



PACKET FORMING LINE ACCORDING TO PALLET MOLLERS SCHEME

Packet forming line according to pallet scheme by MOLLERS (Germany) is commissioned by specialists of Energocomplekt CJSC at oil-processing plant Salavatnefteorgsintez OJSC. The line is designed for stacking bags to pallets and packing of formed pallets into shrink film. Base type of automatic devices for stacking a cargo on pallets PLS 1200. Nominal capacity – 45 pallets/hour (1200 bags/hour).

Contents



Weight checker



Metal detector with conveyer



The line includes the following items:

- | Reception tape conveyor,
- | Metal detector for sorting out bags with metal inclusions,
- | Weight checker for sorting out bags with wrong weight,
- | Inkjet printer for printing on bag sides,
- | Conveyor (sorting automatic device) for removal of bags with wrong weight to one side and with metal to another side,
- | Inclined conveyer with tamping device,
- | Automatic pallet loader,
- | Roller conveyor for transportation of the stacked pallets to an automatic packing machine,
- | Roller conveyor for transportation of the packed pallets to loading zone,
- | Stacking electric control,
- | Set of cables and trunking.

Automatic pallet stacker consists of the following items:

- | Special swing system
- | Clock belt device
- | Layer pusher with centering device
- | Pallet lift and conveyor
- | Plate for layer subforming
- | Magazine for empty pallets
- | Service platform

Additional equipment and materials

- | Programming device by Siemens company;
- | SPTA (approximately 5% from equipment cost);
- | Standard documentation with translation into Russian;
- | Protective guard around equipment.

SPECIFICATIONS

| | |
|--------------------|------------------------|
| Bag type | Bags from tubular film |
| Weight of full bag | 25 kg |

Dimensions of full bag

Length: 600-680 mm

Width: 450-460 mm

Height: 160-180 mm

Pallet capacity

1800 bags/hour (at 8 layers min.)

Dimensions of empty pallet

1200 x 1000 x 145 mm

Pallet type

2-4 slots, wooden (plastic)

Mode of bag stacking at pallet

5 bags/layers in package (3 bags across, 2 bags along)

Number of layers at pallet

Max. 12 layers, max. 1500 kg

Type of shrink film

Polyethylene shrinkable (LDPE)

Thickness of shrink film

80-140 micron (120 or 140 are recommended)

Electrics

Operating voltage

380 V \pm 1%, 3-phase

Frequency

50 Hz \pm 5 %

Electrical protection type


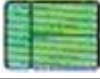
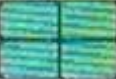





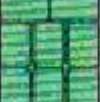
Distribution cabinets

IP 55

Standards

DIN and GOST

Variants of bag stacking on pallets

| Formation, pcs. | Stacking variants | Bag width, mm | Bag length, mm | Pallet width, mm | Pallet length, mm |
|-----------------|-------------------------------------------------------------------------------------|---------------|----------------|------------------|-------------------|
| 2 |  | 550 | 1100 | 1100 | 1100 |
| 3 |  | 400 | 800 | 800 | 1200 |
| 4 |  | 400 | 800 | 800 | 1200 |
| chimney |  | 450 | 650 | 1100 | 1100 |
| 5 |  | 400 | 600 | 1000 | 1200 |
| 6 |  | 300 | 600 | 800 | 1200 |
| 6 |  | 400 | 600 | 1200 | 1200 |
| 7 |  | 300 | 400 | 800 | 1200 |
| 8 |  | 275 | 425 | 800 | 1200 |

The company carried out delivery, starting-up and commissioning works, and training of the service personnel.

Term of delivery is 6 months from the moment of contract signing and advance payment.
