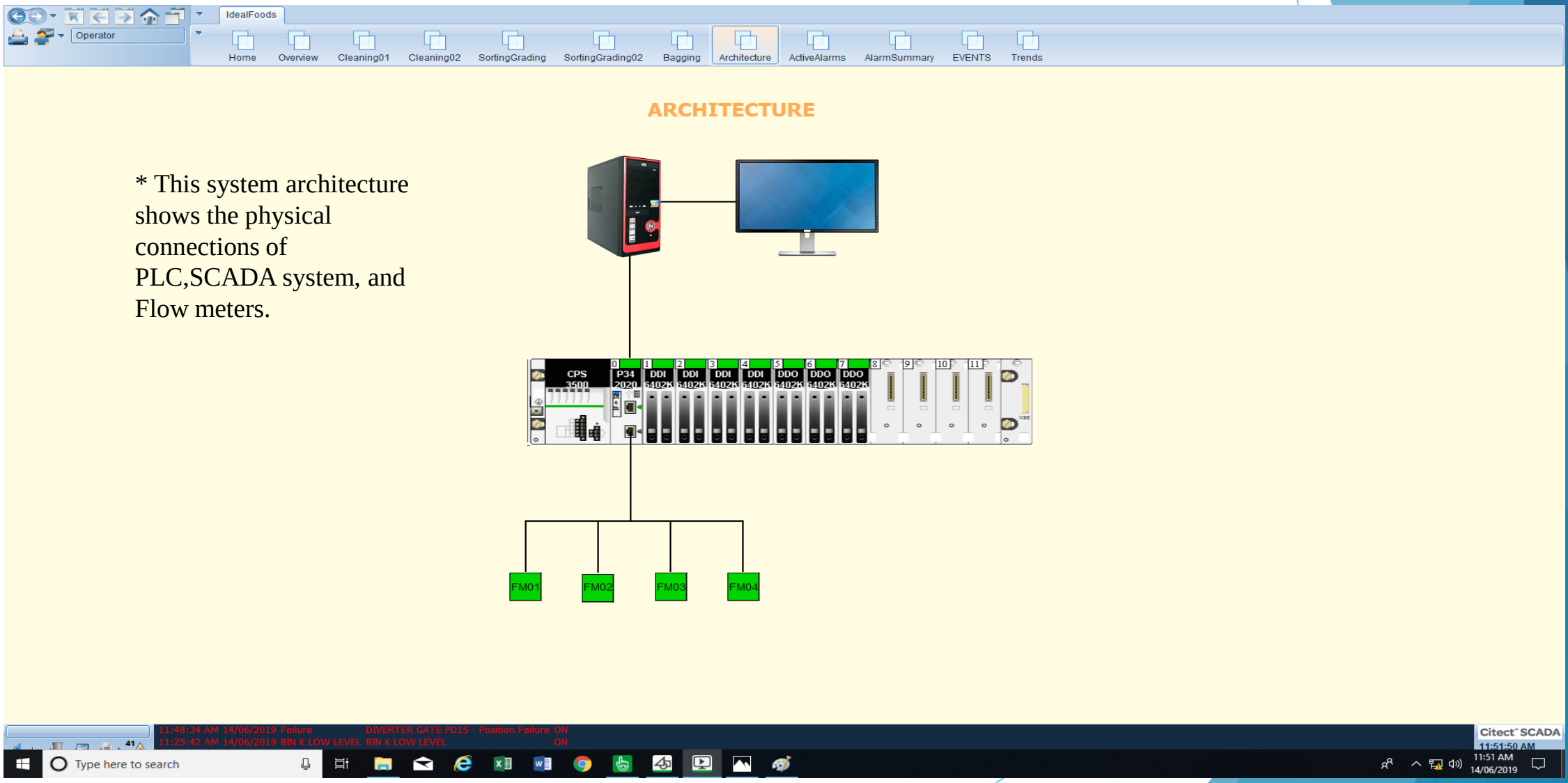
Sorting & Grading section Running Status



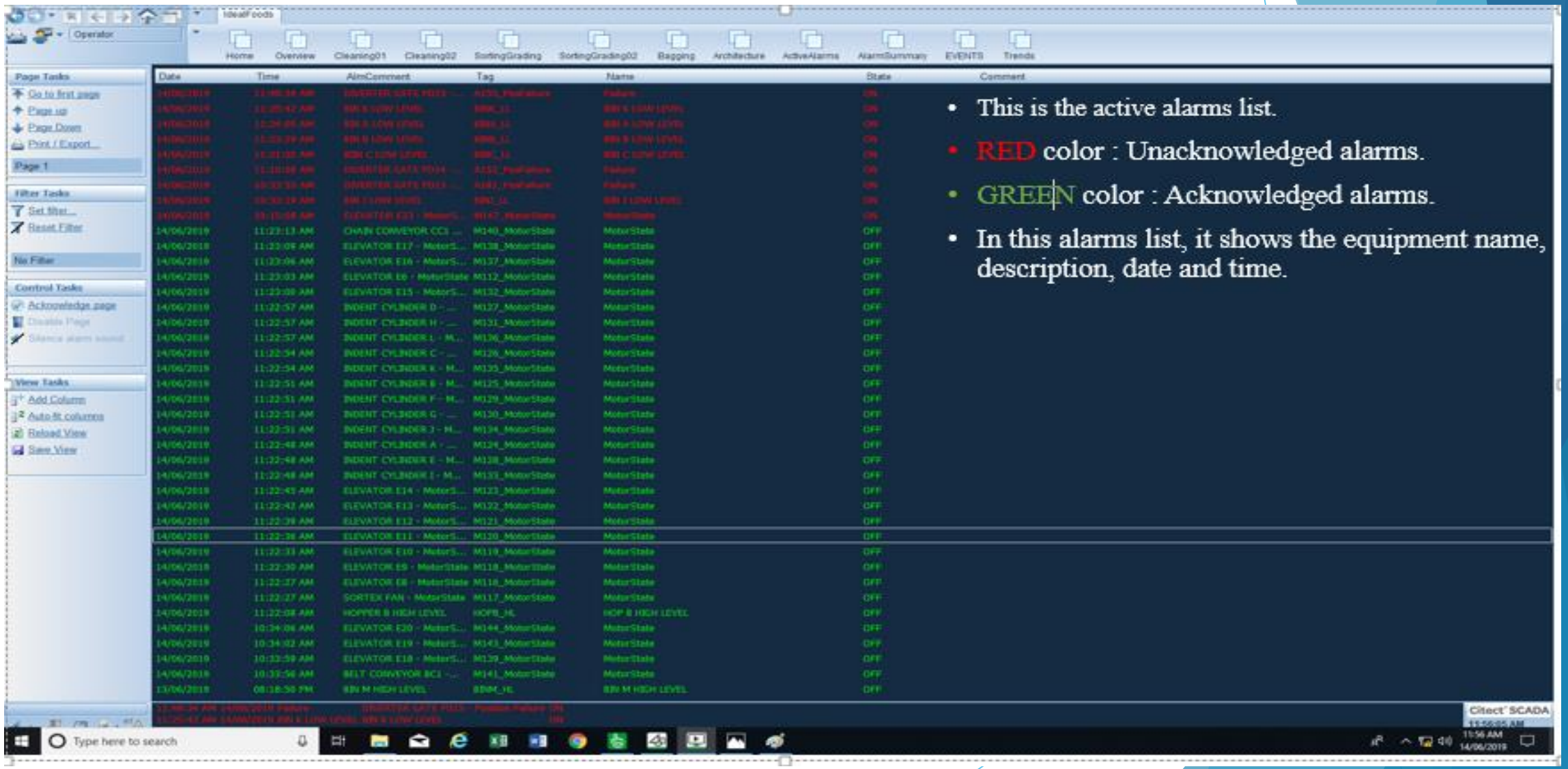
Sorting & Grading section Running Status



System Architecture screen



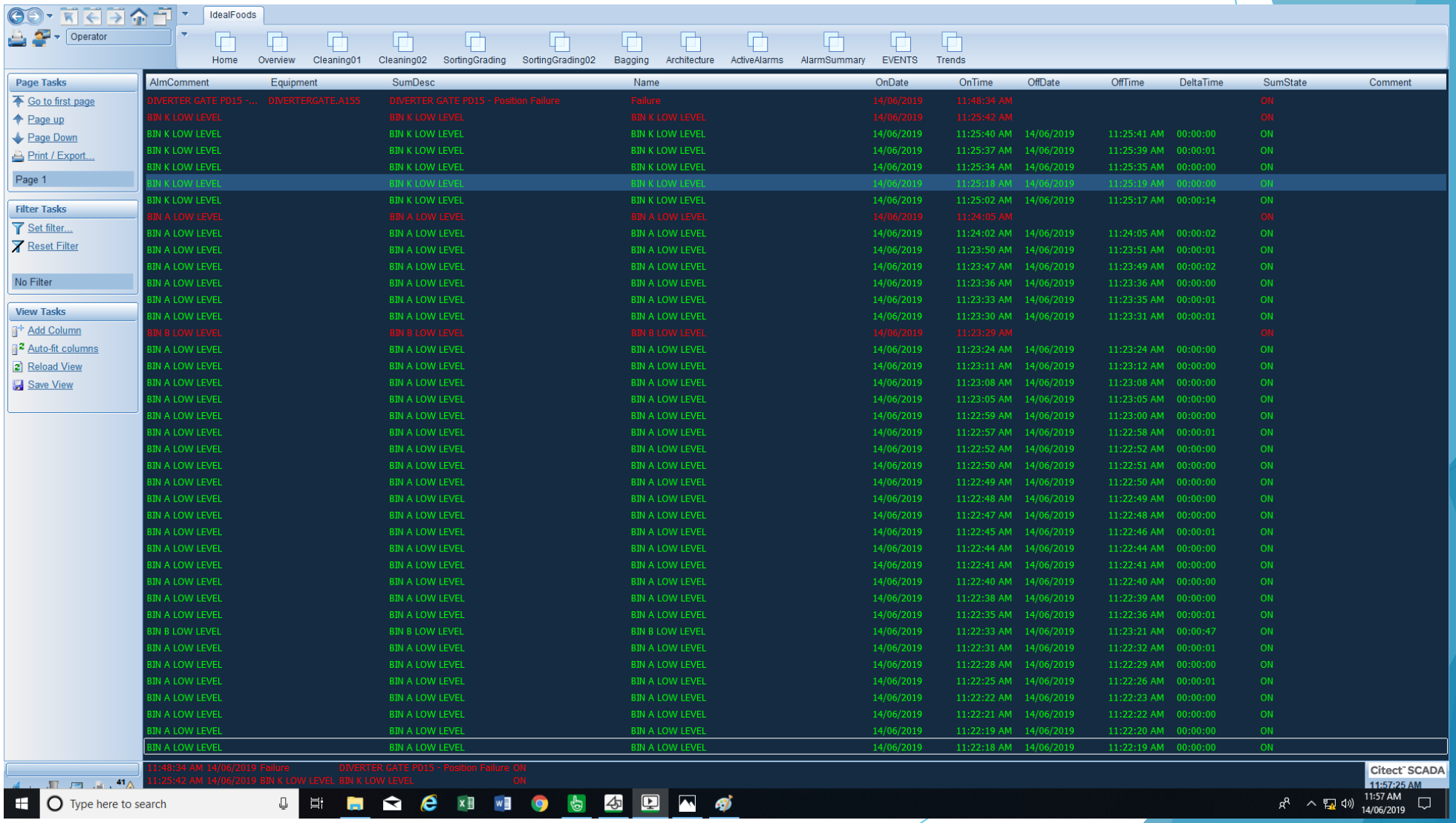
Active Alarms screen



- This is the active alarms list.
- RED color : Unacknowledged alarms.
- GREEN color : Acknowledged alarms.
- In this alarms list, it shows the equipment name, description, date and time.

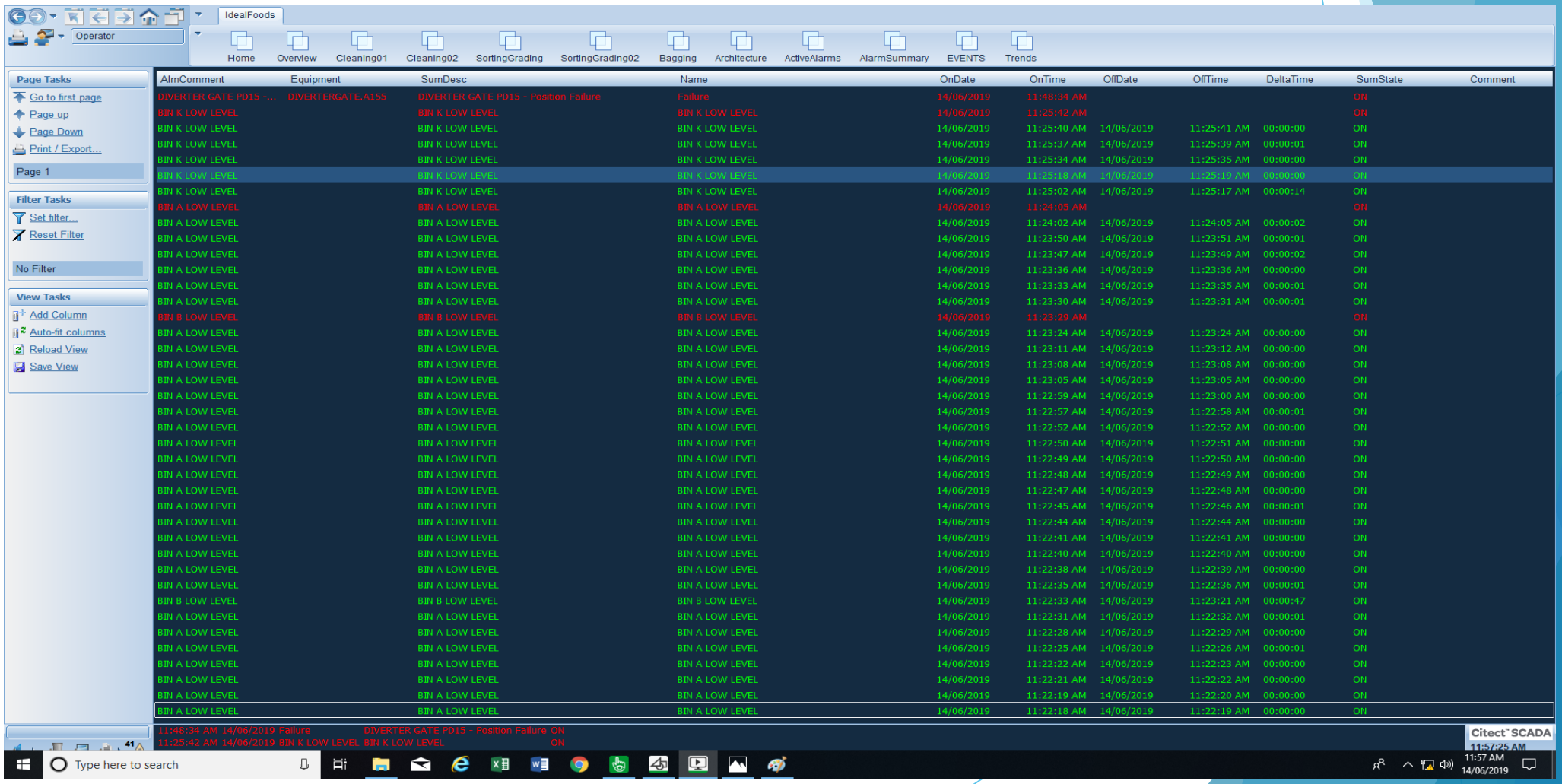
Alarms Summary screen

*** In this alarms summary list, it shows the all previews alarms.**

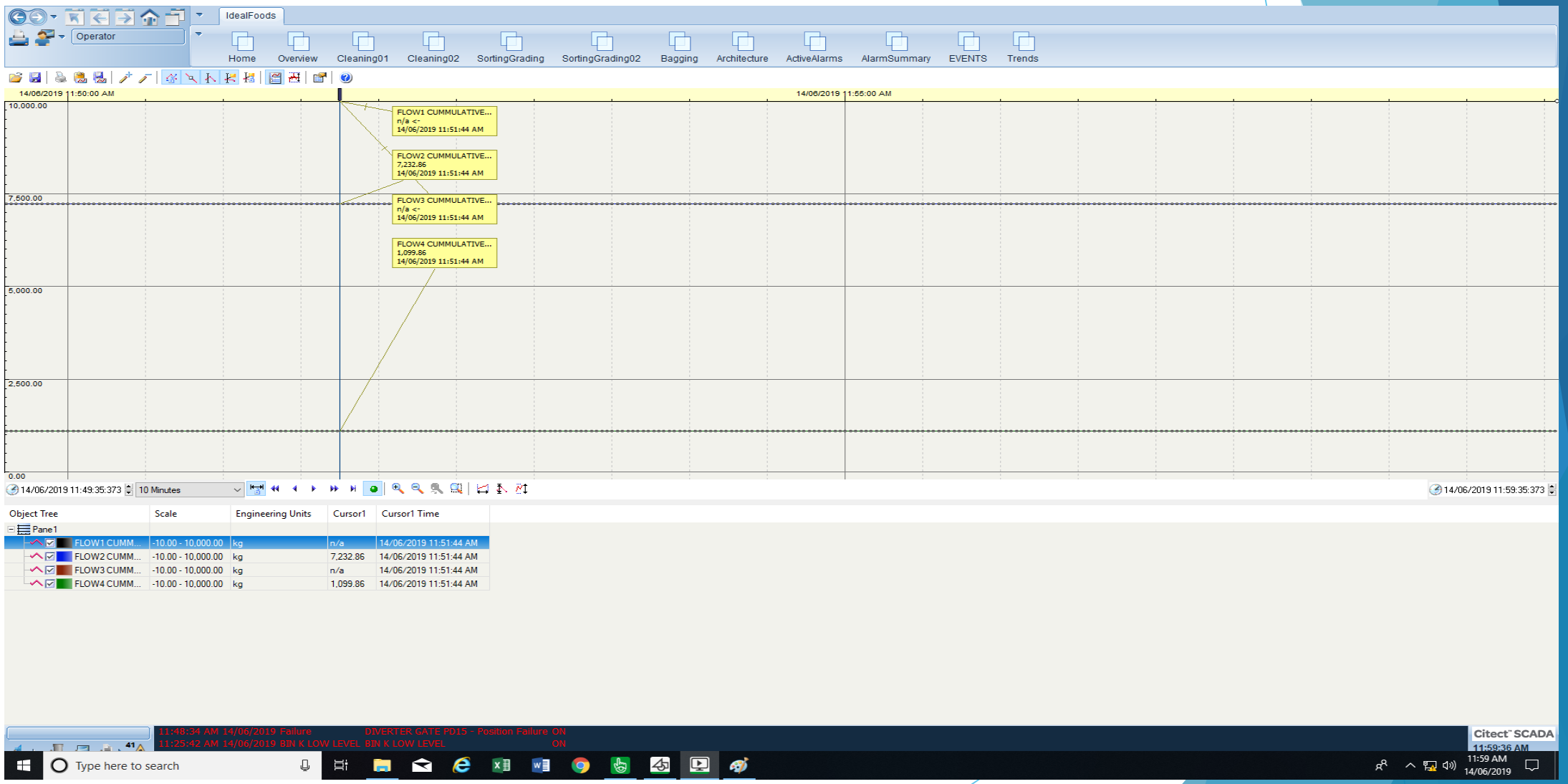


Events screen

*** This event screen shows the all motor/equipment and sections start/stop with date, time, and operator name.**



Trends screen



- Project : Pulses Process Industries
  Project Name : Shiva Om Agro Industries
  PLC : Siemens
  Software : TIA portal, & Simatic Manager S7

Welcome Screen

Shiva Om Agro Industries

Kapnoor, GULBARGA-585104

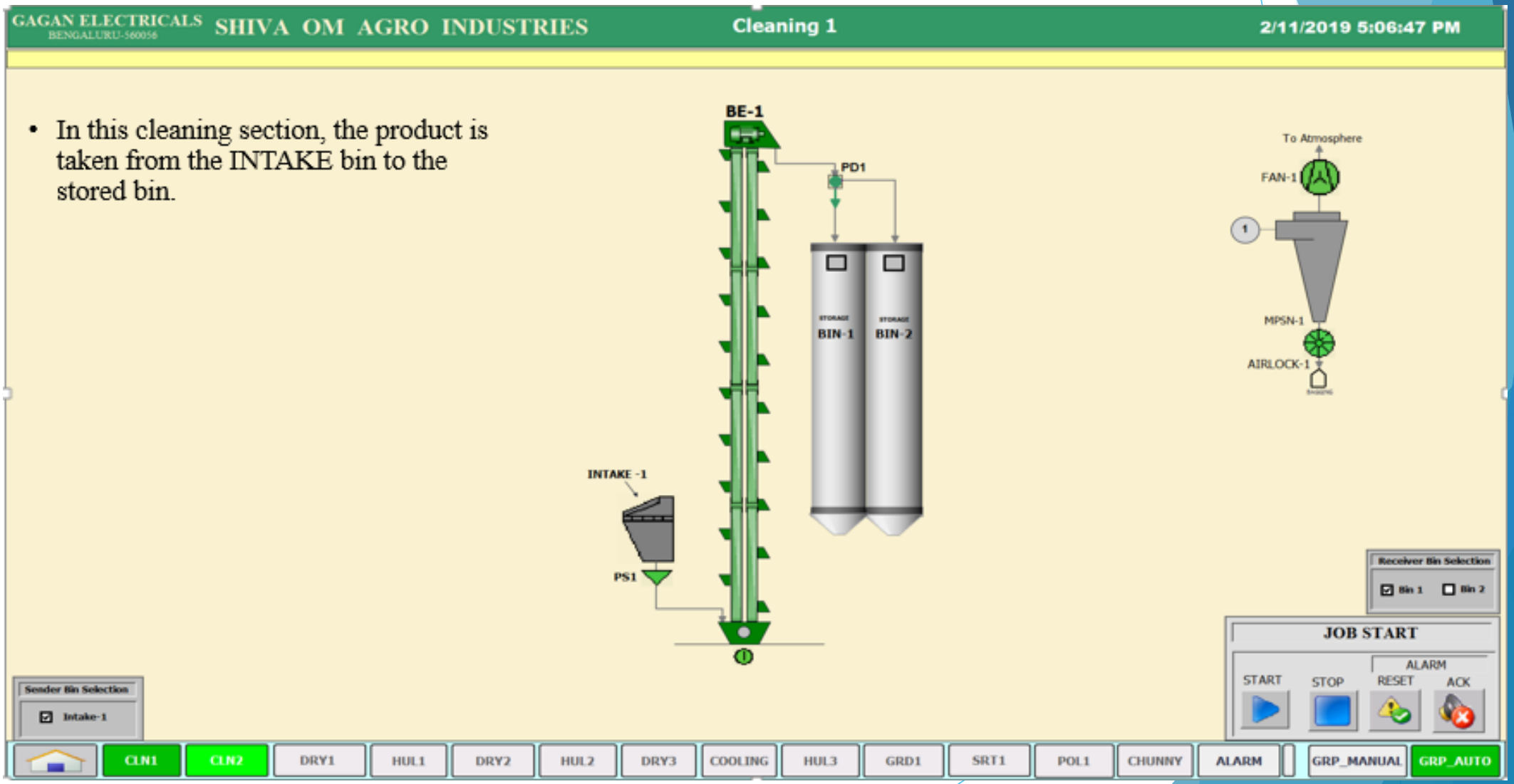
Cleaning 1 (CLN1) | Cleaning 2 (CLN2) | Dryer 1 & Sortex 1 | Hulling 1 (HUL1) | Dryer 2 (DRY2) | Hulling 2 (HUL2) | Dryer 3 (DRY3) | Cooling

Hulling 3 (HUL3) | Grading 1 (GRD1) | Sortex 1 (SRT1) | Polisher 1 (POL1) | Chunny | Alarm

GRP1_MANUAL | GRP1_AUTO

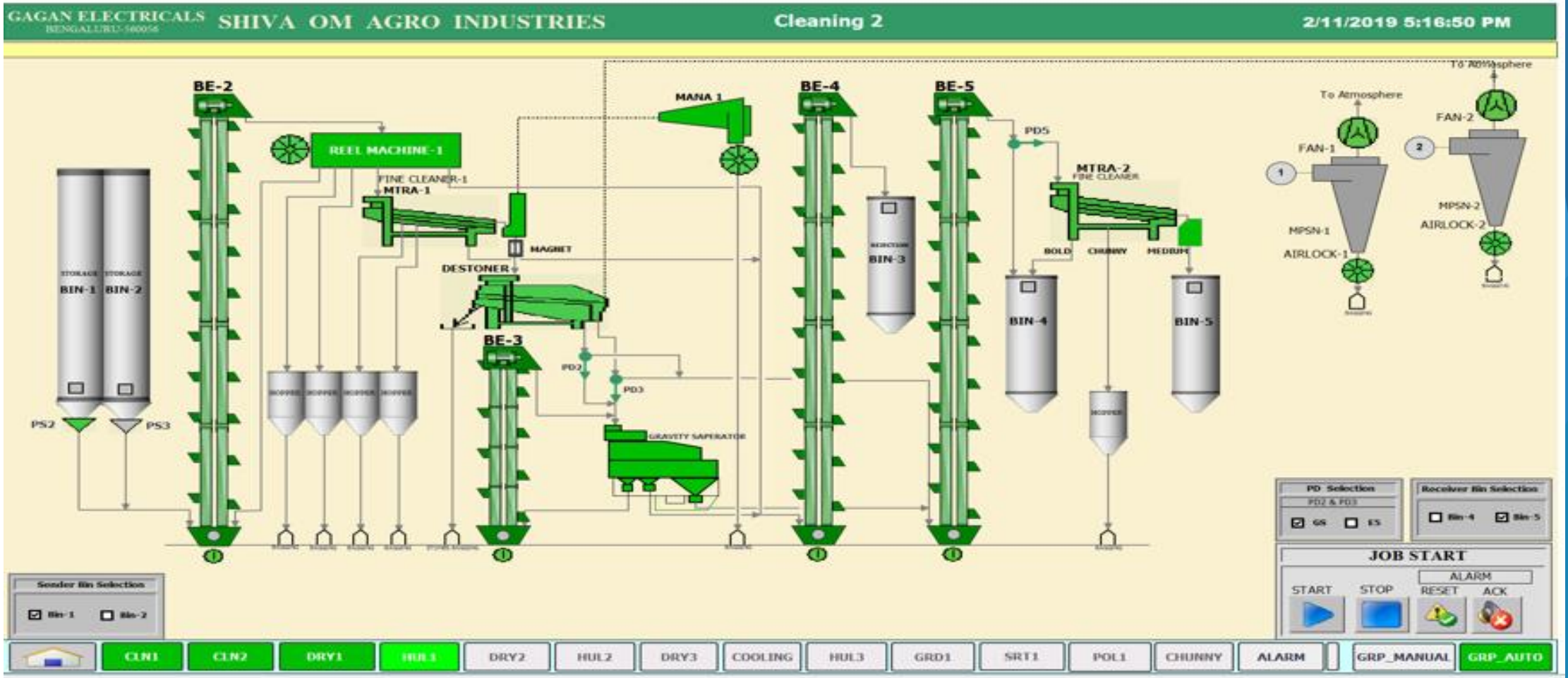
Ext

Cleaning-1 section screen

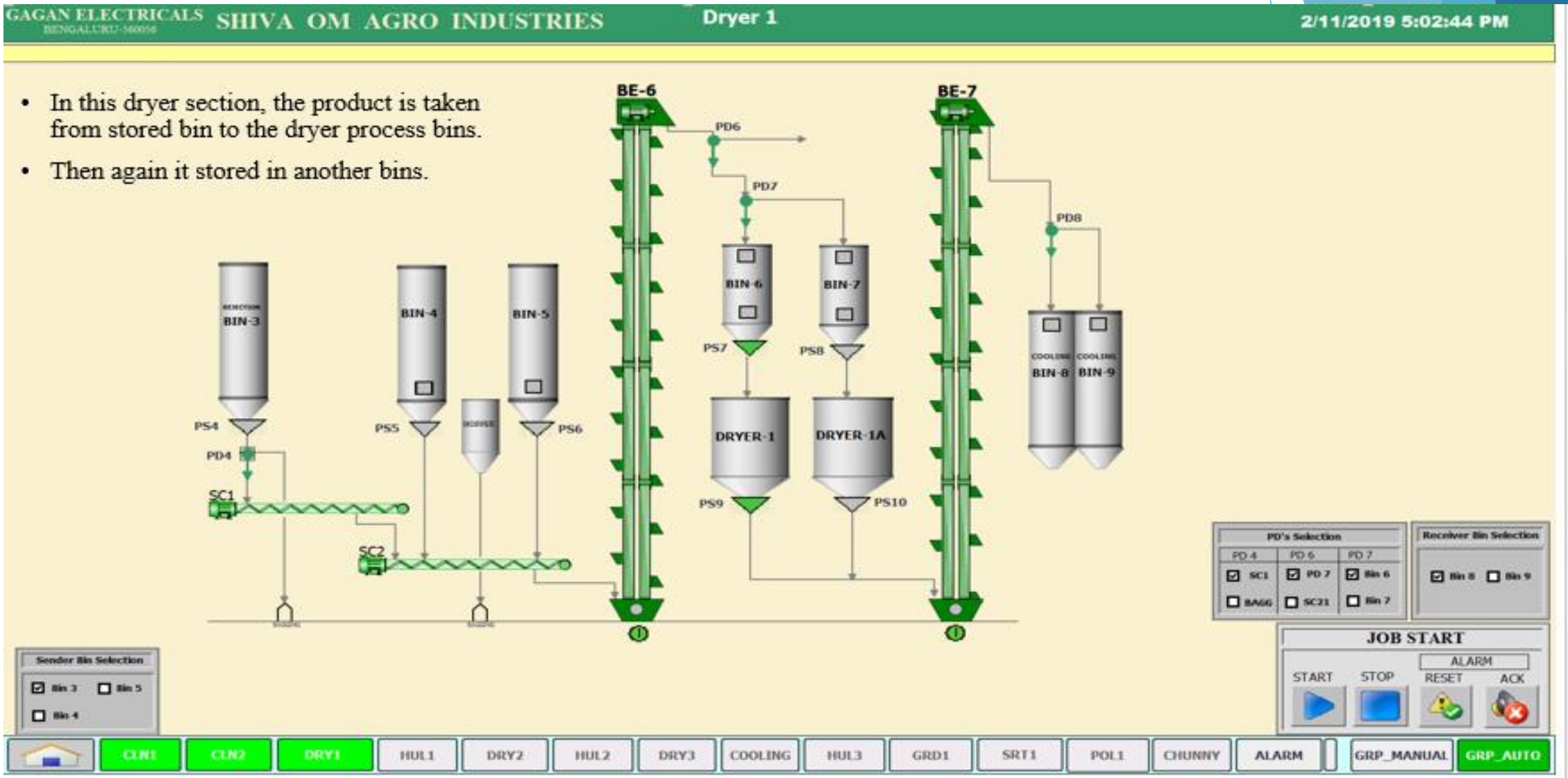


Cleaning-2 section screen

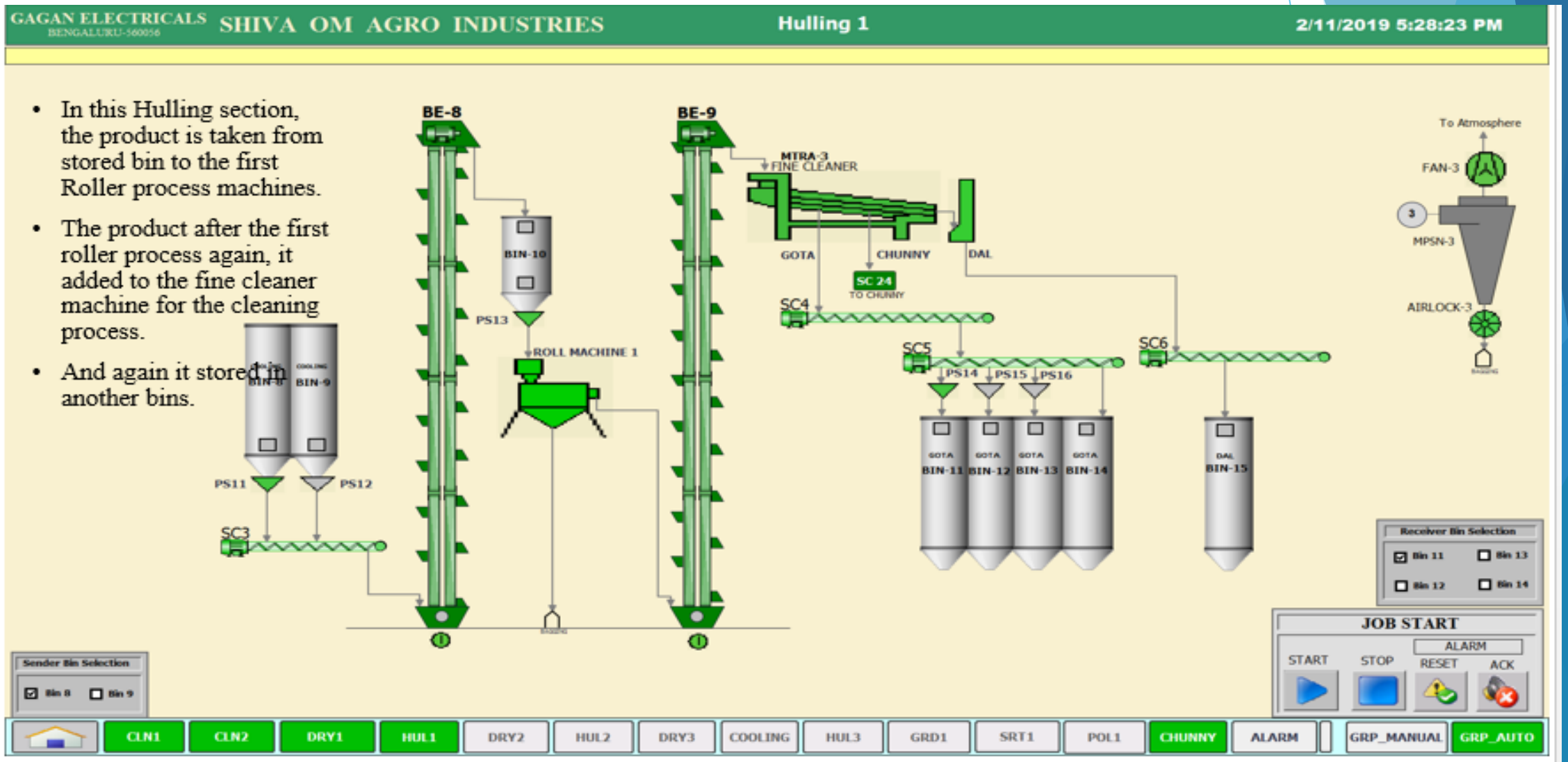
- In this cleaning section, the product is taken from stored bin to the cleaning process machines.
- Then again it stored in another bins.



Dryer-1 section screen

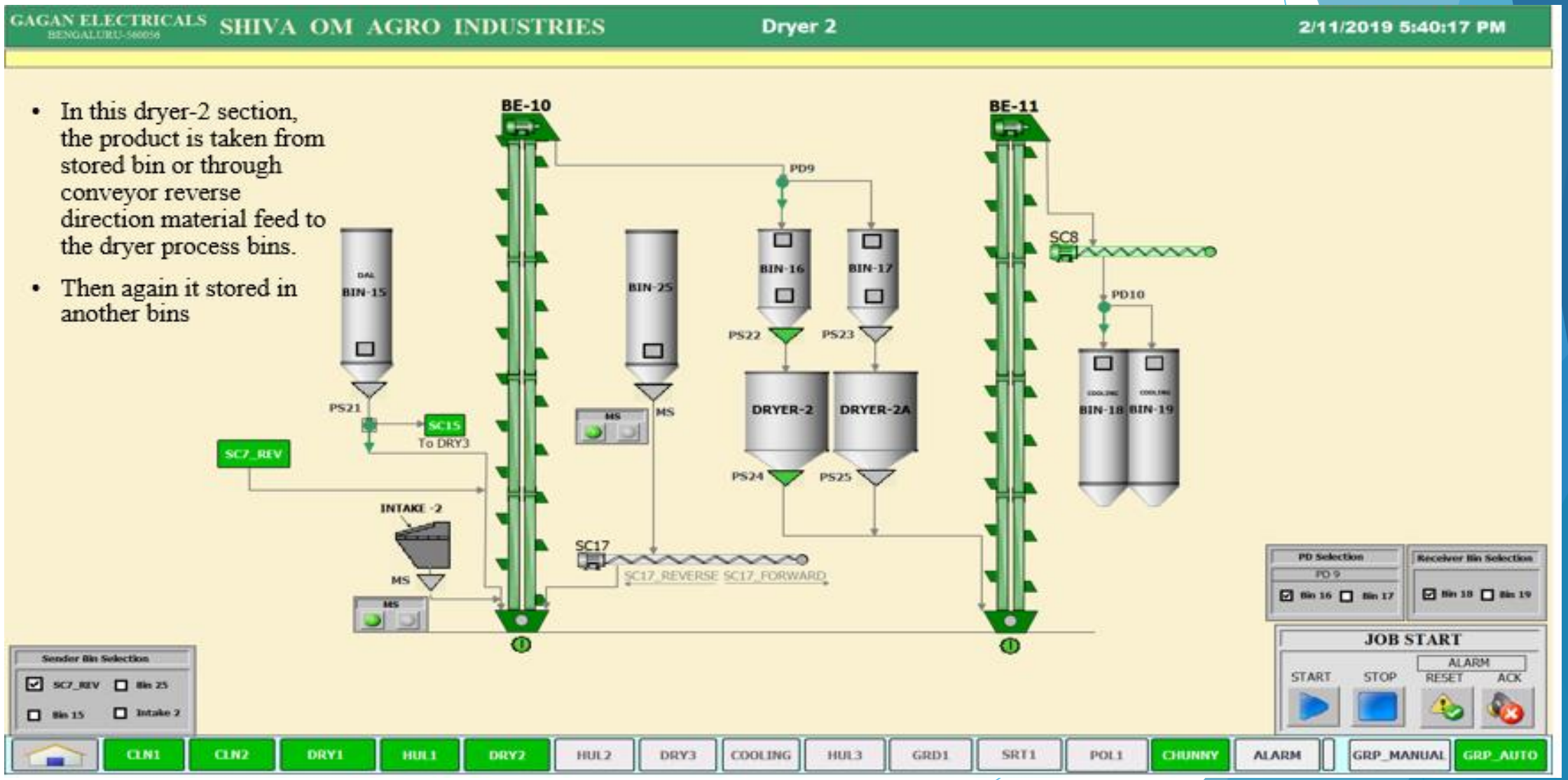


Hulling-1 section screen

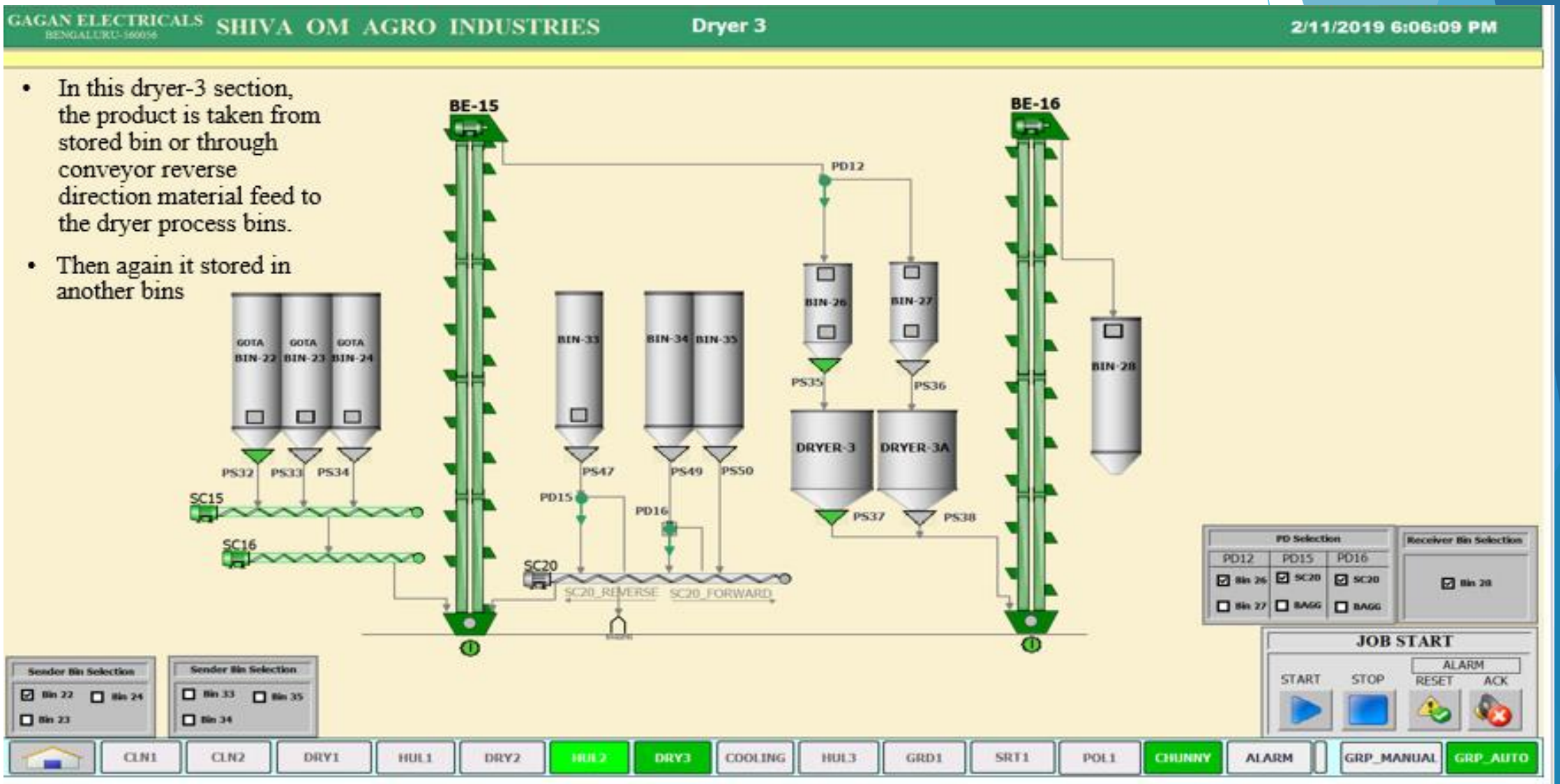


Dryer-2 section screen

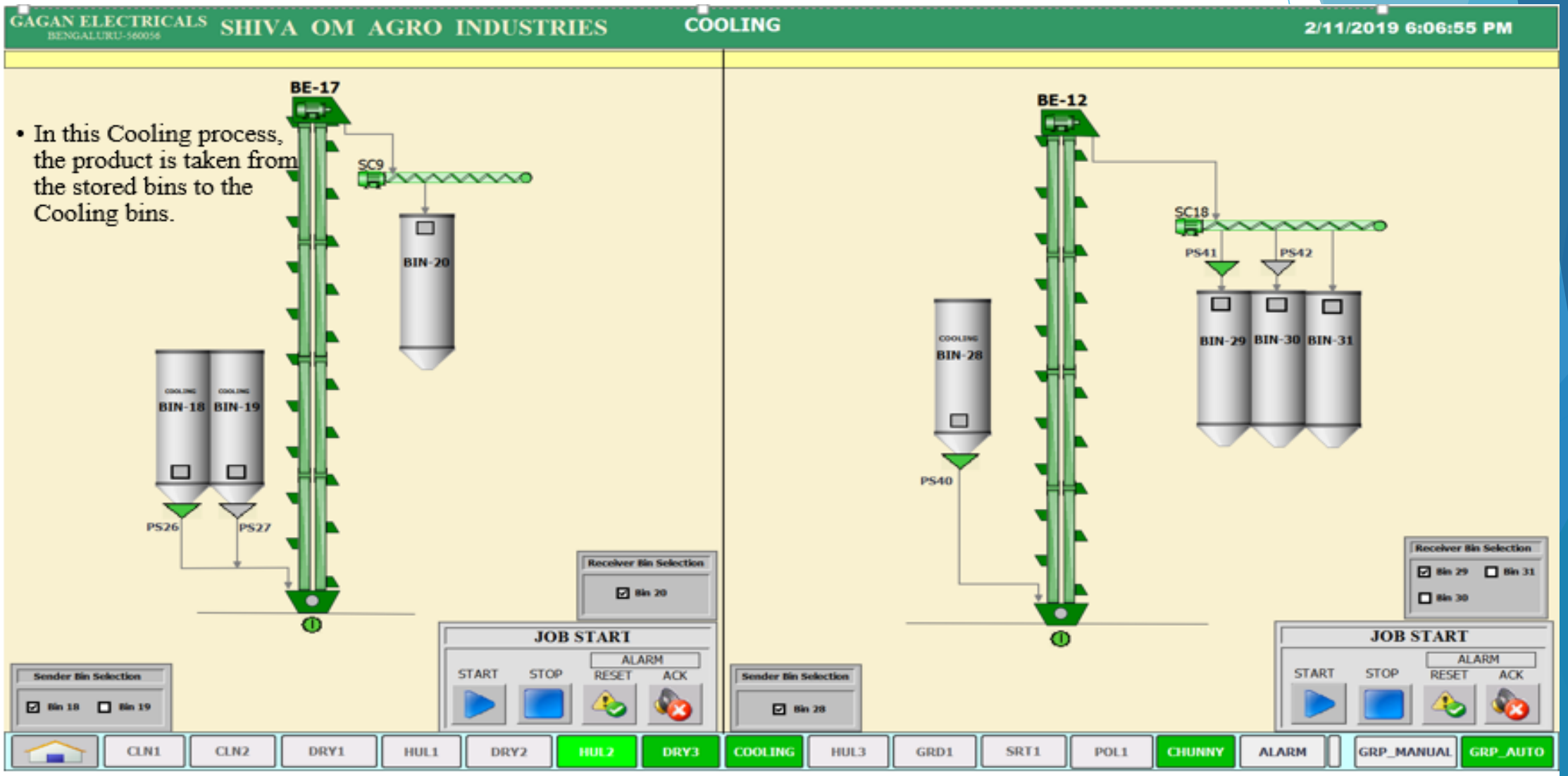
- In this dryer-2 section, the product is taken from stored bin or through conveyor reverse direction material feed to the dryer process bins.
- Then again it stored in another bins



Dryer-3 section screen



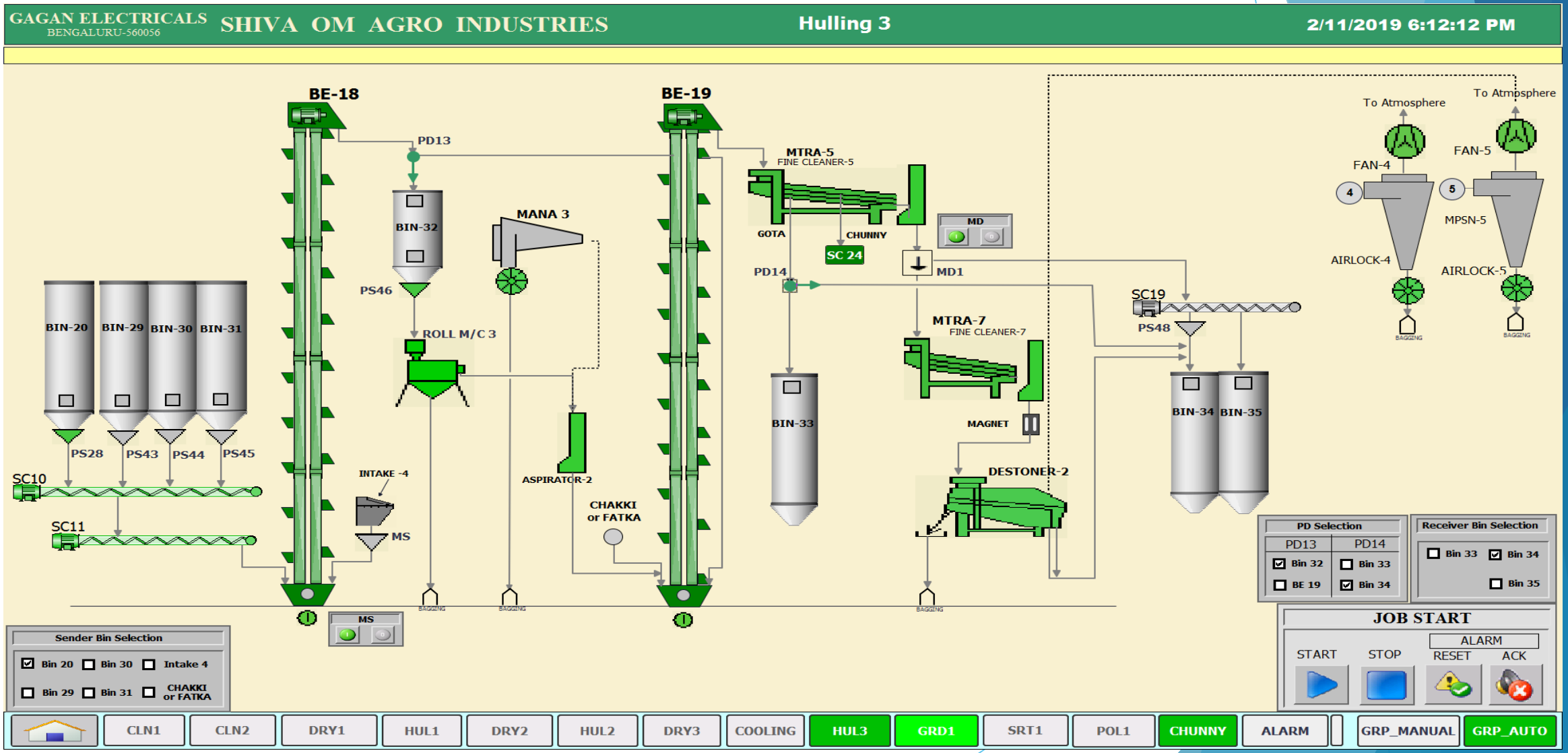
Cooling section screen



Hulling-3 section screen

- In this Hulling-3 section, the product is taken from stored bin to the third Roller process machines.
- The product after the third roller process again, it added to the fine cleaner machine for the cleaning process.
- The product after cleaning process it added to Destoner machine to remove the stones in the martial.
- And again it stored in another bins.

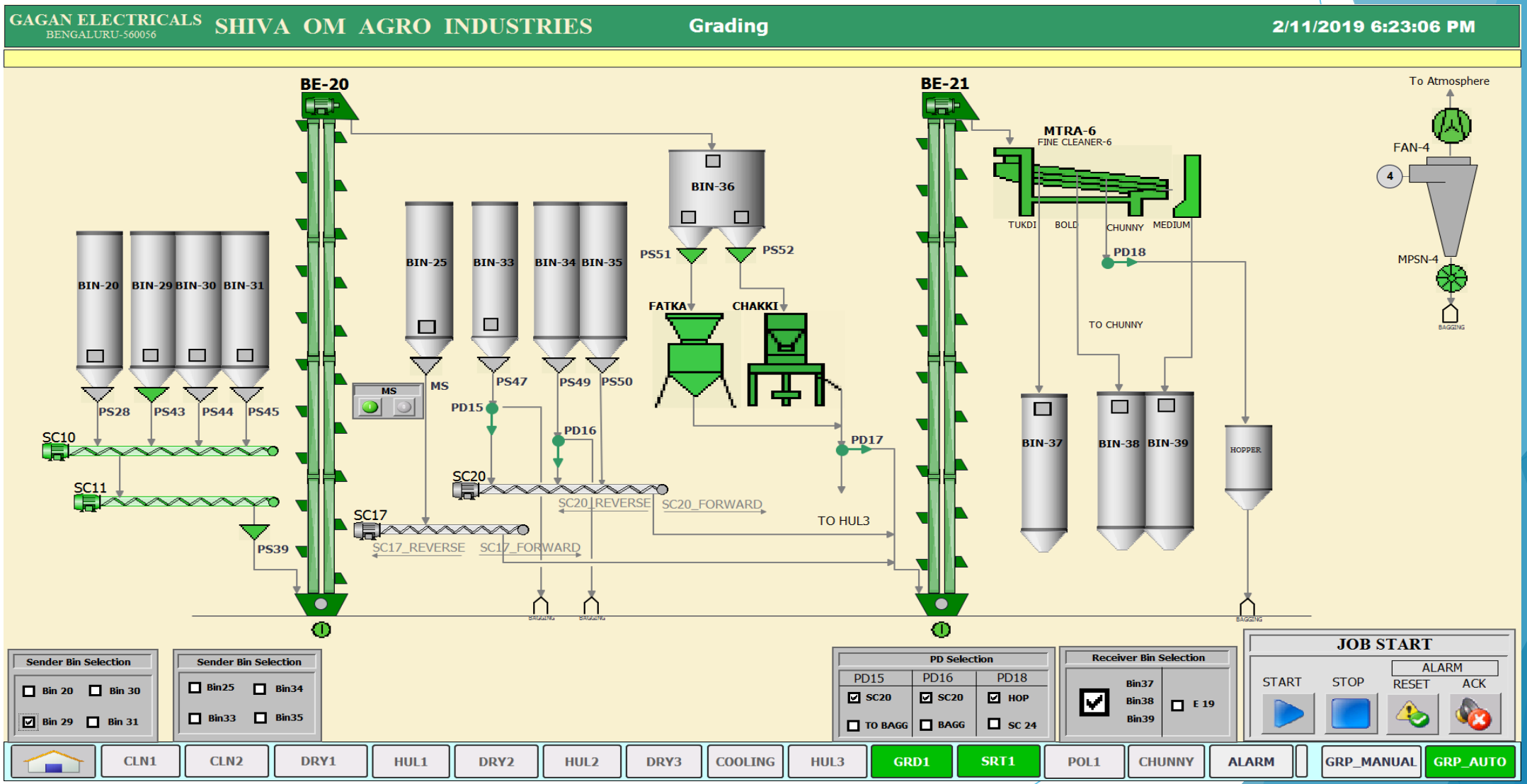
Hulling-3 section screen



Grading section screen

- In this Grading section, the product is taken from stored bin added to the Chakki & Fatka machine.
- In this Chakki & Fatka process, the machines broke the pulses.
- After broken pulses again it added to the cleaning process.
- And it stored in bins.

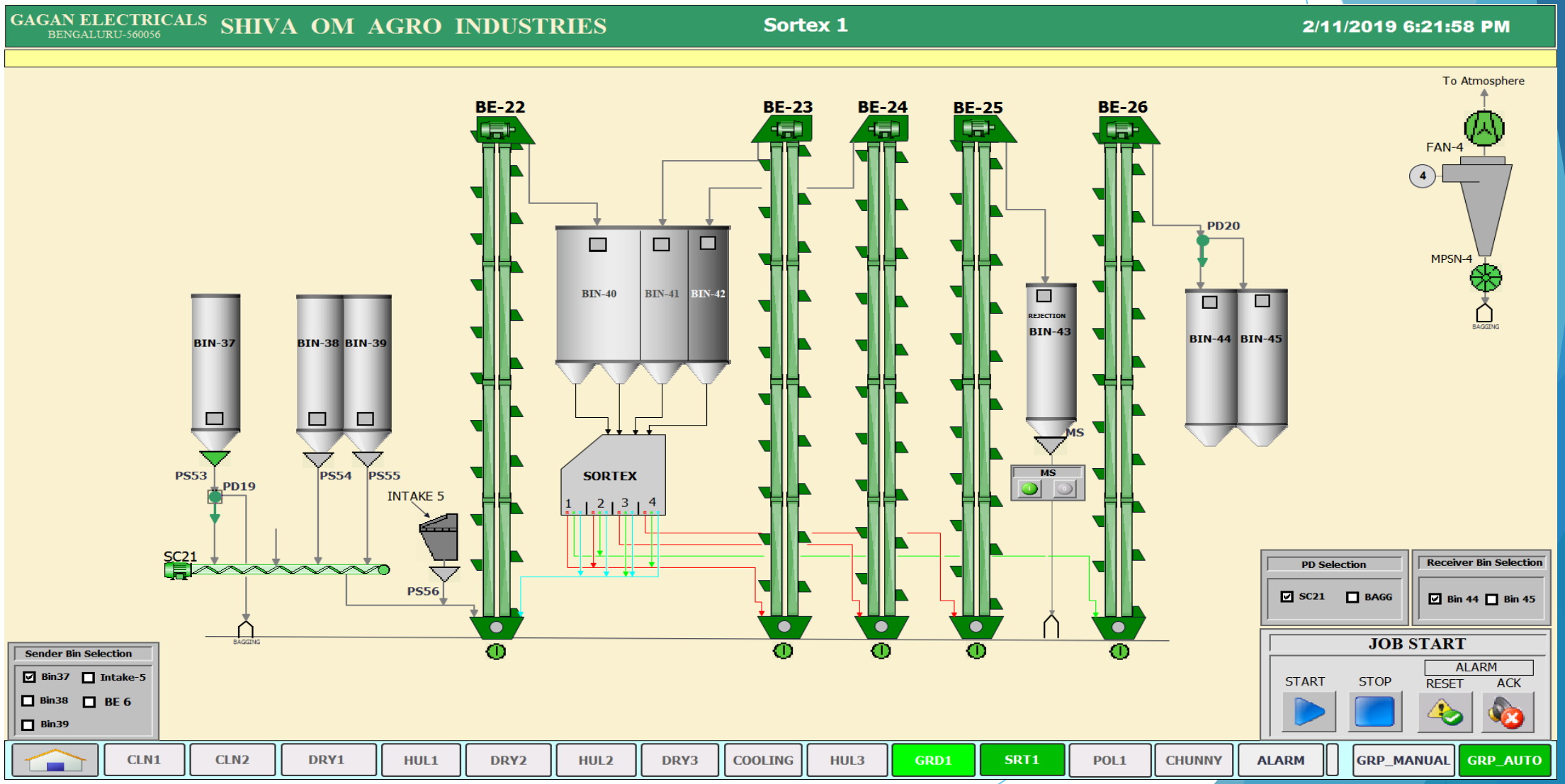
Grading section screen



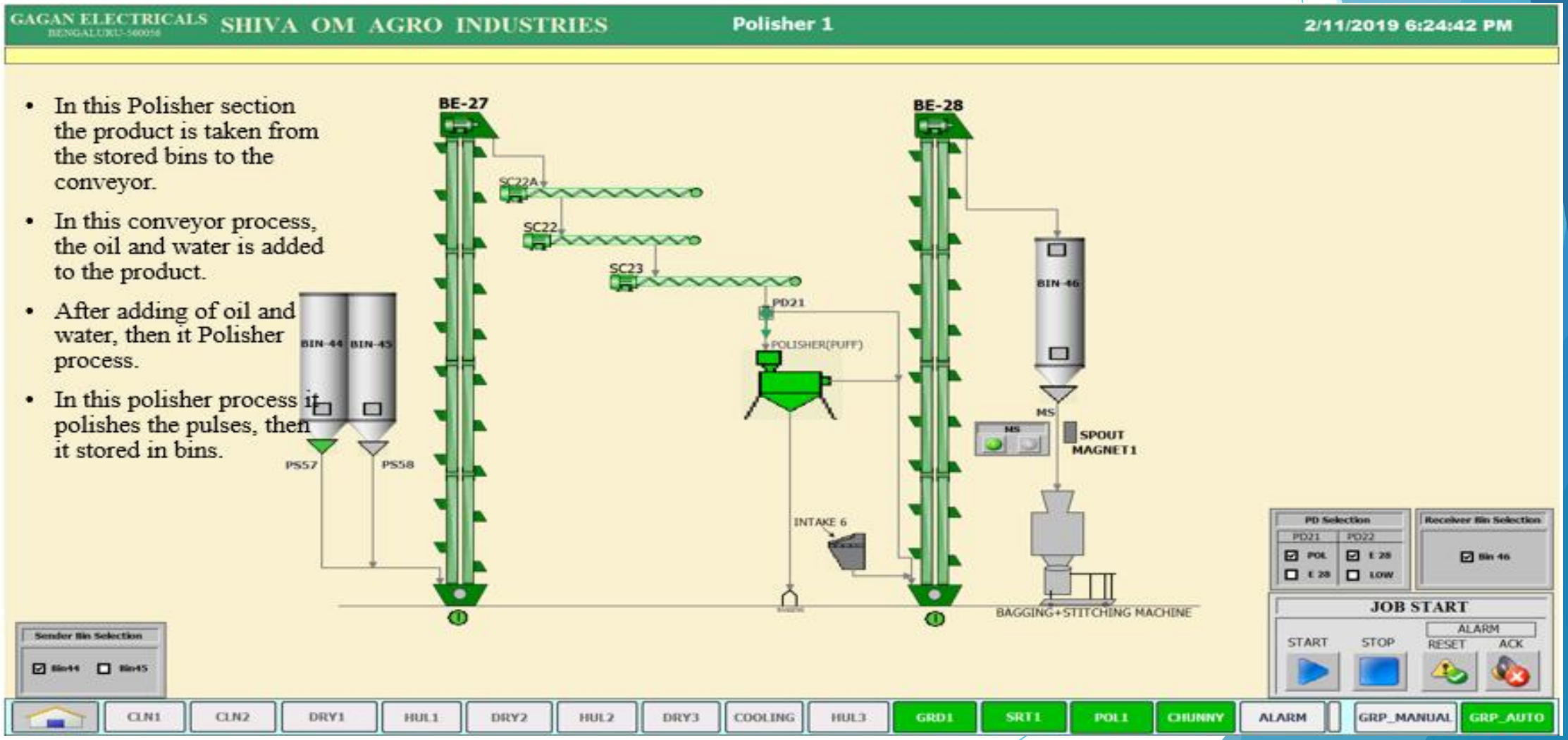
Sorting section screen

- In this Sorting section the product is taken from the stored bins to the Sortex machine.
- The Sortex machine is a high precision ejection system that minimizes false rejects of good pulses, delivering highly concentrated reject pulses.
- The availability of secondary, tertiary and simultaneous reverse sorting helps to minimize loss of good pulses.
- Then after sorting process the product stored in bins.

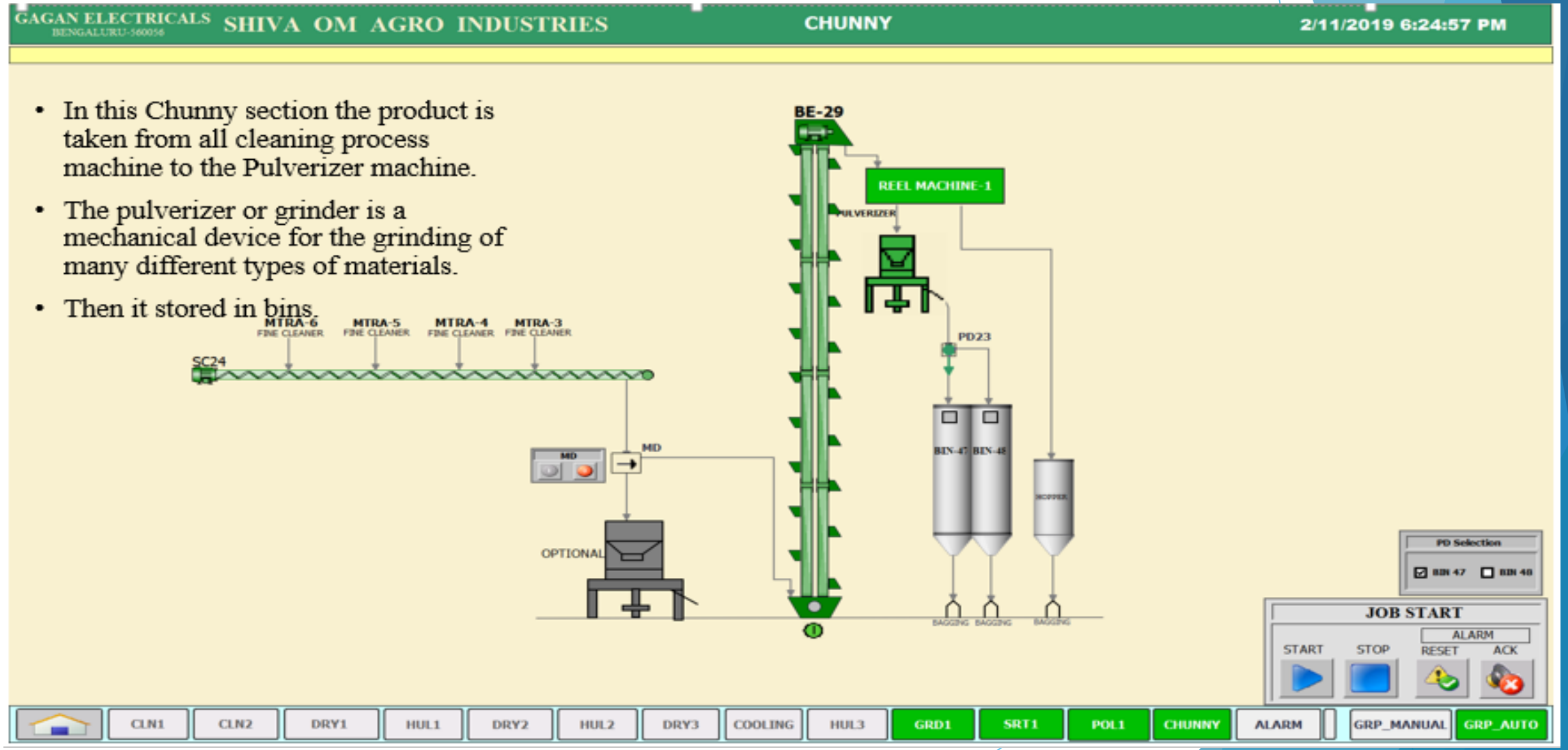
Sorting section screen



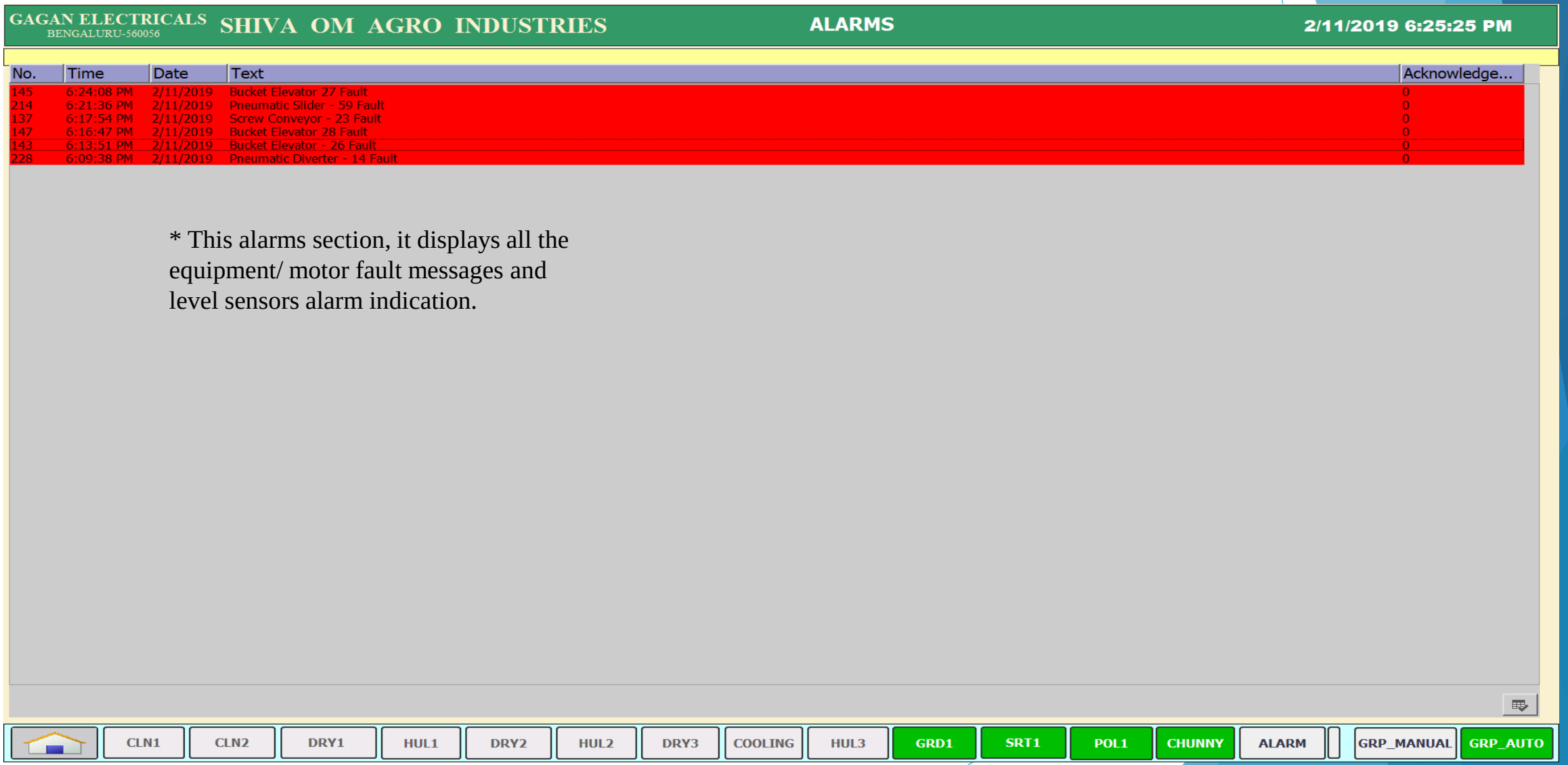
Polisher section screen



Chunny section screen



Chunny section screen



* This alarms section, it displays all the equipment/ motor fault messages and level sensors alarm indication.

DASARA POOJA WITH STAFF

DASARA POOJA WITH FAMILY

ARROW AUTOMATION PACKING SYSTEM

ARROW AUTOMATION PRESENTATION MEETING WITH TTIPL & KYB CUSTOMER

GROUP PHOTO WITH TTIPL & KYB CUSTOMER

THANK YOU