

Goa University
Goa Business
School



MBA Course 4th Semester

INTERNSHIP REPORT

To Prof: NILESH BORDE

BY

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About Company

Syntegon Technology India offers customized packaging solutions for the domestic and international markets in the food and non-food segment. The ISO 9001: 2015 certified unit designs, manufactures and markets vertical form, fill and seal machines and horizontal flow wrap machines.

In 1995, Syntegon started its operations in Bangalore, India. It was relocated to Verna, Goa, in 2007. Just five years later, a new state-of-the-art manufacturing and development facility was inaugurated in Goa, intending to fulfil capacity expansion and meet the increasing demand of domestic and international markets. In 25 years Syntegon India has shown sustainable growth right from the time of inception. With 150 well qualified and experienced employees and an installed base of over 3,000 machines in India and overseas, it is one of the top players among the packaging machinery manufacturers.

Product

Syntegon Technology provided packaging machinery for industries like Pharma, Bio Pharma, fine chemicals, Medical Devices and Diagnostics, food and confectionary industry, pet food and detergent etc.

Horizontal Packing machine





Vertical filling Machine

Packaging Machinery Market Overview

The Packaging Machinery market is forecast to reach \$40 billion by 2025, growing at a CAGR of 5% during 2019-2025. The packaging machinery market is likely to witness a strong growth from e-commerce sector as the industry experienced a Y-o-Y growth of 11.32% from 2017. Similarly, the changing customer preferences from using plastic based packaging to environment friendly packaging is anticipated to drive the market for new packaging machinery during 2019-2025. Many end users are replacing their older machine with the new packaging machine which can process biodegradable materials. Similarly, the surging demand for packaged and processed food is likely to increasing the demand for packaging machinery in food and beverages sector.

Porter Five Forces Analysis

Competitive Rivalry

Syntegon faces rivalry from the firms like Krones AG, Coesia S. P.A, BW Packaging Solution. Asian Packing Solution, MG America, etc. The rivalry amongst firms is very high. They compete on the basis of speed, capacity, machines, the efficiency of the machine, and technology used in a machine.

Bargaining Power of Buyers

The bargaining power of a buyer is high in the industry. The number of buyers is low as it is, a B2B form of business, and products are highly customized on the basis of the needs of a customer. Each customer has a different need. So, the buyer plays a crucial role in the industry.

Bargaining of Supplier

The bargaining power of the suppliers is low in the industry. As a lot of suppliers are available in the market, and specification required for the components of the machines are also stated by the manufacturer, so bargaining power of suppliers is low.

Threat of Substitute

The threat of the substitute is low. The substitute in this industry would be doing the packing process manually, which would lead to an increase in the cost of production of the customer and the packaging processes would be more time consuming

Threat of New Entrants

Threat of new entrance is low as the cost of production of the machinery is very high. Firms in the industry required continuous research and development, and highly advanced technologies to compete against the existing firm in the industry.

PESTEL ANALYSIS

Political Factor

India has good international relationships with other countries which provide good opportunities for the export and import of the product. Stability in the government provides a boost to the manufacturing business and also increases the flow of foreign direct investment in the country. The government of India has also passed many schemes which provide a boost for the manufacturing industry. The government has recently launched the Production Linked Incentives scheme to boost domestic manufacturing and attract large investments in the electronics value chain including mobile phones, electronic components.

Economical

Increase in the inflation rate affect the industry. As an inflation increases the prices of the raw material increases which leads to increase in the cost of the machinery.

Social factors

The rise in e-commerce has created a positive impact on the packing industry. Ecommerce has created a rise in the demand in the packaging industry.

An increase in the income of people has affected the industry positively.

Change in the lifestyle has also created a positive impact on the industry. People are getting busier, which leads to an increase in the demand for packed food.

Technological factor

Technological factor which affects the most in the industry. Packaging machinery is highly tech-savvy. Rapid change in the technology affects the firm in the industry; in order to sustain in the market, a high level of investment in the field of technology and research and development is required.

Environment factors

Due to environmental concerns, the materials used for the packaging are frequently changed, which affects the industry.

Change in the climatic condition also affects the shelf life of the product. So packing industries need to take this factor seriously.

Legal factor

Legal factor which the most are the lawsuit regarding copy right and patent

SWOT Analysis

Strengths

Brand Value

Syntegon was formally known as Bosch Packing technology which has a high brand value in the packaging industry which gives the firm a competitive advantage.

Patents and Rights

Syntegon technologies have patents and right in the packaging machinery segment, which gives the advantage over its competitors.

Weakness

High Prices product

The packaging machinery is a highly-priced product that cannot be afforded by the small-scale business.

Over-dependence on a single segment

Syntegon highly depends on the packaging machinery for its revenue generation

Opportunities

Boom retail

Boom in the retail and ecommerce, changing life style of the people industry will impact the industry positively this will lead to increase the demand for the packing industry.

Threat

Rapid change in Technology

Packing of machinery industry is a highly tech savvy industry. So, change in the industry affect the most. There is need for the continuous research and development to maintain its position in the market.

Change in the Environmental condition

Environmental factor affects the packing machinery industry. Change the climate change is the climate affect the sustainability of the product. Use of the ecofriendly material in packing industry is also challenge in the industry.

VRIN ANALYSIS

VALUABLE

Brand Image

Syntegon was formerly known as Bosch Packing Technologies, which has a high brand value in the market of the packaging industry. This provides Syntegon a competitive advantage in the industry.

Product Range

Syntegon has a wide variety of product ranges that provides a packaging solution for the industries like pharma, biopharma, fine chemicals, medical devices, food and confectionary, pet food and detergents, etc.

Rare Resources

Research and development in the field of packing machinery industry. Research and development provide high quality standards to the product, increases efficiency, safety of the machinery which provides competitive advantage to the organization.

Inimitable Resources

Syntegon has patents and rights related to the packing machinery, which are Inimitable.

Non-Substitute

Syntegon has more than 150 years of experience in the packing machinery industry.

Statement of Problem

Since inventory control is plays the crucial role in the manufacturing unit as it utilizes working capital is very important to manage it. It helps to reduce the cost and also helps to reduce e of the material so I have chosen to do ABC Analysis at the Syntegon technology India.

Need For the Study

The inventory ensures operation smoothness. In most companies, a significant portion of the capital is invested in stock so company management need to focus on the inventory regulation to optimise the working capital reduce wastage of raw material.

Objective

To understand the inventory management system at Syntegon.

To understand the effectiveness of the ABC analysis.

To understand requirement and the better utilization of the working capital.

Research Methodology

Since the data is extracted from the company record, A descriptive method is used for the study. Primary data is collected from the company accounting software i.e SAP

ABC Analysis

A Category Item

Item which has value of 80000 or greater than value 80000 are categorized into A category

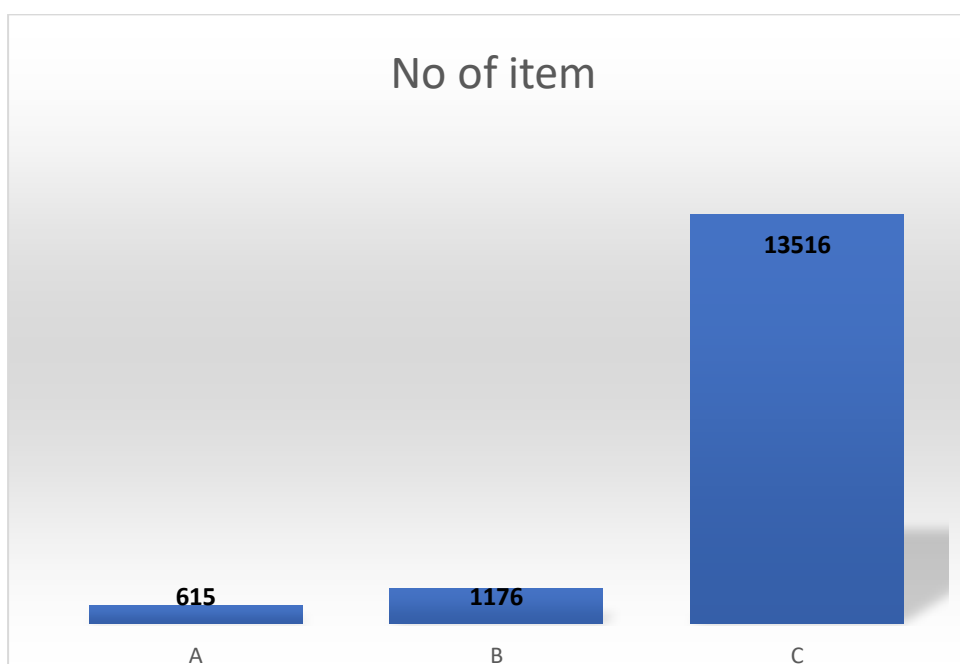
B Category

Item which has value between 26000-80000 are categorized into B category

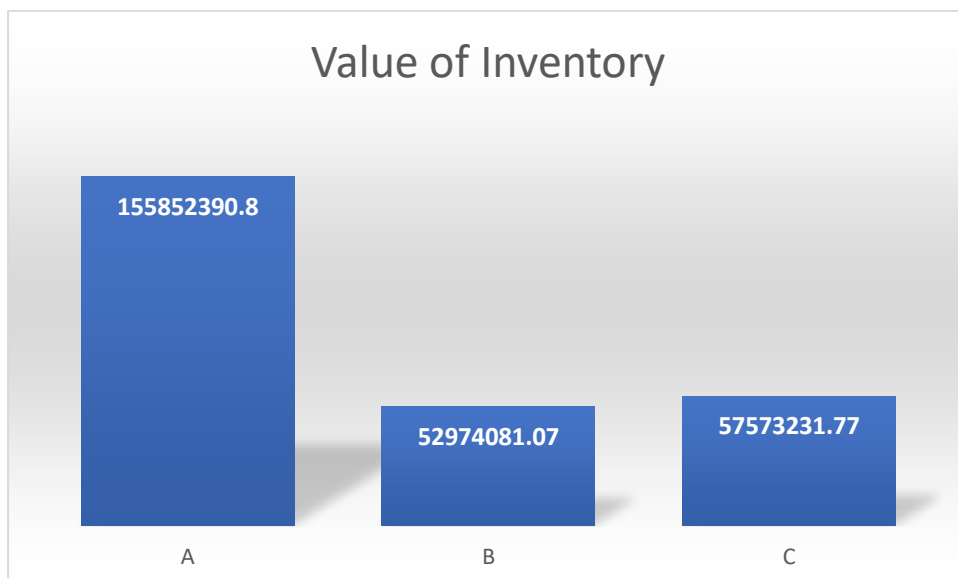
C Category

Item which has value less 26000 are categorized into C

Finding & Analysis



Syntegon Technology India has total number 15307 item in the inventory out of which 615 falls under A Categories while in 1176 items are in B category and in C category there are 13516.



Syntegon has total investment of 26,63,99,703.63 in the inventories. A categories items has an investment of 155852390.8 which 58.5% of the total value, whereas B categories item has investment of 52974081.07 which is the 19.8% of the total value of the investment. While C item has investment of 57573231.77 which is 21% of total investment

Conclusion

The ABC model works by paying attention to important elements or certain important elements and by not paying unnecessary attention to non-critical elements or small elements. Each category has different administrative controls. This prioritization of interests and priorities is important for identifying and controlling costs in the supply chain system. For best results, it is important to pay close attention to expensive items.

| Material Description | Base | Unrestricted | Value |
|--|-----------------|--------------|--------------|
| | Unit of Measure | | Unrestricted |
| 5/2 Directional-control valve | PC | 16 | 38,758.12 |
| 5/2-Directional-control valve | PC | 16 | 49,152.67 |
| del_Pressure Switch 0821100013 | PC | 17 | 34,973.84 |
| Single-acting pneumatic cylinder | PC | 33 | 33,064.67 |
| Clamping piece for hose/cable (6mm) | PC | 512 | 29,081.90 |
| CONNECTION PLUG | PC | 11 | 33,895.21 |
| 3/2-way magnet valve 5772550220; 24VDC | PC | 12 | 41,182.22 |
| 3/2 Directional-control valve | PC | 12 | 28,865.28 |
| Retaining ring | PC | 249 | 34,362.00 |
| Toothed Belt 50t10/920 left yellow | PC | 7 | 31,128.24 |
| Toothed belt 25T10/920 red | PC | 10 | 53,130.19 |
| Toothed belt 16T10/610 | PC | 106 | 36,781.54 |
| Magnetic lock LM 5203 | PC | 32 | 30,197.24 |
| 5/2 Solenoid valve MFH-5-1/4 24VDC;Festo | PC | 47 | 78,799.53 |
| Solenoid; MSFG-24VDC; Festo | PC | 164 | 63,169.08 |
| BLADE HOLDER | PC | 2 | 27,751.56 |
| torsion spring; | PC | 39 | 26,660.83 |
| NIPLE 1/2"X25mm SST | PC | 81 | 27,941.87 |
| Deep-groove ball bearing | PC | 68 | 58,483.36 |
| Ball sleeve KN 2045 PP | PC | 47 | 47,795.94 |
| Covering hood | PC | 88 | 32,230.64 |
| Cover | PC | 80 | 33,493.40 |
| Shock absorber H100 type ADA510MTP/04 | PC | 3 | 39,382.72 |
| Cover | PC | 90 | 30,343.63 |
| GRIP-SPRING TENSIONING E | PC | 35 | 32,226.28 |
| HEXAGON NUT | PC | 262 | 26,924.17 |
| Compression Spring ST12540-50CRV4 | PC | 104 | 45,004.34 |
| Toothed pulley; GT 8MR Z=70 | PC | 21 | 67,199.13 |
| GUIDE RAIL | PC | 4 | 46,588.66 |
| Pipe clamb Gr4-Nr430-PA | PC | 264 | 34,343.12 |
| Selbst-einstellend linear-Kugellag. KS25 | PC | 44 | 67,823.42 |
| GROOVED RING 30-40-10,4 | PC | 100 | 44,289.56 |
| Spring | PC | 91 | 55,509.77 |
| Shut-off Valve G1/2" type 830; BEE | PC | 16 | 40,145.66 |
| SLOTTED SHOULDER SCREW | PC | 685 | 36,483.65 |
| Detent pin | PC | 50 | 58,399.06 |
| 1/2 Filterdruckreglar MSB6-AGD:C4:J4:F1- | PC | 4 | 35,295.72 |
| Valve island ; Festo | PC | 2 | 63,715.96 |
| Connector socket G1/8"CuZn VNI | PC | 21 | 53,968.40 |

| | | | |
|--|----|-----------|-----------|
| Connector plug red G1/8" | PC | 21 | 27,448.19 |
| Sealing plug M8 | PC | 5,898.798 | 43,043.11 |
| Gear box ; PLE 120/115-20 | PC | 1 | 49,760.54 |
| Seal ring SD 20/26x4 A | PC | 270 | 36,450.00 |
| Tool compression spring niet bestellen | PC | 47 | 27,857.58 |
| PVC HOSE inner D 16 x 3,3 | M | 50.10 | 37,652.01 |
| Clamp; HC-26T;KSS | PC | 591 | 28,607.35 |
| Housing HAN16B; 09300160302; Har | PC | 32 | 37,698.37 |
| Resistance Thermometer PT100rd3,5x29/300 | PC | 36 | 44,730.54 |
| Cable; 10x2,5 qmm; EQ-FLEX-CC;Jobarco | M | 300.00 | 69,778.16 |
| Main switch; CA20 A202 E24; Kr+Na | PC | 24 | 57,608.23 |
| 32 Input card FW37A | PC | 3 | 33,339.38 |
| 32 Output card FW38A | PC | 3 | 42,347.82 |
| Crimpcontact; 09060008482; Hart | PC | 1,463 | 28,300.14 |
| Opto Coupler; G40DC24; 24VDC; 3A; Opto | PC | 22 | 35,555.03 |
| Limit switch; ENK-SU1 AV; Bernstein | PC | 28 | 61,949.40 |
| Socket insert; HANK 4/2;80A; Harting | PC | 23 | 59,509.12 |
| Contr.Trafo;ACB232.256.204;Prim:190-460V | PC | 2 | 64,785.12 |
| Cable with JST-connector; 320063;5m; E&L | PC | 14 | 71,683.43 |
| CPU-ADT-8xpt100 V2 | PC | 1 | 61,996.03 |
| Suppr. filter; NFD03.1-480-016;Rexroth | PC | 12 | 75,815.89 |
| Socket housing; HAN16B;19300160292;Hart | PC | 16 | 29,259.48 |
| Solid State Relay; RM1A23D50; Carlo Gav | PC | 26 | 35,446.57 |
| Safety relay AES1235,24VDC; Schmers. | PC | 3 | 38,744.63 |
| Terminal; grey; 2002-1301; Wago | PC | 573 | 68,533.66 |
| Terminal-PE; gn/ye; 2002-1307; Wago | PC | 413 | 41,269.22 |
| Terminal-PE; gn/ye; 2004-1407; Wago | PC | 399 | 65,815.22 |

A Category item

| Material Description | Base Unit of Measure | Unrestricted | Value Unrestricted | type |
|--|----------------------|--------------|--------------------|------|
| SS shoulder Fo 95 HR | PC | 2 | 94,190.24 | A |
| Nozzle Nr 600-283-42 AC | PC | 40 | 86,400.00 | A |
| Vakuumfilter G 3/4"; 700L/min | PC | 27 | 112,134.75 | A |
| TOOTHED BELT | PC | 69 | 86,939.97 | A |
| Vane for Becker VT 4.25 | PC | 31 | 389,182.78 | A |
| UNIVERSALLY-JOINTED SHAFT | PC | 22 | 365,322.01 | A |
| Guide KIT.KWVE35-B-9100 | PC | 26 | 178,069.83 | A |
| Clamping piece | PC | 49 | 206,814.42 | A |
| Planetary gear train PLFN90HP20MSK050C | PC | 1 | 100,597.76 | A |
| Gear box ; PLE80 MB-131 MKD041 | PC | 3 | 100,982.79 | A |
| 6ES7223-1BL32-0XB0 SM1223; Hellings; | PC | 13 | 141,655.40 | A |
| Cable;25x 0,75qmm; Number; Lapp | M | 1,290.00 | 380,846.70 | A |
| Elektrozylinder; M10;NL052011-14 Phoenix | PC | 20 | 628,640.58 | A |
| 2/2-Way Valve SCE210C93 | PC | 17 | 230,694.86 | A |
| Relay; RS30; 11016.2; 1NO; Weid | PC | 106 | 91,356.39 | A |
| Heating element;D=9,53;L=265;U=21;P=350 | PC | 81 | 97,199.18 | A |
| Resistance Thermometer PT100 rd4x40/1500 | PC | 114 | 105,574.90 | A |
| Stepping motor; SCT-1102-N1220; Stebon | PC | 1 | 97,498.69 | A |
| Prox switch induct Ana;IWRM-18U-9501;Bau | PC | 10 | 81,231.40 | A |
| Buzzer; 14-810.002; EAO Lumitas | PC | 23 | 91,133.70 | A |
| Vacuum Pump VT4.25 | PC | 6 | 196,322.88 | A |
| CABLE GRIP | PC | 50 | 117,500.78 | A |
| 2-Channel optocoupler circuit SSB2; | PC | 37 | 90,401.29 | A |
| Hose fitting; AD=17, LKI-M, 5020.014.0 | PC | 206 | 80,284.25 | A |
| Coded Safety switch BNS33-11ZG | PC | 154 | 349,067.33 | A |
| Servo controller | PC | 1 | 91,652.48 | A |
| Worm gear motor SN5FL | PC | 5 | 124,611.82 | A |
| Main switch; KG100T204/01E; Kr&Na | PC | 12 | 86,043.18 | A |
| Servomotor;MSK050C-0600-NN-S1-UG1- Rexro | PC | 2 | 86,714.00 | A |
| Servo controller HCS02.1E-W0012 Basic | PC | 5 | 379,644.60 | A |
| Servo controller HCS02.1E-W0028 Advance | PC | 5 | 524,550.00 | A |
| Servomotor MSK050C-0300-NN-S1-UG0-NNNN | PC | 4 | 143,360.50 | A |
| CPU-ADT-8xPT100 V3 | PC | 2 | 103,164.75 | A |
| CPU Base module Cx1020-0112 | PC | 3 | 270,186.00 | A |
| 4-Channel RTD input terminal ;EL3204 | PC | 19 | 222,185.34 | A |
| Servocontrol HCS01.1E-W0028-ET-EC-FW16 | PC | 13 | 646,330.44 | A |
| Diagn. module SITOP;4-Chann; 24VDC;2-10A | PC | 27 | 227,749.86 | A |
| Em. stop relay; PNOZ S4; Pilz | PC | 21 | 140,511.73 | A |
| CPU Base module;CX5020-0112;64MB;Beckhof | PC | 3 | 234,096.00 | A |
| Novram Memory terminal EL6080; Beckh | PC | 11 | 103,911.46 | A |
| Router; MGuard Industrial RS4000 VPN | PC | 2 | 81,162.00 | A |
| CompactLogix contr. 1769-L36ERM; Al-Br | PC | 10 | 1,063,907.94 | A |
| Resistance Thermometer PT100 Rd4x75/1500 | PC | 81 | 121,500.00 | A |

| | | | | |
|--|----|-----|--------------|---|
| Ultrasonic sensor; FX5230;20-30VDC;Er&Le | PC | 5 | 290,000.00 | A |
| IPC 15" 6181P-15A2SW71AC WIN 7;AlBr | PC | 1 | 211,742.60 | A |
| IPC 12,1" VEP40.5 Atom WIN 7adv;Rexroth | PC | 4 | 559,392.00 | A |
| IPC 10,4" EL1800S Atom 7emb;Digitec | PC | 1 | 245,267.92 | A |
| CONE | PC | 36 | 170,639.39 | A |
| CLAMPING PIECE | PC | 70 | 85,074.77 | A |
| Toothed knife cpl. with rivet stud | PC | 105 | 126,000.28 | A |
| Forming tube fo 315 | PC | 1 | 85,451.16 | A |
| Resistance Thermometer PT100 rd4x75/60 | PC | 374 | 193,776.02 | A |
| Resistance ThermometerPT100 rd4x115/1000 | PC | 102 | 181,744.59 | A |
| Bearing axle | PC | 50 | 288,668.23 | A |
| CPU 332-V4 programmed for SVE2510 / 2515 | PC | 3 | 215,193.94 | A |
| KNIFE | PC | 39 | 88,122.02 | A |
| Heating element; D10 L420 U=42V P500 | PC | 197 | 177,407.20 | A |
| Belt megapower 25T10/700 | PC | 455 | 1,319,310.46 | A |
| Heating element; D=10,0;L=271;V=42;P=550 | PC | 54 | 89,905.41 | A |
| Toothed belt 30 mm right red | PC | 63 | 341,970.17 | A |
| Toothed belt 30 mm left red | PC | 52 | 281,479.93 | A |
| Supporting strip + coating GP100 silver | PC | 14 | 183,880.55 | A |
| CD-R OPC-DA "Tunnel" instruct.+softw. | PC | 3 | 114,309.80 | A |
| PIERCING PUNCH/CUTTING DEVICE (PNEUM.) | PC | 1 | 178,397.24 | A |
| Vacuum valve | PC | 5 | 96,597.73 | A |
| Perforating and cutting device | PC | 2 | 154,518.78 | A |
| Conversion parts cross seal jaw housing | PC | 1 | 197,945.20 | A |
| Temperature regulator PE 1L | PC | 3 | 369,113.98 | A |
| Conversion TS C110C ; EL1000 -> EL1800 | PC | 2 | 288,311.62 | A |
| Longitudinal seal | PC | 1 | 103,232.05 | A |
| PNEUMATIC VALVE SOLENOID | PC | 2 | 84,009.38 | A |
| FILTER ELEMENT AP - 8528 | PC | 48 | 95,851.20 | A |
| AIR COMPRESSOR PUMP RADIAL CR 05 | PC | 2 | 218,883.94 | A |
| COLLECTOR 4 WAY WITH BATH SILVER | PC | 3 | 162,000.00 | A |
| PLANETARY REDUCER77110ATB110-FH-005 GUC | PC | 4 | 194,000.00 | A |
| PLANETARY REDUCER77140ATB140-FH-025 GUI | PC | 1 | 92,000.00 | A |
| PLANETARY REDUCERI007530ATB090FH-010GUI | PC | 2 | 108,000.00 | A |
| AP ATB090FC-010 PLANETARY REDUCER GUC | PC | 2 | 134,000.00 | A |
| PLANETARY REDUCER SK + 075S-MF2-16-1E1 | PC | 6 | 913,147.50 | A |
| REDUTOR PLANETÁRIO AP-AT075FHM1-002 GUC | PC | 2 | 98,000.00 | A |
| GEARBOX AT110FH-1 APEX DYNAMICS | PC | 6 | 378,000.00 | A |
| VALVE TERMINAL MPAL-VI | PC | 1 | 112,635.93 | A |
| VALVE TERMINAL MPAL-VI | PC | 1 | 92,230.22 | A |
| FOX VIBRATION CONTROL MODULE MCP-V4 50HZ | PC | 7 | 374,076.85 | A |
| PT100 TEMPERATURE SENSOR SG108-D3.5 GR37 | PC | 50 | 116,812.48 | A |
| SLIPRING - 4 TRACKS | PC | 6 | 213,000.00 | A |
| SLIPRING - 2 TRACKS | PC | 3 | 94,500.00 | A |
| RESISTÊNCIA TUB SG160 C/ PROTEÇÃO | PC | 42 | 164,511.46 | A |
| VPL-B1002M-PJ12AA GEARMOTOR NO BREAK | PC | 13 | 394,448.41 | A |
| VPL-B1002M-PJ14AA GEARMOTOR W/ BRAKE | PC | 2 | 81,969.40 | A |

| | | | | |
|---|----|-----|--------------|---|
| VPLB1003TCJ12AA GEARMOTOR NO BREAK | PC | 4 | 112,712.16 | A |
| VPLB1152FCJ12AA GEARMOTOR | PC | 5 | 147,344.23 | A |
| CONTROLADOR COMPACT LOGIX 5069-L330ERM | PC | 1 | 140,705.00 | A |
| CRIMPER LOWER A120/128/26 | PC | 9 | 442,742.13 | A |
| KNIFE ZIG-ZAG DIAGONAL 5 x 8 x 128 | PC | 16 | 101,484.10 | A |
| CRIMPER LOWER A120/128/22 | PC | 6 | 378,526.83 | A |
| CRIMPER UPPER A120/128/22 | PC | 6 | 378,526.83 | A |
| CRIMPER LOWER A150/200/30 | PC | 2 | 146,326.51 | A |
| CRIMPER UPPER A150/200/30 | PC | 2 | 146,326.51 | A |
| VIBRATOR SAMPLE 50HZ | PC | 2 | 89,094.08 | A |
| Roller | PC | 14 | 230,241.24 | A |
| Upper Blade | PC | 374 | 346,855.73 | A |
| Lower blade | PC | 359 | 175,542.38 | A |
| Heating ring | PC | 13 | 88,626.07 | A |
| Isolation | PC | 34 | 123,695.02 | A |
| Toothed Belt Wheel HTD P30-8M-20 St | PC | 107 | 85,162.29 | A |
| Capacitive proximity swit. 2-25mm/24VDC | PC | 14 | 123,277.13 | A |
| Gear Motor EPL64-1 | PC | 74 | 3,432,184.55 | A |
| Toothed Belt TP950-5M-50 | PC | 32 | 118,944.00 | A |
| Heating Tape 160W 42V | PC | 171 | 850,141.08 | A |
| Toothed Belt TP776-8M-20 | PC | 67 | 178,103.85 | A |
| SOLENOID SWITCH | PC | 47 | 113,489.54 | A |
| rocker arm chain 08B-2x192lg.2 Li 24St | PC | 1 | 84,494.59 | A |
| Industrial Computer | PC | 1 | 115,010.91 | A |
| SOLENOID SWITCH | PC | 46 | 108,514.00 | A |
| Heating Cartridge 150W;42V;HLP=;6,5-HLP= | PC | 252 | 178,664.45 | A |
| thermoelement | PC | 251 | 205,315.24 | A |
| Lubricating Oil /Trennöl PARALIQ 91 | PC | 25 | 134,081.02 | A |
| Battery BC293 | PC | 10 | 85,553.95 | A |
| FIW 4011K Format Grundmaschine "fein" | PC | 1 | 324,707.14 | A |
| cross auger | PC | 37 | 264,227.19 | A |
| 5/2-Way Valve 5/2 MFH-5-1/8-24DC-OD9982 | PC | 127 | 201,279.50 | A |
| cooling device | PC | 7 | 337,259.72 | A |
| Knife | PC | 11 | 160,656.44 | A |
| roller | PC | 26 | 88,204.19 | A |
| sealing roller | PC | 21 | 398,791.52 | A |
| Sealing Roller | PC | 20 | 383,014.48 | A |
| Sealing Roller Quer____ Trapez 5tlg ohne | PC | 11 | 685,818.29 | A |
| Sealing Roller Quer____ Trapez 5tlg,Sicke | PC | 12 | 767,084.70 | A |
| Cross sealing roller | PC | 23 | 1,503,606.54 | A |
| Sealing Roller quer Trapez 3tlg | PC | 2 | 123,510.73 | A |
| Sealing Roller Quer____ Trapez 3tlg | PC | 4 | 397,329.98 | A |
| Cross sealing roller | PC | 1 | 83,243.23 | A |
| Plate | PC | 1 | 143,954.69 | A |
| Cross sealing roller | PC | 7 | 440,400.26 | A |
| Cross sealing roller | PC | 11 | 708,643.29 | A |
| Cross sealing roller | PC | 17 | 1,114,428.21 | A |

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|--|----|-----|--------------|---|
| Quersiegelwalze Trapez 4tlg , Sicke 0,04 | PC | 6 | 387,576.86 | A |
| Sealing Roller cros trapezoid 4TLG /0,04 | PC | 4 | 299,984.80 | A |
| Sealing Roller | PC | 3 | 106,513.36 | A |
| Washer | PC | 4 | 114,470.72 | A |
| Plate | PC | 1 | 118,408.43 | A |
| Cross sealing roller | PC | 4 | 188,590.40 | A |
| Cross sealing roller | PC | 4 | 188,590.40 | A |
| rocker arm chain 08B-2x192 Tlg.2 Li 24 | PC | 2 | 244,335.00 | A |
| chain 8B-2x192 Tlg.2 Re 24 St | PC | 6 | 781,118.71 | A |
| safety handwheel A160XK16ZI AL | PC | 27 | 225,531.00 | A |
| Chain stretching wheel Z=20 D=16 | PC | 65 | 229,824.76 | A |
| Ball bushing 30/40X50 KH 3050 | PC | 145 | 85,782.00 | A |
| Deep-groove ball bearing 61 814-2RS | PC | 10 | 106,563.30 | A |
| Strap-Shaped Handle 201x20 | PC | 27 | 84,077.34 | A |
| 8-Channel digital output terminal;EL2008 | PC | 38 | 94,788.13 | A |
| Analog output module Typ: SM332 4 Ausg | PC | 7 | 220,837.68 | A |
| Reflecting Light Barrier WTB12-3P2431 | PC | 61 | 230,212.70 | A |
| VisiWinNET Compact Laufzeitsystem | PC | 15 | 247,599.44 | A |
| Cooling Unit KG4268-0,35KW/230V/50-60HZ | PC | 2 | 178,182.54 | A |
| Frequency converter | PC | 4 | 124,360.00 | A |
| VisiWinNET Laufzeitsystem Compact eXP | PC | 15 | 439,817.92 | A |
| Servo control unit | PC | 11 | 352,227.07 | A |
| Groove ball bearing 15x32x9 | PC | 186 | 157,615.66 | A |
| STATOR | PC | 11 | 131,835.46 | A |
| Safety Module Vital 1 | PC | 9 | 158,805.00 | A |
| Servo-module IndraDrive HCS01-W28+Firmwa | PC | 2 | 92,758.00 | A |
| Safety relay TSR20 | PC | 9 | 84,510.00 | A |
| THERMOCOUPLE:1769-IT6(AB) | PC | 4 | 102,024.00 | A |
| Transformer 2KVA, ICE SERIES | PC | 2 | 112,362.29 | A |
| FILM REEL SHAFT ASSLY | PC | 10 | 137,970.00 | A |
| Shaft Seal | PC | 19 | 123,507.11 | A |
| Knife 0.05 HEIGHT INCREASE (I) | PC | 144 | 518,202.83 | A |
| Anvil 0.05 HEIGHT INCREASE (I) | PC | 214 | 572,969.88 | A |
| GEAR BOX (OLD P/N: 8103.441.587) | PC | 8 | 85,999.98 | A |
| Cover _BEARING | PC | 566 | 118,350.60 | A |
| CROSS SEAL SHAFT, PULLEY & COLLAR ASSLY | PC | 18 | 201,597.88 | A |
| HOUSING ASLY.(ELECTA SLIP RING) | PC | 48 | 143,999.99 | A |
| Vibrator 26C 220V 50HZ | PC | 5 | 187,750.00 | A |
| Outer Slip Ring Type 02 | PC | 34 | 1,296,668.75 | A |
| Cross sealing roller | PC | 2 | 165,525.18 | A |
| Cross sealing roller | PC | 4 | 331,050.36 | A |
| Knife 70 WIDTH (I) | PC | 14 | 120,420.68 | A |
| Anvil 70 WIDTH | PC | 17 | 104,581.38 | A |
| Cover _INSULATION | PC | 50 | 97,500.00 | A |
| BACK PLATE | PC | 18 | 126,000.00 | A |
| SWINGING HUB FRONT RIGHT | PC | 17 | 107,100.00 | A |
| SPREADING DISC Ø839 H37 | PC | 5 | 175,000.00 | A |

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| CARRIER CHAIN 08B-2X192 LINKS-1.5" PITCH | PC | 1 | 126,677.49 | A |
| Sealing Roller quer Trapez 3tlg | PC | 1 | 100,726.60 | A |
| Sealing Roller - H | PC | 4 | 110,377.59 | A |
| Sealing Roller - V | PC | 4 | 110,377.59 | A |
| Cross seal roller 5 LOBE UPPER | PC | 2 | 157,606.45 | A |
| Cross seal roller 5 LOBE 9x0.04 LOWER | PC | 2 | 157,606.45 | A |
| (BH) 1086CUPDOSER BASIC MACHINE (MANUAL) | PC | 1 | 216,590.15 | A |
| Film reel support T25 AR | PC | 5 | 132,436.30 | A |
| Terra 25 Basic AR | PC | 1 | 440,000.00 | A |
| Controller | PC | 5 | 298,700.00 | A |
| CROSS SEAL JAW SET-EASY TEAR | PC | 14 | 164,551.66 | A |
| Printer HRC Plus | PC | 2 | 151,980.00 | A |
| Housing | PC | 7 | 134,750.00 | A |
| Housing MACHINE | PC | 6 | 158,234.23 | A |
| Heating Element FOR CROSS SEAL BAR | PC | 73 | 109,331.42 | A |
| HEATING ELEMENT FOR LONG SEAL BAR | PC | 105 | 188,137.32 | A |
| Gear | PC | 62 | 105,399.91 | A |
| Filling unit WELDMENT 1086 CF | PC | 12 | 228,000.00 | A |
| FORMING TUBE F135 | PC | 16 | 202,400.00 | A |
| Block FT RH | PC | 9 | 86,690.88 | A |
| AIR EXPANSION MANDREL SHAFT 74-80 | PC | 6 | 130,500.00 | A |
| Drive Belt | PC | 28 | 698,955.83 | A |
| CYLINDER ASSY PERFORATION (ASSEMBLED) | PC | 14 | 84,000.00 | A |
| TRANSITION HOPPER F120-F165 | PC | 10 | 92,024.35 | A |
| AIR PREPARATION UNIT | PC | 9 | 116,385.96 | A |
| Support (1 LH + 1 RH) | PC | 37 | 85,793.75 | A |
| Heating Element 42V 500W | PC | 53 | 142,193.11 | A |
| PERFORATION KNIFE 3MM THICK | PC | 37 | 101,750.98 | A |
| Long seam bar 10 mm SVE | PC | 4 | 198,006.90 | A |
| Agitator funnel + Intermediate ring | PC | 1 | 116,963.00 | A |
| Hopper | PC | 4 | 87,769.40 | A |
| DUST HOOD FOR ISHIDA CCW-R-216 | PC | 1 | 245,000.00 | A |
| AUGER SCREW Ø60X70 (SVI2600+FVS3051) | PC | 2 | 115,000.00 | A |
| Top Plate LH | PC | 7 | 80,400.00 | A |
| Heating Element | PC | 84 | 192,528.00 | A |
| Agitator funnel SS | PC | 2 | 213,950.00 | A |
| LID | PC | 13 | 80,600.00 | A |
| (BH)STD BOM FVS3201S1/2051-EL CABINET CE | PC | 1 | 80,000.00 | A |
| Agitator funnel Assembly | PC | 4 | 154,605.71 | A |
| (BHE)OUT SOURCED BOM SVI4000 | PC | 1 | 170,000.00 | A |
| (BH) SET OF CUPS 280CC - 500CC DISC ASSY | PC | 4 | 133,425.78 | A |
| Hopper FVS 2051_AL Hopper+Acrylic Channe | PC | 1 | 315,000.00 | A |
| FORMING TUBE F190 DE SVE | PC | 5 | 100,000.00 | A |
| (BH)OUTSOURCE BOM | PC | 1 | 254,122.00 | A |
| Servo Drive | PC | 4 | 438,128.02 | A |
| Operator Terminal | PC | 3 | 155,172.00 | A |
| Shaft universal joint | PC | 28 | 186,984.00 | A |

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| (BH) SET OF CUPS 670 - 1330CC ASSEMBLY | PC | 2 | 95,200.00 | A |
| (BH)OURCE BOM_FVS3051 | PC | 1 | 107,600.00 | A |
| AUGER SCREW Ø72X82 (SVI2600+FVS3051) | PC | 1 | 107,000.00 | A |
| Conveyor Pouch Takeup | PC | 1 | 105,000.00 | A |
| Protective Guard _Rear | PC | 1 | 107,600.00 | A |
| Platform FOR ADW A 0314S | PC | 1 | 135,000.00 | A |
| Set of cups 670 - 1330 CC | PC | 1 | 419,300.00 | A |
| Filling unit ASSY | PC | 7 | 175,000.00 | A |
| DUST HOOD - TW100NEL + 1086CF | PC | 12 | 324,000.00 | A |
| Format parts F160 | PC | 6 | 240,000.00 | A |
| Set of cups 280 - 500 CC | PC | 4 | 214,000.00 | A |
| (BH) 1086CUPDOSER BASIC MACHINE (MANUAL) | PC | 1 | 218,500.00 | A |
| Frame | PC | 7 | 94,500.00 | A |
| Flap Disc Assembly | PC | 9 | 360,882.29 | A |
| (BH) CUP FILLER DRIVE ASSEMBLY | PC | 8 | 1,192,000.00 | A |
| (BH) OUTSOURCE - SVT2600 TECAD | PC | 1 | 170,200.00 | A |
| OUTSOURCE SVI2600 EXHIBITION | PC | 1 | 258,000.00 | A |
| OUTSOURCE FVS3051 EXHIBITION | PC | 1 | 119,300.00 | A |
| Heating Element | PC | 119 | 110,643.82 | A |
| Drive Roller | PC | 25 | 99,999.99 | A |
| Knife HS/PER | PC | 105 | 248,476.27 | A |
| Heating Cartridge 21V & 350W | PC | 415 | 316,153.67 | A |
| Heating Element 42V,300W | PC | 165 | 188,583.59 | A |
| Longitudinal Seal BAR PHS | PC | 40 | 113,627.73 | A |
| SENSOR PT100 | PC | 465 | 197,524.85 | A |
| Hopper | PC | 3 | 84,914.54 | A |
| Housing C/S feed auger | PC | 3 | 94,500.00 | A |
| Intermediate Ring | PC | 4 | 90,350.40 | A |
| Agitator funnel Casting | PC | 12 | 120,763.01 | A |
| Touch screen contrl cons RCU-900 | PC | 1 | 99,516.30 | A |
| Groove Ball Bearing 6801LLB / 2AS | PC | 460 | 96,600.06 | A |
| NEEDLE BRG W/O INNER RING RNA 4901 2RS | PC | 333 | 105,263.96 | A |
| GEARED MOTOR RF17DRS71S4 0.37KW 70RPMO/P | PC | 12 | 226,021.85 | A |
| Gear Motor ROSSI-MRV 63 80C4,1.1kW | PC | 11 | 255,594.20 | A |
| Shaft Encoder 10-30V,125mA | PC | 31 | 217,002.38 | A |
| Contrast sensor; TLμ-011; Datalogic | PC | 31 | 198,399.29 | A |
| light sensor WM03-PCT-2S614 | PC | 19 | 114,188.38 | A |
| Photosensor KT5 | PC | 13 | 101,656.96 | A |
| Safety Switch AZ16-ZVRK-M | PC | 59 | 96,915.25 | A |
| Level Sensor SCA 922 | PC | 24 | 164,160.00 | A |
| Ionizer IONATOR BOX MODEL NUTRON | PC | 16 | 120,032.01 | A |
| Printer IMAJE PRINTER8018i | PC | 1 | 86,912.50 | A |
| RECIRCULATING BRG: INA -KB2045 PP AS RR | PC | 178 | 147,739.96 | A |
| Printer MARKEM IMAJE 820 | PC | 2 | 244,800.00 | A |
| Directional-Control Valve 5/2; TC08 | PC | 85 | 158,748.01 | A |
| Motor +GEAR BOX = MRCI50 MAKE ROSSI | PC | 5 | 199,999.27 | A |
| GEAR BOX RCI50 ROSSI MAKE | PC | 4 | 91,997.98 | A |

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| Chain link 0 - .50 PITCH CHAIN DBL | PC | 933 | 242,613.93 | A |
| operating panel RCU901C | PC | 1 | 205,861.50 | A |
| Roller Chain RS40 HOLLOW PIN-AS CHAIN | IN | 3,757 | 563,550.00 | A |
| Printer Accessories SMART DATE X40 | PC | 1 | 130,560.00 | A |
| Printer Accessories X-40 ENCODER | PC | 3 | 325,065.00 | A |
| Stepping Motor AS1050-0120 BECKHOFF | PC | 4 | 91,402.51 | A |
| Servomotor R911326540 | PC | 5 | 159,725.80 | A |
| Gear Box PLFE90-MSK050C-OP2 | PC | 3 | 115,764.01 | A |
| Sprocket CD25S520R6 | PC | 61 | 83,130.76 | A |
| D-Groove Ball Thr Bearing W6004 2RS1 | PC | 72 | 105,884.40 | A |
| Checkweighing machine ECONUS 1200g 300 x | PC | 1 | 518,500.00 | A |
| discharge module WG060739 | PC | 1 | 387,600.00 | A |
| Printer Accessories IMAJE 8018i | PC | 2 | 191,278.00 | A |
| Drive DSR-16-180-P | PC | 19 | 82,349.80 | A |
| Ultrasonic Sensor FX 5230 | PC | 2 | 113,000.00 | A |
| Conveyor belt CD M25 S-UA WB | PC | 4 | 126,598.63 | A |
| Printer Accessories SMARTDATE X40 | PC | 1 | 125,883.00 | A |
| Guide Rail TKVD 35/705 RRFT | PC | 11 | 140,690.00 | A |
| Weighing Device ADW A 0314S | PC | 1 | 1,450,000.00 | A |
| Chain Conveyor L=2000mm | PC | 1 | 306,750.00 | A |
| Swivel Head M16 | PC | 22 | 124,086.60 | A |
| Swivel Head M16-LH | PC | 21 | 118,446.30 | A |
| Gear Box SEW-SA47AD1 | PC | 4 | 96,600.00 | A |
| Proximity Sensor sensor | PC | 28 | 119,864.82 | A |
| Conveyor belt W242 X L1000 | PC | 13 | 104,000.00 | A |
| Valve manifold VTSA-MP -539215 | PC | 2 | 98,200.00 | A |
| Nozzle Y727-B1/4-AL | PC | 19 | 92,405.10 | A |
| Gear Motor NORD, 0.55KW | PC | 6 | 125,204.48 | A |
| Printer Accessories VIDEOJET 6210 | PC | 1 | 188,600.00 | A |
| Slip-Ring SR060E-25-2-3-232-V100 | PC | 30 | 630,000.00 | A |
| Printer Accessories DOMINO V1201 | PC | 1 | 130,000.00 | A |
| Bucket 452-12" | PC | 1 | 250,000.00 | A |
| Knife AIR KNIFE SST | PC | 2 | 89,430.47 | A |
| Tool Box VFFS | PC | 35 | 103,250.00 | A |
| Motor AC1 DRN80 SERIES | PC | 4 | 123,086.21 | A |
| Gear Box KF075 RIGHT HYPOID i=16 | PC | 2 | 230,000.00 | A |
| Conveyor belt L=12652mm | PC | 1 | 103,550.00 | A |
| Sealing Ring SR060E-20-2-3-232-V109 | PC | 8 | 267,823.36 | A |
| Sealing Ring SR060E-20-0-3-202-V109 | PC | 8 | 179,848.59 | A |
| Sealing Ring SR060E-20-2-3-232-V100 | PC | 14 | 430,861.45 | A |
| Conduit (FOOD GRADE | PC | 60 | 81,000.00 | A |
| Checkweighing machine H= 750mm | PC | 1 | 1,000,000.00 | A |
| Gear Motor (i=34.73) | PC | 5 | 152,815.00 | A |
| Metal Detector 600 MM | PC | 1 | 180,000.00 | A |
| Checkweighing machine NEL | PC | 1 | 314,437.50 | A |
| Feeder Device HD56 2000X350X150 | PC | 1 | 393,000.00 | A |
| Load cell 4KG | PC | 3 | 174,858.00 | A |

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| PLC controller 4AI/1AO | PC | 7 | 241,096.02 | A |
| PLC controller 16I/16O | PC | 11 | 184,378.26 | A |
| Servomotor RKL4302/003.0 | PC | 3 | 118,872.00 | A |
| PLC controller PLC EM232 | PC | 10 | 438,724.35 | A |
| PLC controller PLC EM223 | PC | 7 | 135,717.58 | A |
| PLC controller PLC IC200 | PC | 4 | 84,000.00 | A |
| PLC controller PLC IC200 | PC | 14 | 147,207.69 | A |
| operating panel IC200-DTX085 DP85, GEFA | PC | 6 | 171,209.61 | A |
| Servomotor MKD071B-061-GPO-KN | PC | 2 | 152,551.15 | A |
| Servomotor MKD112B-024-GPO-BN | PC | 3 | 410,611.11 | A |
| Servo Drive DKC01.3-040-7-FW | PC | 3 | 375,792.41 | A |
| Servo Drive DKC01.3-100-7-FW | PC | 1 | 177,824.00 | A |
| Servo Drive DKC03.3-100-7-FW | PC | 1 | 296,940.00 | A |
| Field Bus Module B/W =50.5 mm | PC | 7 | 100,144.06 | A |
| PLC controller R911171083 | PC | 4 | 668,000.00 | A |
| DRIVE 6SL3211-0AB17-5UA1 0.75KW SIEMENS | PC | 20 | 126,800.00 | A |
| Frequency Converter 2.6KVA/3.7A 380-480V | PC | 4 | 95,898.71 | A |
| Digital input module 24VDC/0,5A | PC | 4 | 123,496.00 | A |
| PLC controller L10.1 | PC | 4 | 103,702.76 | A |
| terminal R911171031, REXROTH | PC | 2 | 81,848.00 | A |
| PLC controller 1.1KW/1.5HP,3 phase 50hz | PC | 11 | 241,945.97 | A |
| PLC controller 0.75KW/1.0HP, 3Phase 50hz | PC | 3 | 131,700.00 | A |
| Servomotor R911315205 | PC | 2 | 146,298.00 | A |
| Servo Drive HCS02.1E-W0054-A-03-NNNN | PC | 1 | 94,897.70 | A |
| Power Cable RKL4321/005.0,L=3M | PC | 12 | 125,212.60 | A |
| Weighing Device WEIGHING MODULE | PC | 5 | 325,951.30 | A |
| CPU module 6ES7 313-5BE01-0AB0 | PC | 3 | 149,175.33 | A |
| Load cell 60048 11kg | PC | 20 | 239,287.41 | A |
| Control And Display Unit 640 x 480 | PC | 3 | 131,836.56 | A |
| PLC controller IndraControl L20 | PC | 3 | 136,901.80 | A |
| Software Package VisiWinNET 250 | PC | 23 | 191,107.86 | A |
| Touch screen contrl cons 5.7-inch displa | PC | 1 | 108,429.88 | A |
| Power Cable RKL0014/002.0 | PC | 28 | 129,870.58 | A |
| Memory Card FWA-CML402-MLC-04VRS-D0 | PC | 6 | 247,614.46 | A |
| CPU module CX5020-0111 | PC | 21 | 1,302,131.79 | A |
| Servo Drive IndraDrive C HCS02 | PC | 14 | 1,292,261.35 | A |
| Servomotor INDRADRIIVE | PC | 10 | 550,648.06 | A |
| Touch screen contrl cons LCD,5.7 in | PC | 7 | 430,804.46 | A |
| Analog input module 6ES72314HD320XB0 | PC | 20 | 176,507.25 | A |
| Operator Panel 6AV2124-1DC01-0AX0 | PC | 3 | 82,928.79 | A |
| CPU-CX5020-0112, 2GB CF CARD BECKHOFF | PC | 3 | 234,096.00 | A |
| Frequency Converter VFD 1.5KW 400VAC | PC | 11 | 128,429.41 | A |
| Servo Drive 2198-H025-ERS | PC | 8 | 275,001.49 | A |
| Servo Drive 2198-H040-ERS | PC | 9 | 342,873.00 | A |
| PLC controller 24 DI/D0 24VDC | PC | 11 | 237,270.00 | A |
| Touch panel 2711P-T7C22D9P | PC | 7 | 425,119.95 | A |
| Servo Drive 2198-H008-ERS | PC | 3 | 86,656.50 | A |

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| SERVO MOTOR CABLE RKL0019 15mts | PC | 26 | 211,747.25 | A |
| Frequency Converter 0.5KW, 200-240VAC | PC | 6 | 89,232.00 | A |
| Touch panel EL-1800s | PC | 1 | 116,563.53 | A |
| Line Filter 2198-DB42-F | PC | 24 | 98,265.00 | A |
| Touch panel CP7801-0001-0010 | PC | 1 | 115,978.00 | A |
| Drive 25B-A4P8N114 | PC | 16 | 167,897.70 | A |
| PLC controller L3, 3 MB MEMORY | PC | 2 | 216,568.48 | A |
| operating panel 24VDC, 6.5 inch | PC | 5 | 428,783.75 | A |
| Touch panel VEP30.4 | PC | 1 | 123,891.00 | A |
| Drive 22F-A4P2N113 | PC | 31 | 331,685.00 | A |
| PLC controller 1FK7044-4CF71-1TA1-Z | PC | 1 | 195,000.00 | A |
| Suppressor Diode 24VAD-B CARETRONICS | PC | 1,300 | 130,000.00 | A |
| Socket SOCKET 10PIN 16A | PC | 127 | 97,069.94 | A |
| Temperature Regulator DC1010 PT100 45*45 | PC | 26 | 87,767.04 | A |
| Power Supply 2866394 | PC | 11 | 88,517.87 | A |
| Air conditioning 300W | PC | 5 | 233,660.21 | A |
| Frequency Inverter 1.1kW; 380V; 3F | PC | 4 | 86,755.48 | A |
| Transformer 1KVA CE1000MH SOLA HEVI DUTY | PC | 10 | 397,528.54 | A |
| Safety Switch PILZ PILZ 506326 | PC | 29 | 89,783.42 | A |
| Transformer 380-480V PRI/220V & 110V SE | PC | 8 | 142,800.00 | A |
| Cable 40G 0.5SQMM GREY | M | 516.00 | 181,306.06 | A |
| Cable PKG3M-10 TURCK | M | 118.00 | 284,906.28 | A |
| Cable Conduit 852-479 KOPEX | PC | 675 | 115,581.30 | A |
| CONDUIT(HOSE) 64453680 13ID*17OD MM LAPP | M | 205.00 | 111,356.07 | A |
| SERVO ENCODER CABLE RKG4200 15mts | PC | 24 | 94,736.14 | A |
| Cable 1119505 LAPP | M | 475.00 | 116,913.20 | A |
| Cable 1119412 LAPP | M | 720.00 | 190,591.20 | A |
| Cable 12G*14AWG 0015412 | M | 493.00 | 234,013.14 | A |
| Servo Cable MOTOR 2090-CSBM1DF-14AA03 | PC | 27 | 124,027.20 | A |
| PLC controller 6ES7 214-2-AD23-0XBO | PC | 5 | 85,650.00 | A |
| operating panel 6AV6 641-0AA11-0AX0 | PC | 4 | 135,513.12 | A |
| Control Cabinet AE 1130.500 | PC | 10 | 81,774.80 | A |
| Air conditioning 550H X 280W X 280D MM | PC | 1 | 138,051.69 | A |
| Air conditioning SK3361.500 | PC | 7 | 545,541.24 | A |
| Temperature Regulator items | PC | 29 | 121,800.76 | A |
| Thyristor controller Unicon Control 24VD | PC | 10 | 134,000.00 | A |
| Controller R-IB IL CML S01-PLSET | PC | 5 | 746,949.33 | A |
| Electric servo unit HCS02.1E-W0012 | PC | 7 | 368,826.32 | A |
| Electric servo unit HCS02.1E-W0054 | PC | 7 | 541,032.58 | A |
| Operating Unit VEP30.4 | PC | 5 | 550,220.15 | A |
| Controller INDRACONTROL L25 CML25.1-PN-4 | PC | 5 | 295,221.11 | A |
| Controller CML25.1-3N-400-NN-NNC1-NW | PC | 2 | 119,822.00 | A |
| operating panel VEP30.5EFN | PC | 7 | 941,814.01 | A |
| Servo Drive R911305034 | PC | 2 | 179,578.00 | A |
| Servomotor MS2N10-C1BHN-BSVK0-NNNN-NN | PC | 3 | 209,092.18 | A |
| MODULAR CONVEYOR W/PRODUCT FLIP | PC | 1 | 1,854,000.00 | A |
| PF4-IB3 R>L | PC | 1 | 665,697.30 | A |

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| PACK201 HS R>L BASIC M/C (Festo) | PC | 1 | 1,218,369.00 | A |
| PACK201 HS L>R BASIC M/C (Festo) | PC | 1 | 1,221,352.00 | A |
| ASSLBACKSTD MODULE R >L WOUT CODER MOUNT | PC | 3 | 240,000.00 | A |
| ASSLY FINWHL STD DCKPLTS-150D-3GAP R>L | PC | 4 | 351,416.50 | A |
| (BH) CRIMPER UNIT R>L 150MM HD DIA 2UP | PC | 3 | 292,227.00 | A |
| (BH) ASSY DISCHRG R>L PAINT + SNR + SR | PC | 4 | 154,892.59 | A |
| ASSLY_TAIL_PAINT_R>L_4M_PROD_GD_25MM | PC | 2 | 280,230.00 | A |
| ASSLY_TAIL_PAINT_L>R_4M_PROD_GD_25MM | PC | 1 | 140,115.00 | A |
| BASE FRAME AND CABINET ASSY | PC | 3 | 314,430.00 | A |
| ELECTRICAL COMPONENTS AND HMI MOUNTING | PC | 3 | 255,405.00 | A |
| CLAMP MACHINE BOLTING-PACK201 | PC | 326 | 148,969.63 | A |
| 90° 3MM PITCH BAISED KNIFE 130L | PC | 81 | 444,333.66 | A |
| DN CRIMPER Ø120 X 25 W WITH RELIEF | PC | 2 | 87,259.42 | A |
| CRIMPER SHIM UP 120D 130L 10F HORZ H28 | PC | 2 | 94,716.92 | A |
| CRIMPER SHIM DN 120D 130L 10F HORZ H28 | PC | 3 | 145,172.84 | A |
| ZIG-ZAG KNIFE DEEP ANGLE-SHIM TYPE-200MM | PC | 10 | 99,321.41 | A |
| DISCHARGE CHUTE (REJECTION) | PC | 36 | 280,098.00 | A |
| BLOCK SUPPORT | PC | 220 | 191,400.00 | A |
| SWITCH / EMG STOP BOX SST | PC | 51 | 93,840.00 | A |
| ROLLER LEVER | PC | 566 | 339,600.00 | A |
| COUNTER SUPPORT | PC | 220 | 187,000.00 | A |
| CRIMPER SHIM UP 120D 130L 7.5F HORZ H28 | PC | 3 | 134,795.90 | A |
| CRIMPER SHIM DN 120D 130L 7.5F HORZ H28 | PC | 3 | 134,795.90 | A |
| CRIMPER SHIM UP D150xL125xB18 HORZ. H28 | PC | 12 | 778,298.99 | A |
| CRIMPER SHIM DN D150xL125xB18 HORZ.H28 | PC | 12 | 778,298.99 | A |
| CRIMPER ASSY W/KUBLER SR | PC | 1 | 134,787.50 | A |
| ASSY NOSE ROLLER 200 (EXTEN) | PC | 28 | 124,066.16 | A |
| ASSY ENR STRAIGHT 100 | PC | 25 | 103,808.34 | A |
| CRIMPER UNIT BASIC SUB-ASSY - 3UP | PC | 1 | 140,000.00 | A |
| Beckhoff - CP7801-0001-M220 | PC | 3 | 200,379.00 | A |
| Guide Chain RS40 | PC | 29 | 190,822.33 | A |
| Super Air Knife SST | PC | 7 | 202,967.46 | A |
| MOTOR CONTROLLER VFD 0.5HP | PC | 12 | 109,812.36 | A |
| ASSY OPERATOR INTERFACE | PC | 1 | 100,950.03 | A |
| E-BUS 4-AXIS UNIT EM7004 BECKHOFF | PC | 8 | 208,940.21 | A |
| MONITOR SAFETY RELAY | PC | 24 | 90,469.64 | A |
| AIR NOZZLE | PC | 23 | 159,397.64 | A |
| TEM CONTROL DUAL LOOP MODULE ENET | PC | 2 | 84,151.74 | A |
| TEMPERATURE CONTROLLER | PC | 12 | 87,031.81 | A |
| Universal Joint-Telescoping - | PC | 17 | 225,835.99 | A |
| GEARMOTOR-DORNER CNVR | PC | 3 | 126,883.23 | A |
| MOUNTING BRACKET-DORNER CNVR | PC | 10 | 107,238.02 | A |
| Heat resistant Ball bush Ø20/42x12 | PC | 54 | 135,532.34 | A |
| Servomotor MSK040C-No Break | PC | 17 | 580,881.72 | A |
| SERVOMOTOR MSK040B | PC | 6 | 196,574.29 | A |
| Plastic Gearwheel Z=40T | PC | 36 | 158,911.17 | A |
| HOUSING FINSEAL | PC | 6 | 90,000.00 | A |

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| Carbon Brush Complete Silver | PC | 17 | 95,952.29 | A |
| Heating element Finwheel Ø73 | PC | 78 | 434,773.23 | A |
| Crimpershaft (Single/Double) | PC | 20 | 176,640.51 | A |
| HEATER-CRIMPER SHIM 130L ;Ø8 x 240V;400W | PC | 83 | 85,986.54 | A |
| ANVIL - SHIM TYPE - 130MM | PC | 95 | 246,206.24 | A |
| ZIG-ZAG KNIFE SHIM TYPE | PC | 14 | 95,365.90 | A |
| Protection wires seal D=4 | PC | 1,563 | 533,413.93 | A |
| SHAFT | PC | 75 | 136,005.61 | A |
| Indradrive HCS01 8A Basic | PC | 9 | 293,910.40 | A |
| Indradrive HCS01 18A Basic | PC | 15 | 522,180.95 | A |
| CHAIN HOLLOW PIN RS40-LMC-HP | PC | 60.768 | 894,818.09 | A |
| FINWHEEL UNIT BASIC | PC | 18 | 275,904.43 | A |
| Timing belt 10-AT5/1600 PAZ | PC | 29 | 979,603.26 | A |
| ASSY-ACCUMULATOR CONVEYOR-1100 MM | PC | 2 | 371,364.47 | A |
| ASSY-ACCUMULATOR CONVEYOR-1800 MM | PC | 2 | 427,436.01 | A |
| DORNER CONVEYOR-95MM X 1100MM | PC | 2 | 101,773.37 | A |
| UPS-24VDC-20AMP | PC | 13 | 128,258.13 | A |
| BATTERY-UPS-24V | PC | 13 | 81,522.56 | A |
| Control Unit Beckhoff Controller CX5020- | PC | 10 | 744,839.75 | A |
| Pin No 40 Chain - | PC | 1,558 | 258,819.24 | A |
| ASSY PUSHER BASE EXCHANGEABLE | PC | 145 | 111,887.09 | A |
| MOTOR PWR CABLE Cs 1mm SQ 9M | PC | 50 | 202,230.27 | A |
| GEAR 75 TOOTH MODULE 2 | PC | 17 | 102,840.79 | A |
| MOTOR-SERVO-1.7NM | PC | 10 | 283,177.25 | A |
| Serrated Locking Plate | PC | 85 | 112,435.30 | A |
| (BH) KIT-BRUSH HOLDER-5 RING-CW | PC | 6 | 120,849.21 | A |
| (BH) Kit -Brusch Holder - 5 ring CCW | PC | 11 | 233,586.45 | A |
| (BH) Kit -Brusch Holder - 3 ring | PC | 18 | 232,566.97 | A |
| A-B K5500 SERVO DRIVE 6.3A | PC | 45 | 1,300,198.08 | A |
| A-B K5500 SERVO DRIVE 12.5A | PC | 22 | 702,053.32 | A |
| AB SERVO MOTOR CABLE 3M | PC | 26 | 110,355.17 | A |
| SERVO MOTOR VPL 30IN-LB | PC | 4 | 133,944.00 | A |
| INLINE VACUUM FILTER | PC | 9 | 101,950.91 | A |
| A-B CompactLogix OUTPUT | PC | 18 | 162,049.70 | A |
| A-B CompactLogix INPUT | PC | 24 | 135,852.41 | A |
| Planetary Gearbox Flanged I=4 | PC | 33 | 363,000.00 | A |
| Planetary Gearbox I=4 | PC | 45 | 621,000.00 | A |
| Servo Drive AMP 13AMP, 1 PH | PC | 11 | 359,657.47 | A |
| Control/Display Unit DVI/USB CONNECTION | PC | 6 | 252,322.36 | A |
| SERVO MOTOR VPL 17IN-LB 400V | PC | 5 | 129,305.18 | A |
| Servo motor VPL 30IN-LB 400V | PC | 15 | 411,711.00 | A |
| SERVO DRIVER;2198-H015-ERS-460V-3PH;AB | PC | 7 | 271,040.00 | A |
| SERVO DRIVER;2198-H040-ERS-460V-3P;AB | PC | 4 | 184,800.00 | A |
| AB SERVO MOTOR VPL-B1653C-CJ12AA | PC | 5 | 384,650.00 | A |
| KNIFE; TOFFEE CUTTING DEVICE | PC | 1 | 453,497.42 | A |
| Pressure switch;PEV-1/4-B;Festo | PC | 33 | 110,249.87 | A |
| CompactLogixPLC;1769-L36ER;Allen-Bradley | PC | 5 | 554,948.28 | A |

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| Safety PLC;G9SP-N20S;Omron | PC | 3 | 115,290.00 | A |
| CPU with 24 input/outputs;SIEMENS | PC | 12 | 276,396.22 | A |
| Safety Guard Gearbox | PC | 9 | 83,250.00 | A |
| CPU module CX5020-0111 HARDWARE 1.9 | PC | 8 | 518,482.96 | A |
| Plate BACK SIDE C&C | PC | 9 | 81,796.00 | A |
| SPUR GEAR DRIVE 1:3 (PACB PN:54939092) | PC | 16 | 2,240,728.86 | A |
| HOLDER (PACB PN:56553565) | PC | 19 | 82,420.27 | A |
| CAM DISC (PACB PN:56553541) | PC | 20 | 293,011.54 | A |
| MOTOR PLATE (PACB PN:56224943) | PC | 17 | 160,755.05 | A |
| FLANGE (PACB PN:56162222) | PC | 16 | 91,303.37 | A |
| EXCENTER (PACB PN:66037121) | PC | 17 | 401,437.43 | A |
| Joint JOINT CONNECTING ROD Dia 10x89 | PC | 19 | 346,967.96 | A |
| Side Plate Front C&C | PC | 9 | 80,811.43 | A |
| 6 Channel Thermocouple/Mv Input Module | PC | 11 | 255,414.43 | A |
| 2 Point Analog Output Module:AB/1769-OF2 | PC | 8 | 91,584.00 | A |
| Angel Swiveling Screw Connection15/3-07 | PC | 21 | 97,372.19 | A |
| CARDIN SHAFT TYPE KK LMIN=250 | PC | 34 | 674,698.18 | A |
| HeadOfConnectingRod SMLG1040x40(PACB:590 | PC | 47 | 280,493.37 | A |
| CYLINDER ROLLER BEARING D=35(PACB:549833 | PC | 51 | 255,457.94 | A |
| Ang. Contact Ball Bearing 7007C DF | PC | 64 | 370,918.92 | A |
| 3-phase motor SERVO MOTOR VPL-B1002M-PJ1 | PC | 12 | 381,207.86 | A |
| 3-phase motor SERVO MOTOR VPL-B1306F-CJ1 | PC | 11 | 508,095.68 | A |
| Toothed lock washer TOOTHED DISC (PACB | PC | 31 | 130,993.29 | A |
| Knife ZZ L130, K190 (66079857) | PC | 53 | 961,162.84 | A |
| Anvil ZZ L130, C&C MEDIUM (66102440) | PC | 43 | 822,116.17 | A |
| Anvil ZZ L130, C&C STRONG (66102390) | PC | 38 | 531,957.11 | A |
| Anvil ZZ L200, C&C STRONG (66105903) | PC | 6 | 86,110.58 | A |
| SHIM PLATE 0.07MMX2.54MMX177MM | PC | 49 | 151,710.73 | A |
| SHIM PLATE 0.12MMX2.54MMX177MM | PC | 40 | 124,091.97 | A |
| SHIM PLATE 0.25MMX2.54MMX177MM | PC | 42 | 130,273.70 | A |
| 1108 VOLUMETRIC CUP FILLER | PC | 1 | 185,400.00 | A |
| Heat shield Teflon | PC | 166 | 102,894.92 | A |
| Knife | PC | 94 | 117,428.80 | A |
| Heating Element | PC | 149 | 136,188.98 | A |
| Heating Element | PC | 219 | 182,278.08 | A |
| Heating Element | PC | 262 | 137,628.60 | A |
| Heating Element | PC | 188 | 158,010.24 | A |
| film holder | PC | 17 | 89,822.39 | A |
| AUGER SCREW 72X82 | PC | 1 | 116,000.00 | A |
| (BH) OUTSOURCE - STOCK - SVI4000 | PC | 1 | 225,315.00 | A |
| (BH) OUTSOURCE - STOCK - FVS2051 | PC | 1 | 122,660.00 | A |
| (BH)PM SMART KIT FOR TW100NEL + 1086 CF | PC | 3 | 90,750.00 | A |
| Insert | PC | 168 | 142,800.00 | A |
| ROLLER SUPPORT STRIP | PC | 34 | 81,778.94 | A |
| OUTSOURCE RAKWCCM FVS3051 | PC | 1 | 119,500.00 | A |
| BLT TTME Former | PC | 1 | 241,000.00 | A |
| OUTSOURCE MTR FOODS FVS2051 | PC | 1 | 129,600.00 | A |

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| OUTSOURCE FVS3051(Exhibition Machine) | PC | 1 | 124,000.00 | A |
| Base Frame | PC | 3 | 138,210.00 | A |
| (BH)OUTSOURCE FVS3051SQ STOCK MACHINE 2 | PC | 1 | 124,189.00 | A |
| (BH)OUTSOURCE FVS2051SQ STOCK MACHINE 1 | PC | 1 | 122,537.00 | A |
| REXROTH KIT FOR FVS2051 | PC | 1 | 162,657.00 | A |
| (BH)REXROTH KIT FOR FVS3051 | PC | 1 | 176,859.00 | A |
| (BH)REXROTH KIT FOR FVS3001 | PC | 1 | 170,114.00 | A |
| (BH)OUTSOURCE TERRA25 Autocrop | PC | 1 | 207,000.00 | A |
| (BH)OUTSOURCE TERRA25 STOCK 2 | PC | 1 | 207,000.00 | A |
| (BH)OUTSOURCE STOCK(TERRA25) | PC | 1 | 215,700.00 | A |
| OUTSOURCE(MS CABINET+MANUAL VOL. ADJ) | PC | 1 | 169,000.00 | A |
| Format parts F270 HRZ; DE | PC | 1 | 103,000.00 | A |
| BUCKET DRIVE CHAIN - SS | PC | 40 | 180,000.00 | A |
| Forming Shoulder | PC | 21 | 195,419.32 | A |
| (BH) CONVEYOR CHAIN 08B 2.5" H24(LH) | PC | 2 | 241,931.13 | A |
| (BH)OUTSOURCE ARCOR, ARGNTNA BVK2000A(AB | PC | 2 | 360,758.00 | A |
| (BH)OUTSOURCE DURUKAN, TURKEY(BVK 2000A) | PC | 1 | 200,700.00 | A |
| (BH)OUTSOURCE WRIGLEY,BADDI BVK2000S(AB) | PC | 1 | 142,000.00 | A |
| CURVE BELT CONVEYOR - 90 DEG (CCW) | PC | 2 | 2,288,316.68 | A |
| CURVE BELT CONVEYOR - 90 DEG (CW) | PC | 2 | 1,478,715.68 | A |
| Electrical Kit P201 CPX BASIC OUTHUSE | PC | 9 | 978,260.98 | A |
| CABINET ENCLOSURE W/CUT OUT DETAILS | PC | 2 | 321,890.00 | A |
| SIDE GUIDE | PC | 26 | 97,500.00 | A |
| LOADER ARM (RH)_D43_ADJUSTABLE & OFF-SET | PC | 81 | 145,800.00 | A |
| LOADER ARM (LH)_D43_ADJUSTABLE & OFF-SET | PC | 81 | 145,800.00 | A |
| V-Ring TWVA01600-N6T50 60 NBR | PC | 48 | 141,696.00 | A |
| V-Ring TWVA00650-N6T50 60 NBR | PC | 48 | 117,072.00 | A |
| Tensioner Parts Set 6903 65x95/36 | PC | 8 | 118,067.69 | A |
| Vacuum Pump SV 300/1-01 | PC | 3 | 396,569.38 | A |
| Machine foot M36x118, Ø149 | PC | 20 | 98,384.38 | A |
| Swivel Plate 88X18X88.5 | PC | 156 | 147,684.74 | A |
| Socket | PC | 192 | 90,009.82 | A |
| Load cell SP4M, 7KG | PC | 16 | 88,121.21 | A |
| Touch panel 5.7" | PC | 10 | 213,000.00 | A |
| Feeder Device HS42, Eriez | PC | 2 | 128,200.00 | A |
| Load cell 11kg | PC | 5 | 150,315.00 | A |
| Sensor M12 | PC | 12 | 109,200.00 | A |
| Sensor amplifier PNP | PC | 12 | 117,600.00 | A |
| Sensor Yamato | PC | 1 | 89,143.00 | A |
| Load cell 8kg | PC | 3 | 212,586.00 | A |
| Board CPU; EVA-113F | PC | 1 | 82,053.00 | A |
| Drive HD56 | PC | 2 | 252,000.00 | A |
| Control Unit 12A | PC | 2 | 235,800.00 | A |
| Slip-Ring Ø25; SR060E | PC | 23 | 690,000.00 | A |
| Gas strut 8/200x700N | PC | 10 | 82,400.00 | A |
| Bucket ADW | PC | 1 | 132,580.00 | A |
| Bevel-Gear Transmission i=40 | PC | 7 | 364,910.00 | A |

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| Linear Guide HSR25 L=400 | PC | 7 | 239,209.25 | A |
| Valve Plate serie HF03 | PC | 3 | 81,782.02 | A |
| Digital Input R-IB IL 24 DI 16-PAC | PC | 14 | 80,983.00 | A |
| IPC 12,1" VEP40.4APN-512 Atom WIN CE6.0 | PC | 11 | 1,620,544.68 | A |
| SERVOMOTOR | PC | 2 | 119,792.00 | A |
| IPC 12,1" VEP40.4APN-512 Atom WIN XPemb | PC | 1 | 149,546.00 | A |
| Control IndraControl XM21 | PC | 2 | 104,286.00 | A |
| Parts for cylinder Rd. 50 | PC | 4 | 132,363.62 | A |
| | | | 155,852,390.79 | A |