**TEHNICAL SPECIFICATIONS**

**Name of Procurement:** Equipment for Production Modernization

**Columns 1-2 is filled by the Client**

**Column 3 fills the Bidder – required**

**Column 4 fills the Bidder – if needed**

Technical offer for supplier's equipment:

Bidders are required to complete the templates on the following pages:

• Column 2 is filled out by the contracting authority and shows the required technical specifications (modification by the bidders is not permitted),

• Column 3 fills the bidder with the details of the equipment offered (eg. words "yes" or "no" are insufficient),

• Column 4 allows the bidder to enter comments on his proposed equipment, as well as instructions for accompanying documentation of the offered items.

**All types, manufacturers, brands, standards and standards specified in the technical specifications are deemed to be "or equivalent" to them.**

**Any accompanying documentation that the Bidder submits as a supplement to the offer must clearly indicate the models or options being offered. Bids that do not identify exact models and specifications can be denied.**

**The technical specifications listed in the checklist format that encompasses equipment and implementation tasks are mandatory as the minimum standard for each item of the goods required and are the only basis for assessing the technical compatibility of the bid. Bidders can also offer products that meet more standards or technical specifications than minimal.**

**NOTE: The bidder only fills out only the technical specifications of the bidding group for the non-submitting bidders, bidders boxes 3 and 4 leave blank.**

| **1.**  **Line nr.** | | **2.**  **Required Technical Specifications** | | **3.**  **Technical Specifications Offered** | | | | **4.**  **Notes, comments, instructions on accompanying documentation** | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1.** | | **GROUP 1 - Equalization machine** | |  | | | |  | |
| 1.1. | | **Essential characteristics of the machine**   1. Volume 3.5. l 2. Existence of at least 20 weighing heads 3. Existence of the touch control unit 4. Protection against overcharging 5. Material of production - stainless steel 6. Possibility of operating with a minimum of two types of products | |  | | | |  | |
| **2.** | | **GROUP 1 - Modeling machine** | |  | | | |  | |
| 2.1. | | **Essential characteristics of the machine**   1. Possibility of product preparation in various models ready for paning 2. Automatic filling with vacuum pump 3. The possibility of automatic dosing of the mixture before the shaping process 4. Possibility of operating the machine by one operator 5. Existence of the control module by touchscreen 6. The ability to operate the whole muscle (raw materials) 7. Material of production - stainless steel 8. Maximum capacity up to 1000 kg / h 9. Existence of at least 5 processing drums    1. Drum made of stainless steel    2. Drum diameter of at least 300 mm    3. Possibility of processing products min thickness 15 mm 10. Existence of Product Lifting Modules 11. Existence of the unit for automatic cleaning of the unit 12. Existence of a storage module for prepared products | |  | | | |  | |
| **3.** | | **GROUP 1 - Vertical cutting machine** | |  | | | |  | |
| 3.1. | | **Essential characteristics of the machine**   1. The ability to quickly cut products into various tapes, steaks and halves 2. Possibility of working with nested products 3. Possibility of cutting at predetermined thickness 4. Existence of Emergency Stop System 5. The existence of knives of 1.5 mm thickness which are important for maintaining the required quality of cut meat 6. The existence of a laser indicating where the product will be cut 7. Minimum cutting width 6 mm 8. Control panel presence 9. Material of production - stainless steel | |  | | | |  | |
| 3.2. | | Training service for machine tool vertical cutting | |  | | | |  | |
| 4. | | **GROUP 1 - Wing Edge Module** | |  | | | |  | |
| 4.1. | | **Essential characteristics of the machine**   1. Minimum cutting capacity 6500 products per hour 2. Range of product weight gain from 800g to max 2800g | |  | | | |  | |
| 5. | | **GROUP 1 – Manual rehanging module** | |  | | | |  | |
| 5.1. | | **Essential characteristics of the machine**   1. Existence of manual overturning of products 2. Includes instructions for transferring, opening and closing the sliding 3. Possibility of swapping for one operator 4. The positioning of the products before the manual overturning process | |  | | | |  | |
| 6. | | **GROUP 1 - Delivery, installation and commissioning** | |  | | | |  | |
| 6.1. | | 1. Delivery of machines (Group 1) to customer's location 2. Installation 3. Start-up | |  | | | |  | |
| **7.** | | **GROUP 2 - GROUP 2 - The automatic deboning line for drums and thigs** | |  | | | |  | |
| 7.1. | | 1. Maximum capacity 1000 legs per hour 2. Existence of an manual loader 3. Possibility of processing feet weighing from 250g to 550g 4. Power supply via 200V AC | |  | | | |  | |
| 7.2. | | Delivery and installation and commissioning at customer's location | |  | | | |  | |
| **8.** | | **GRUPA 3 – Labeling line** | |  | | | |  | |
| 8.1. | | Metal Detector   1. Product weight 2000 - 2500kg 2. Minimum frame dimensions 350x250mm 3. Made of min. Stainless steel 4. Input via touchscreen interface 5. Container for discarded products 6. Existence of 220V power supply 7. A stand-alone model   Automatic labeling line   1. Package weight up to 6 kg 2. Labeling speed up to 65 packs per minute 3. The ability to pass the label up to 110 mm 4. Maximum print speed of up to 250 mm 5. Bottom print speed up to 175 mm 6. Maximum print width 104 mm 7. Minimal fabrication material - stainless steel   Ejector   1. 1. Displacement length of defective products up to 650 mm 2. 2. Maximum carrying capacity up to 3 kg 3. 3. Existence of a pneumatic ejector   Automatic summers printer   1. Maximum output label size up to 110 mm 2. The maximum print speed required is 300 mm 3. Dimensions 37x30mm   Suma printer   1. The ability to print 8-point / mm resolution or 200 dpi print resolution 2. Maximum width of label passage up to 118 mm 3. Maximum print speed 150mm / s 4. Maximum print width up to 104 mm 5. The diameter of the collar core label 38-76 mm 6. External diameter of the label collar up to 203 mm   Metal detector head   1. A product adapted for chicken meat 2. Existence of IP69K protection 3. Product material - stainless steel 4. Maximum conveyor speed up to 0.2m per sec. 5. Existence of the control panel on the detector head - touch screen 6. Built-in self-supporting head on the support frame 7. Calibration of detection in the existing environment 8. The product registration time of at least 200 products 9. Existence of software with "autolean" product selection | |  | | | |  | |
| 8.2. | | The warranty period of 12 months | |  | | | |  | |
| 8.3. | | Delivery and installation and commissioning at customer's location | |  | | | |  | |
| **9.** | | **GROUP 4 - Horizontal Cutting Machine** | |  | | | |  | |
| 9.1. | | 1. Maximum cutting width up to 380 mm 2. Cutting products up to 100 mm 3. Cutting capacity at least 2000 kg per hour 4. Possibility of adjusting the cutting speed, cutting height of the product 5. Automated production line 6. Automatic blade tensioning 7. Built-in automatic dynamic lubrication system. 8. Stainless steel frame 9. Minimum engine power 2.5 Kw | |  | | | |  | |
| 9.2. | | Delivery and installation and commissioning at the customer's location | |  | | | |  | |
| 10. | | **GROUP 5 - Product Packaging Machine** | |  | | | |  | |
| 10.1. | | 1. 1. Minimum 3 packing strips   Track A)   1. Number of parallel cavities - minimum 4 2. Adapted to poultry products 3. Up to 50 packs in min 4. Sealing of the packaging by applying vacuum and gas heating 5. Maximum dimensions 187x137x80h   Track B)   1. Number of parallel cavities - minimum 3 2. Adapted to poultry products 3. Up to 37.5 packs in min 4. Sealing of the packaging by applying vacuum and gas heating 5. Maximum dimensions 227x178x100 - 120h   Track C)   1. Number of parallel cavities - minimum 2 2. Adapted to poultry products 3. Up to 25 packs in min 4. Sealing of the packaging by applying vacuum and gas heating 5. Maximum dimensions 325x260x100h | |  | | | |  | |
| 10.2. | | Delivery, installation and commissioning at customer's location | |  | | | |  | |
| 11. | | **GROUP 6 - Product Packaging Line - Package Paletization** | |  | | | |  | |
| 11.1. | | 1. Existence of conveyor belts 2. Guide system - professional 3. Existence of transport options for positioning boxes 4. Existence of Plastic Box Transport Capabilities 5. Existence of the possibility of transporting carton boxes 6. Dozing bowl / box 7. Possibility of turning the package 8. Robot packaging type Motoman GP 12 or equivalent 9. Transport system box to robots 10. Robot Paletizer RoboPAL or Equal 11. Existence of receiving heads for boxes 12. Palletizing robot base 13. Protective fence with doors and safety devices 14. Existence of conveyor with rollers VP up to 1.8 with positioning of various pallets 15. Existence of a T-car trolley with a roller conveyor VP 1.45 16. Roller conveyor VP 1.5 17. Roller conveyor VP 1.8 18. The existence of an automatic pallet wrap 19. Material made of stainless steel 20. Existence of pallet containers and addition of cartons on pallets | |  | | | |  | |
| 11.2. | | Education service for machine work | |  | | | |  | |
| 11.3. | | Delivery and commissioning at customer site | |  | | | |  | |
| 12. | | **GROUP 7 - Spiral tunnel for deep freezing of meat** | |  | | | |  | |
| 12.1. | | 1. Freezing capacity up to 1300 kg per hour of meat 2. Freezing the product from 20 grams to 70 grams per piece 3. Freezing up to -18 degrees 4. Material of production - stainless steel 5. Possibility of freezing chicken fried foods and chicken meat 6. Module for fried chicken produced up to 55x40x12 mm 7. Chicken breastplate module - up to fi 80 x 10 m 8. Acceptable water content in products up to 65% | |  | | | |  | |
| 12.2. | | Delivery and installation and commissioning at customer's location | |  | | | |  | |
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|  | |  | | STAMP PLACE |  | (Signature of the Authorized Person of the Bidder) | | | |