VOLDE

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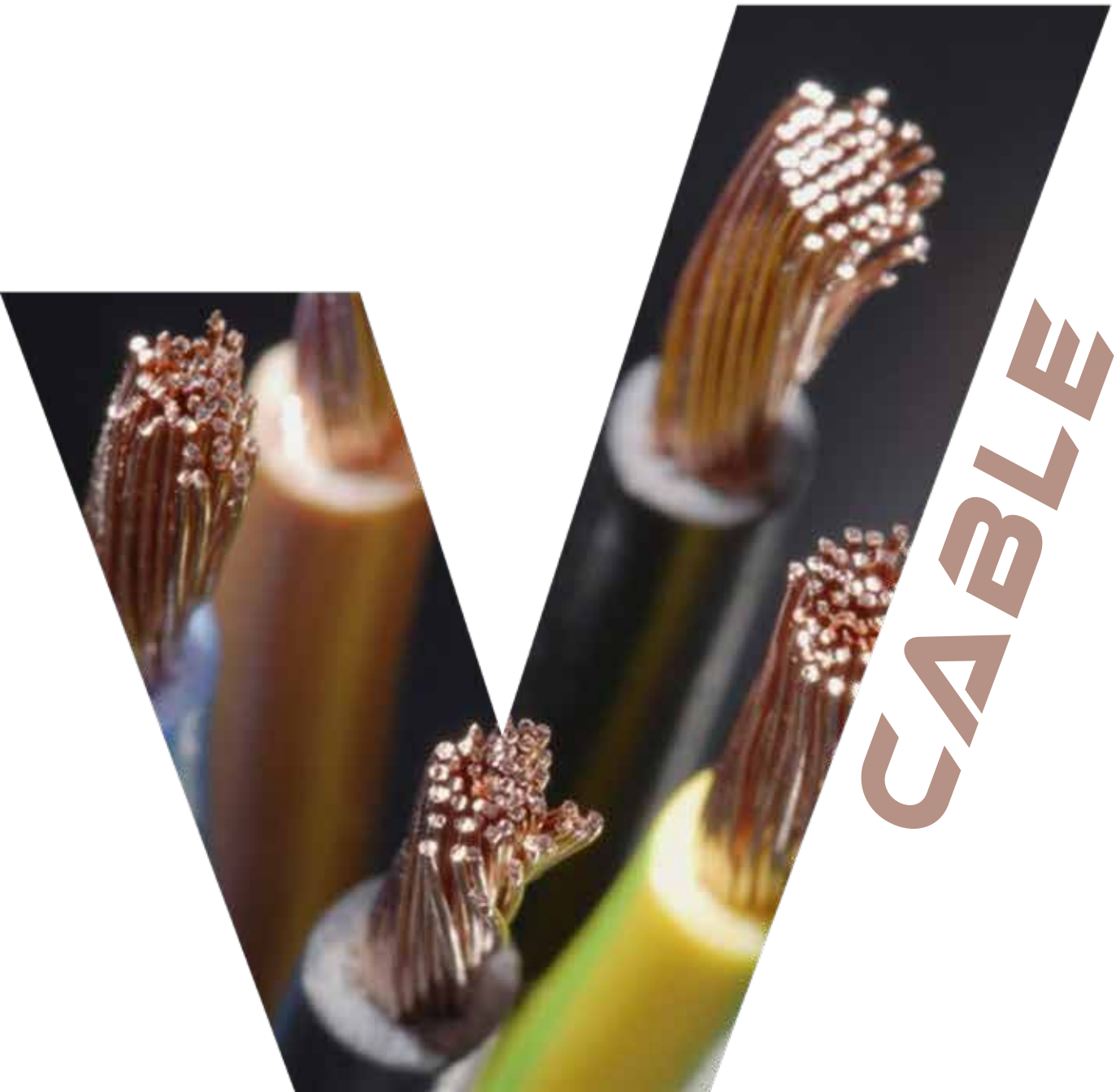


CABLE

RAW MATERIAL STORAGE

Silos
Silo Filling & Discharge
Liquid Tanks
Big Bag Filling & Discharge

•

DOSING & WEIGHING

Recipe Preparation
Additive Dosing
Vacuum Weighing
Gravimetric Feeders

•

PNEUMATIC CONVEYING

Dense Phase
Dilute Phase
Vacuum Conveying

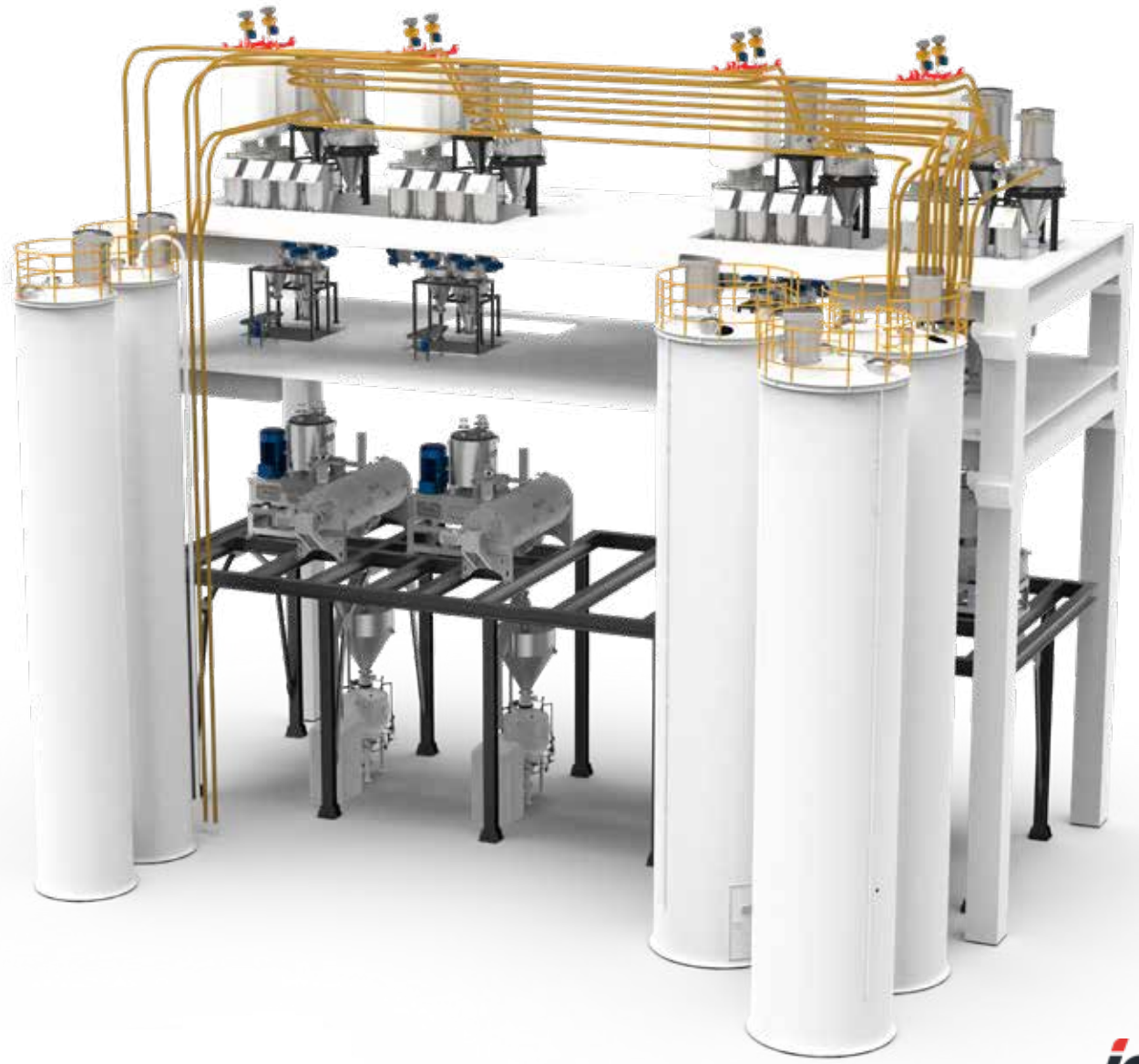
PVC

PVC Processing

Inner Sheath
Outer Sheath
Filling

Compounding

Masterbatch
PE
HFFR
Carbon Black



CABLE

Compound Extruder Feeding System

Cable Production Plant / DENİZLİ

Purpose

In the HFFR cable plant, feeding the extruder for compound production.

Operating Principle

The ATH, MGOH, WAX, Coupling Agent, EVA, and additive granules arriving in big bags are transported to the bunkers using VACUMATE. The materials are stored in the bunkers and, when needed, are emptied using gravimetric feeders to ensure continuous operation of the feeding system.

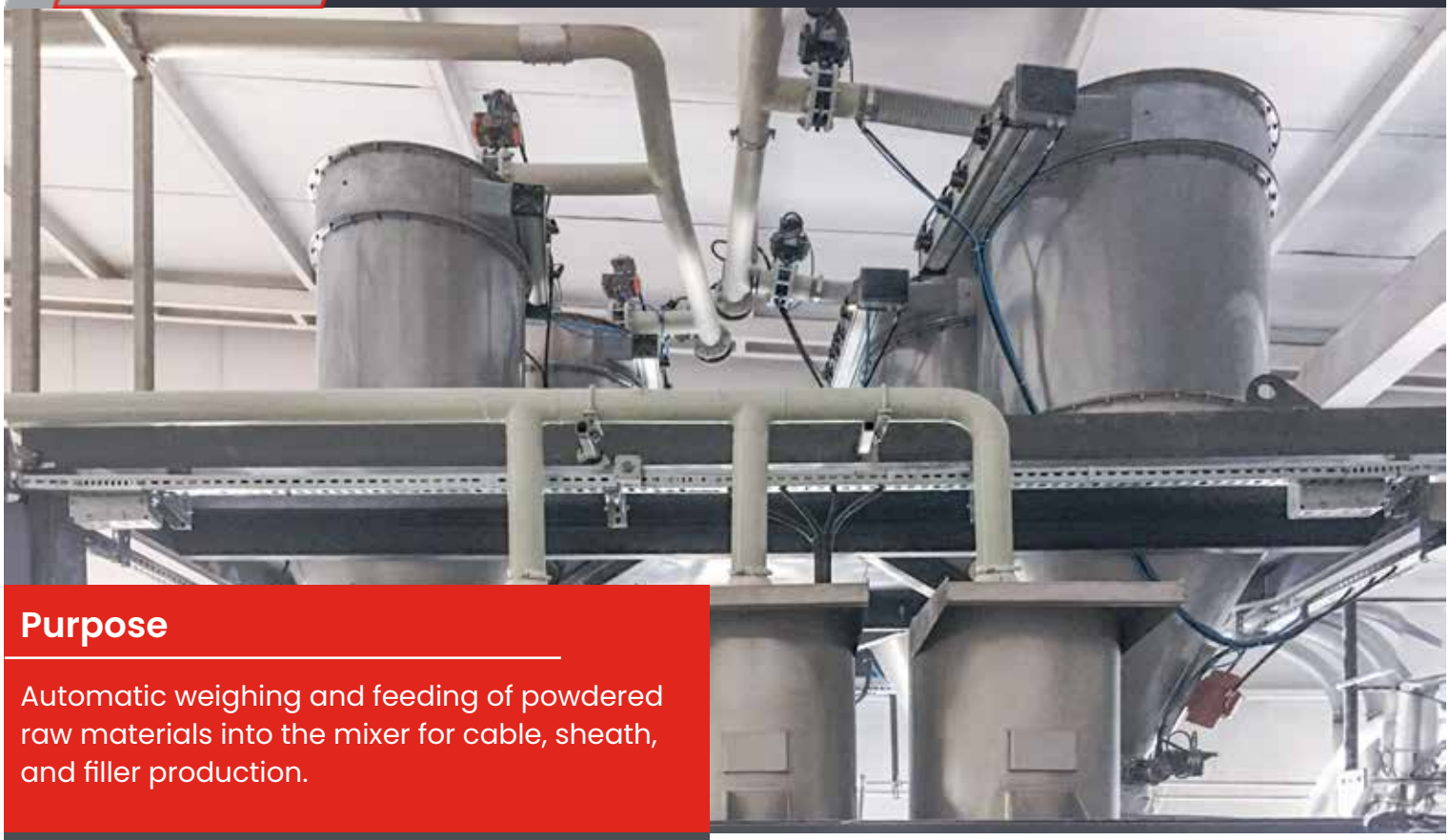
Equipments

- FREEBAG Big Bag Discharge
- VACUMATE Vacuum Conveying
- Bag Filling Bunkers

CABLE

PVC Mixer Feeding System

Cable Production Plant / KAYSERİ



Purpose

Automatic weighing and feeding of powdered raw materials into the mixer for cable, sheath, and filler production.

Operating Principle

In the facility, there is one mixer available. PVC, calcium carbonate and 3 kind of additives participate in production using silos, big bags, and sacks. Each has its own weighing system. According to the recipe selected from the SCADA system, each raw material is weighed, and appropriate formulations are fed into the mixer.

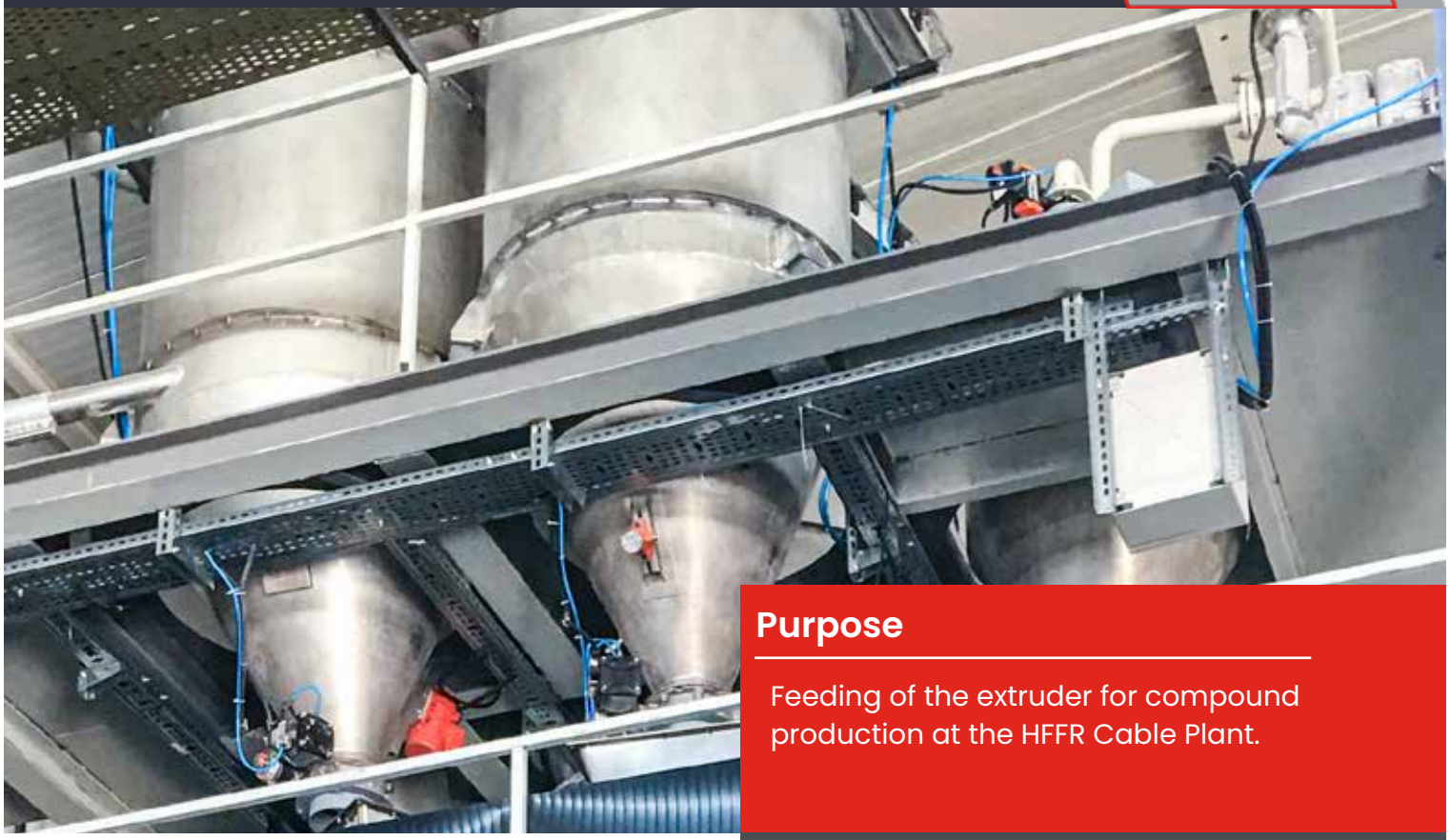
Equipments

- 100m3 Silos
- SILOCONE Activator
- VACUMATE Vacuum Conveying
- FEEDWELL Feeding System
- Weighing Bunkers

CABLE

HFFR Compound Extruder Feeding

Cable Production Facility / KAYSERİ



Purpose

Feeding of the extruder for compound production at the HFFR Cable Plant.

Operating Principle

The granules of ATH, MGOH, WAX, Coupling Agent, EVA, and additive, which are delivered in big bags, are transported to the bunkers using VACUMATE. The materials, already prepared and waiting in the bunkers, are discharged using signals from gravimetric feeders, ensuring the continuous operation of the feeders.

Equipments

- FREEBAG Big Bag Discharge
- VACUMATE Vacuum Conveying
- Bag Feeding Bunkers

CABLE

Masterbatch 6-Color Dosing System

Cable Manufacturing Plant / TEKİRDAĞ

Purpose

Feeding the material to the masterbatch extruder in the cable production plant.

Operating Principle

The 6 main colors of powder paint to be used in the system are emptied into bag dumping bunkers, each equipped with its own filter. When the lid is opened, the filter starts automatic suction to prevent the operator from being affected by the dust. The powders are dosed according to the quantity entered in the recipe to create the mixture. This mixture is then processed through the extruder and granulator to form the masterbatch.

Equipments

- Bag Dumping Bunkers
- CLEANJET Jet Pulse Filter
- FEEDWELL Feeder

CABLE

Granule Vacuum Conveying and Extruder Feeding

Cable Manufacturing Plant / TEKİRDAĞ

Purpose

Drying and pneumatic conveying of granules used in cable manufacturing

Operating Principle

The HFFR granules exiting the granulator are sent to a drying machine with the help of a fan. Here, the dried granules are conveyed to a storage bunker using a blowing method. Subsequently, they are filled into transport carts and taken to the extruder for production.

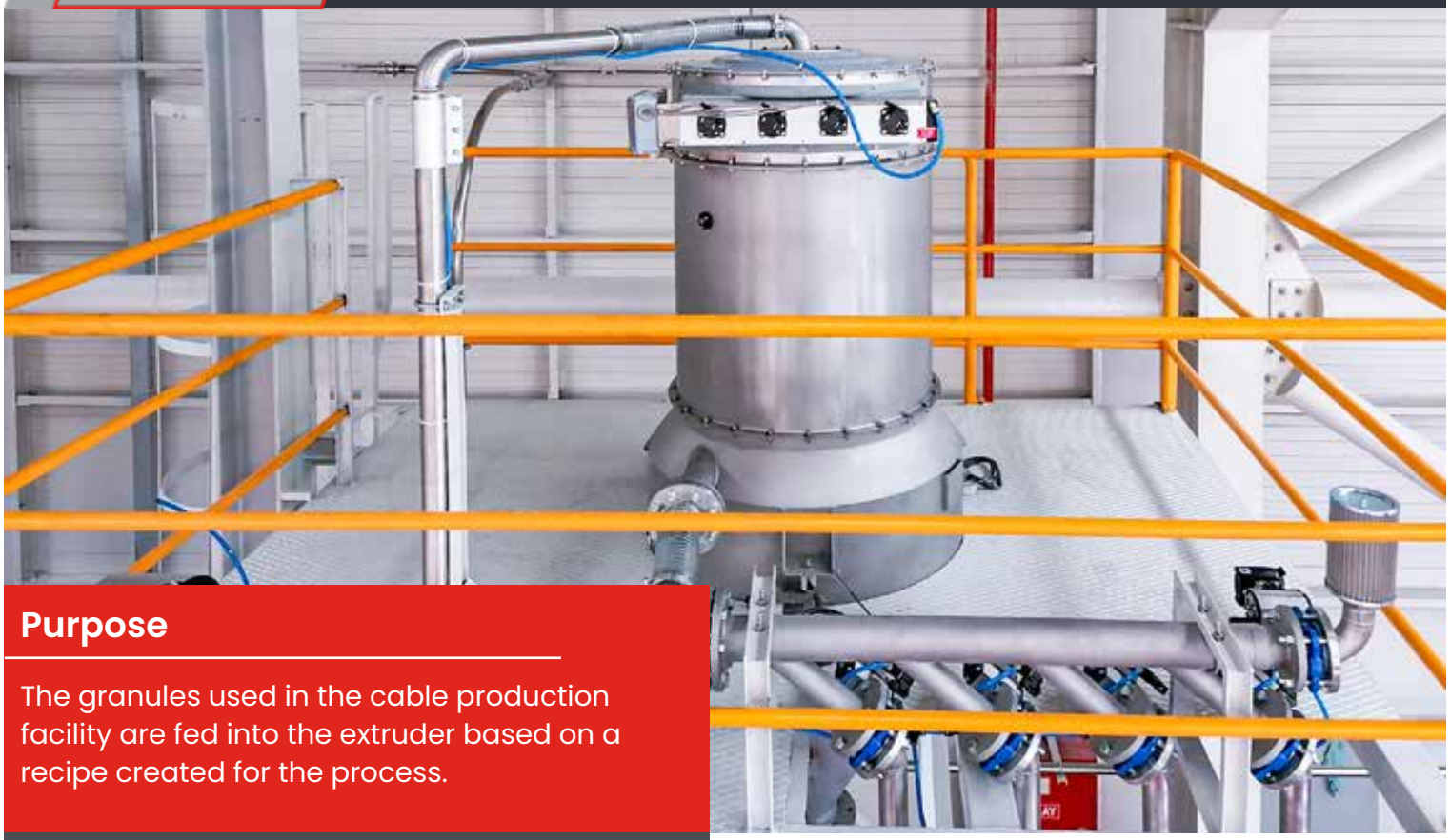
Equipments

- VACUMATE Vacuum Conveying

CABLE

Granule Vacuum Conveying System

Cable Manufacturing Plant / TEKİRDAĞ



Purpose

The granules used in the cable production facility are fed into the extruder based on a recipe created for the process.

Operating Principle

The four types of granular raw materials, which come in big bags and octabins, are weighed and transported using VACUMATE to create a formula according to the entered quantity in the recipe. The prepared mixture is then transferred to the transport bunker and automatically fed to the requested extruder.

Equipments

- FREEBAG Big Bag Discharge
- VACUMATE Gravimetric Conveying

CABLE

Recipe Preparation and Mixer Feeding System

Cable Production Facility / MANİSA

Purpose

Feeding Powder Raw Materials to Mixer for Cable, Sheath, and Filler Production

Operating Principle

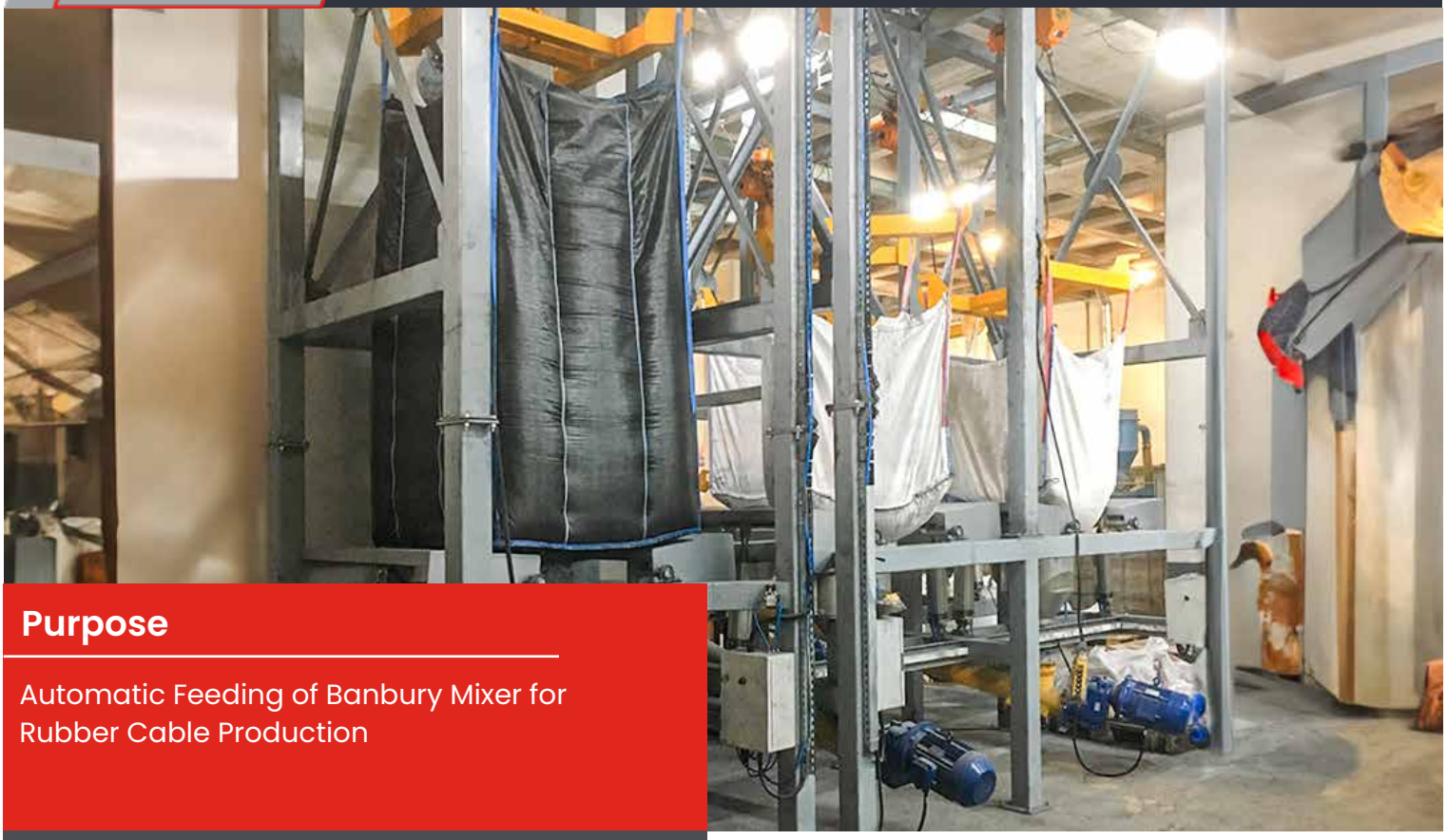
In the facility, there are 3 mixers. PVC, calcite, and 3 additives are introduced into production using silos, big bags, and bags. Each has its own weighing system. According to the recipe selected from SCADA, each raw material is weighed to feed the mixer with appropriate formulations.

Equipments

- 70m3 Silos
- SILOCONE Activator
- VACUMATE Gravimetric Conveying
- FEEDWELL Feeding System

Banbury Feeding System

Rubber Cable Plant / KOCAELİ



Purpose

Automatic Feeding of Banbury Mixer for Rubber Cable Production

Operating Principle

Carbon black and other raw materials coming in big bags are dosed using 6 FREEBAG systems. On the other hand, 24 types of powdered additives are manually weighed using an operator panel and weighing system. Neoprene blocks are prepared to the desired weight and placed on the feeding conveyor. Liquid paraffin is automatically weighed in the weighing pan. All these raw materials are fed into the Banbury mixer through the mixer's covers according to the production scenario.

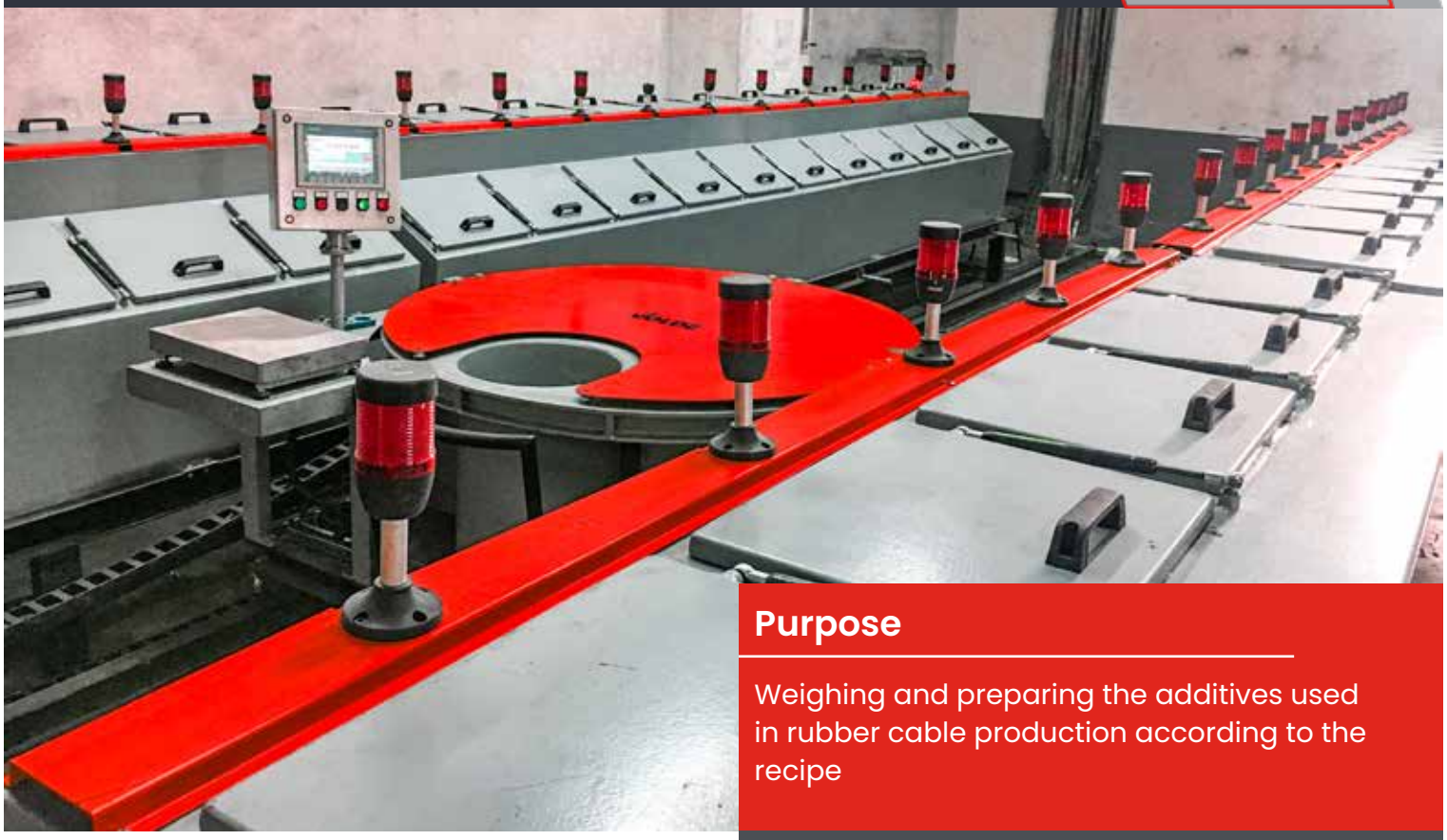
Equipments

- FREEBAG Big Bag Discharge
- Micro Dosing System
- SCADA Recipe Automation

CABLE

Semi-Automatic Micro Dosing System

Rubber Cable Plant / KOCAELİ



Purpose

Weighing and preparing the additives used in rubber cable production according to the recipe

Operating Principle

The system features a movable weighing trolley with 6 hoppers. An operator can see the bunker code of the desired recipe on the display and the corresponding bunker's light turns on, indicating it's unlocked. After weighing the material, the lid is closed, and the operator moves on to the next ingredient displayed on the screen. Up to 6 mixtures can be prepared simultaneously. Once ready, a barcode is generated for the mixture. After scanning this barcode and receiving confirmation, the mixture is added to the mixer.

Equipments

- Micro Dosing System

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