**QUESTIONNAIRE FOR PRE-PACKAGING AND PACKAGING EQUIPMENT**

|  |  |
| --- | --- |
| Name of the buyer | JSC "Rechitsky Tekstil" |
| Represented by |  Position | Head of OUA |
|  Full Name |  | Pashkovsky Denis Aleksandrovich |
| Location |  | Belarus, Gomel Region, Rechitsa City |
|  |  |  |  |  |  |
| **PRODUCT CHARACTERISTICS** |
| Product name | Terrycloth towels, sheets, bathrobes |
| Dimensions (LxWxH, mm) | According to the table of technical characteristics of products for packaging |
| Configuration | Straight parallelepiped |
| Product unit weight (g) | According to the table of technical characteristics of products for packaging |
| Dust content | Cotton dust within 2.0 MPC |
| Package weight (g) | According to the table of technical characteristics of products for packaging |
|  **CAPACITY** |
| Packs / min | Individual packaging - 5000 per shift/at least 15 per minuteGroup packaging - 600-700 per shift/at least 1.5 per minute |
| Shift duration (hours) | 8  |
| Number of shifts | 2 |
| **PACKAGING REQUIREMENTS** |
| Type of packaging material (composition, thickness of microns)  | PE, PP, PET, PP/PE \*will be specified during the project development, supplier is welcomed to give recommendations  |
| Dimensions of the finished package (LxWxH mm) | According to the table of technical characteristics of products for packaging |
| Indicating the date of the production on a package | No |
| Form of the package(pillow, gusseted bag, doyen packaging, etc.) | Pillow – for individual packagingGusseted bag - for group transport packaging |
| **PLACEMENT (ROOM) CHARACTERISTICS** |
| Floor | 2 floor |
| Height\*Length\*Width (mm) |  5800 \* 17740 \* 9090 |
| Window openings (dimensions) | Width 1800 Height 2950 |
| Door openings (dimensions) | Width 2200 up to 2300Elevator’s width 1620 up to 2200 (depth 2260) |
| Floor types |  Made of concrete |
| **AVAILABILITY OF OTHER EQUIPMENT IN THE ROOM** |
| Necessity/possibility of joint work |  With shelves and tables |
| **POWER SUPPLY REQUIREMENTS** |
| Voltage | 220V, 1-phase |
| Frequency | 50 |
| Electric current | AC |
| Ground loop | Yes |
| Voltage drops | No |

Listed above are the processes of packaging tasks to be conducted by the purchased equipment:

Processes are rated from the ‘most desired’ to ‘least desired but acceptable’

1. Most desired:

Printing and marking with a SI label (datamatrix)

Folding

goods

Individual

packaging\*

Forming

packs\*\*,

label reading

Pack packaging

with/without pressing

with/without heat treatment

Printing and marking

labels with aggregation code

1. Desired

Printing and marking

 label with SI

(datamatrix)

Individual

packaging\*

Forming

packs\*\*,

label reading

Pack packaging

with/without pressing

with/without heat treatment

Printing and marking

label with the aggregation code

Folded product

1. Optimal

Individual

packaging\*

Forming

packs\*\*, label reading

Pack packaging

with/without pressing

with/without heat treatment

Printing and marking

label with the aggregation code

Folded and marked product

1. Least desired but acceptable (whether it is possible to use the same piece of equipment for individual and group packaging)

Pack packaging

with/without pressing

with/without heat treatment

Individual
packaging\*

Formed and marked packs

Folded and marked product

\* individual packaging with mini perforation for air outlet

\* \* ability to form a pack:

- from products without individual packaging;

- from products in individual packaging (paper-bag)

- from products in rigid packaging (souvenir boxes)

TABLE OF TECHNICAL CHARACTERISTICS OF PRODUCTS FOR PACKAGING

|  |  |  |
| --- | --- | --- |
| PRODUCT TYPE FOR PACKAGING | FOR INDIVIDUAL PACKAGING | FOR GROUP / TRANSPORT PACKAGING |
| Size (mm) | Weight (g) | pcs | Size (mm) | Weight (g) |
| L | W | H | H \* | min | max | L | W | H | H \* | min | max |
| Terry towel 50x30 | 300 | 170 | 8 | 5 | 57 | 95 | 20 | 300 | 170 | 180 | 150 | 1140 | 1900 |
| Terry towel | 67x40 340 | 210 | 20 | 15 | 110 | 160 | 10 | 340 | 210 | 155 | 120 | 1100 | 1600 |
| Terry towel | 80x40 280 | 210 | 30 | 20 | 130 | 190 | 10 | 280 | 210 | 240 | 170 | 1300 | 1900 |
| Terry towel 50x90 | 300 | 260 | 30 | 20 | 170 | 270 | 10 | 300 | 260 | 230 | 180 | 1700 | 2700 |
| Terry towel | 67x150 350 | 275 | 50 | 30 | 380 | 555 | 5 | 350 | 275 | 220 | 170 | 1900 | 2775 |
| Terry towel 80x160 | 410 | 270 | 60 | 35 | 500 | 750 | 5 | 410 | 270 | 240 | 200 | 2500 | 3750 |
| Terry towel 100\*175 | 340 | 300 | 70 | 50 | 730 | 1000 | 4 | 340 | 300 | 240 | 190 | 2920 | 4000 |
| Terry bed sheet 208\*150 | 390 | 340 | 100 | 80 | 1000 | 1300 | 3 | 390 | 340 | 240 | 170 | 3000 | 3900 |
| Terry bed sheet 208\*200 | 380 | 350 | 120 | 95 | 1250 | 1800 | 3 | 380 | 350 | 288 | 200 | 3750 | 5400 |
| Terry dressing gown | 350 | 430 | 140 | 110 | 1000 | 2000 | 1 | 350 | 430 | 140 | 110 | 1000 | 2000 |

H\* - approximate height when using the clamping mechanism

LABELING REQUIREMENTS

|  |  |
| --- | --- |
| Number of labels [pcs / min]: | Depending on the packing speed |
| Label type [paper, thermo, transparent, etc.]: | Self-adhesive thermo-transferred labels or self-adhesive paper |
| Label shape [circle, straight line, etc.]: | Rectangle |
| Label size [mm]: | 50x100 |
| Label location [top, bottom, side]: | On the side or at top |