



**Be prepared.**

**Blow room**



**Saurer pre-spinning is the foundation of the Zinser Ring Spinning and Schlafhorst Open End Systems. The flexible portfolio offers the right solutions for preparation of all kinds of fibres for the subsequent processes. The right combination of blowroom, carding and draw frame ensures excellent fiber utilization and sliver quality for high efficiency and yarn quality in spinning.**

**E<sup>3</sup>: Optimising energy, economics and ergonomics, adding intelligence. With our customers' needs always top of mind, E<sup>3</sup> forms the basis of our design philosophy. Our passion for textile machinery drives us to manufacture innovative products that add value to our clients' businesses.**

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## Highlights

- **Combination of shorter processes, modularization and flexibility**
- **Aerodynamically optimised design of blowroom airflow ensures smooth fibre delivery and higher yield**
- **Efficient impurity removal and deep cleaning**
- **Effective energy saving and reduced operating cost**
- **Intelligent detection, online control of raw material indicators**
- **High-precision autoleveller to ensure better evenness index of sliver**
- **CE certification guarantees international quality standards**
- **The Senses mill management system can accurately and comprehensively analyse all spinning data in real time**

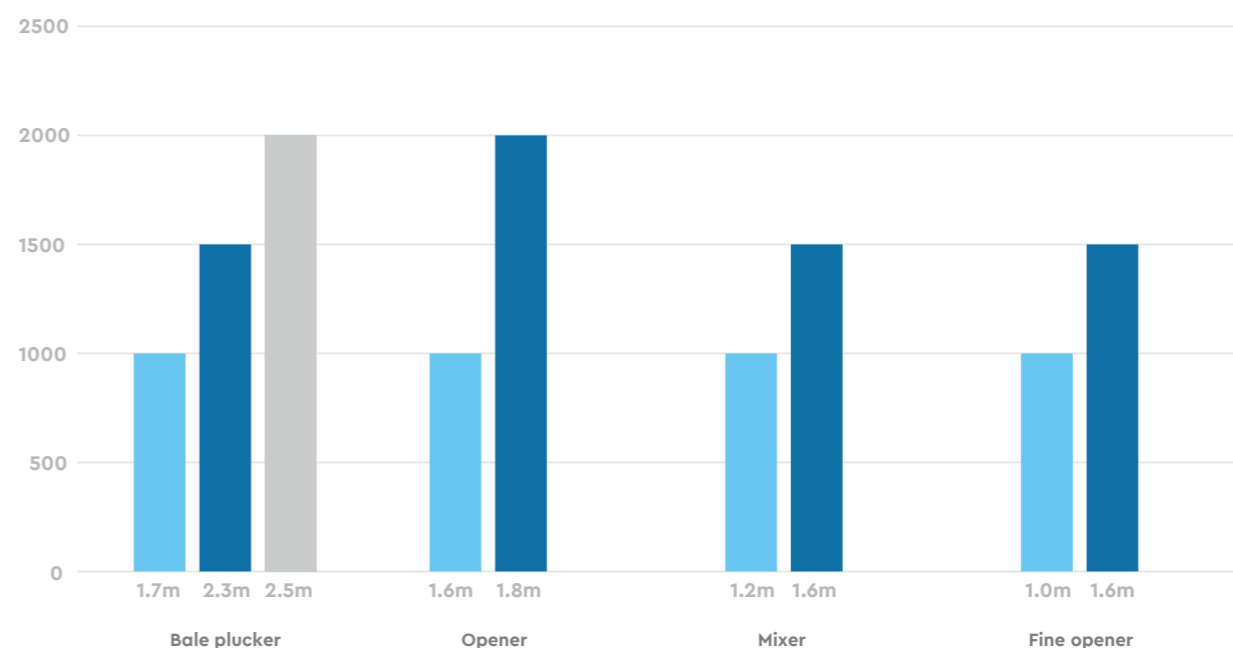
# Economics

## Economics

- **Maximum yield up to 1 500 kg/h**  
(1 plucker, 1 mixer, 1 cleaner with carding units)
- **Save space, reduce energy consumption by 10%**
- **Higher impurity removal rate results less raw material wastage**
- **Shortened process reduces cost of investment**
- **Cost saving on maintenance in daily production**
- **Cost saving on labour**

Through cutting-edge research and development, we boost our clients' profitability by improving our products' flexibility, increasing output and saving on raw material. Increasingly, our machines are also becoming smarter, reducing the need for human involvement, which allows our customers to save on cost.

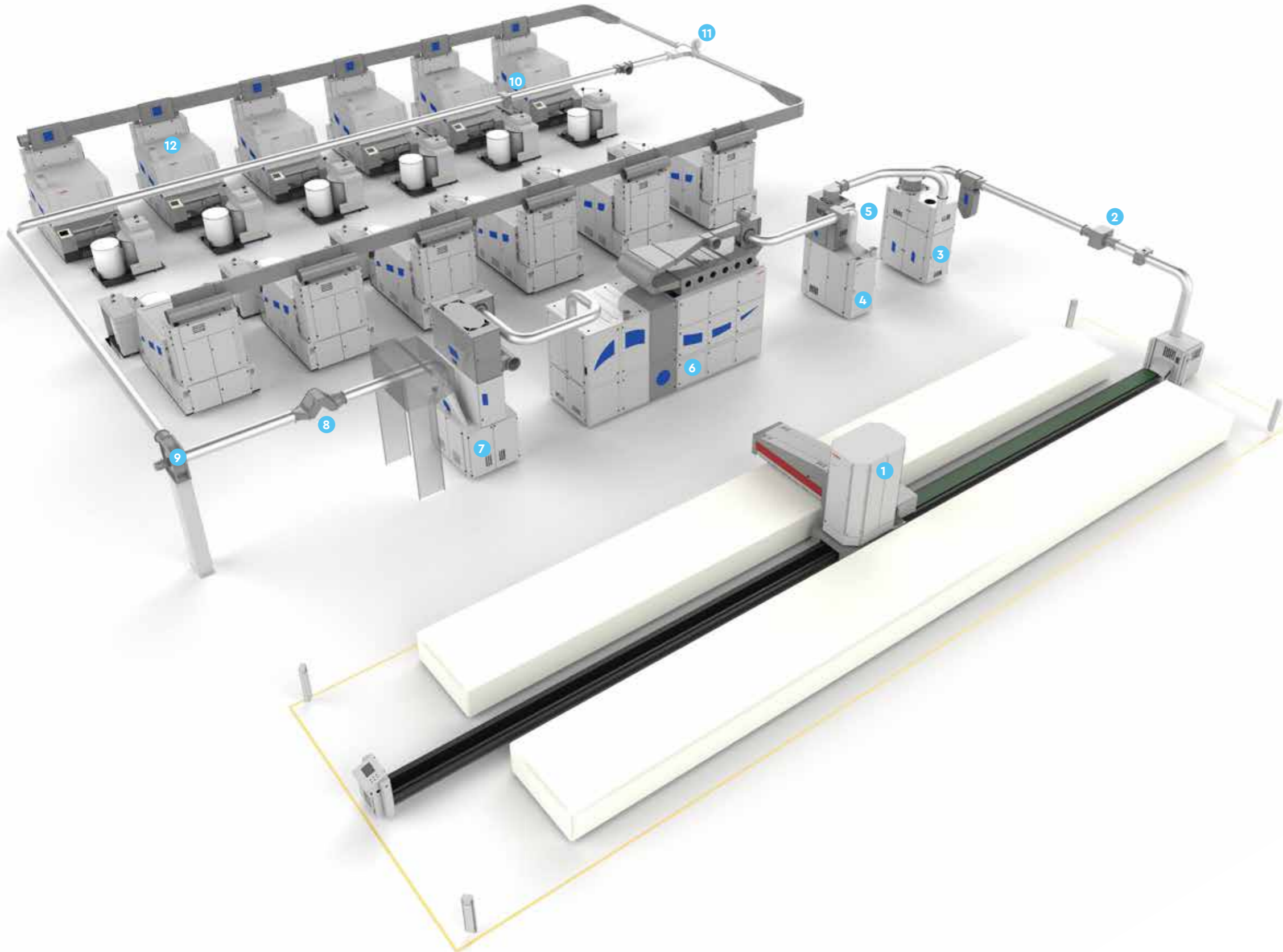
Yield  
In kg/h



The different widths of Saurer blowroom machines can meet different output needs.  
Remarks: The JSB 027 Multimixer is not included.

## Blowroom-carding process configuration

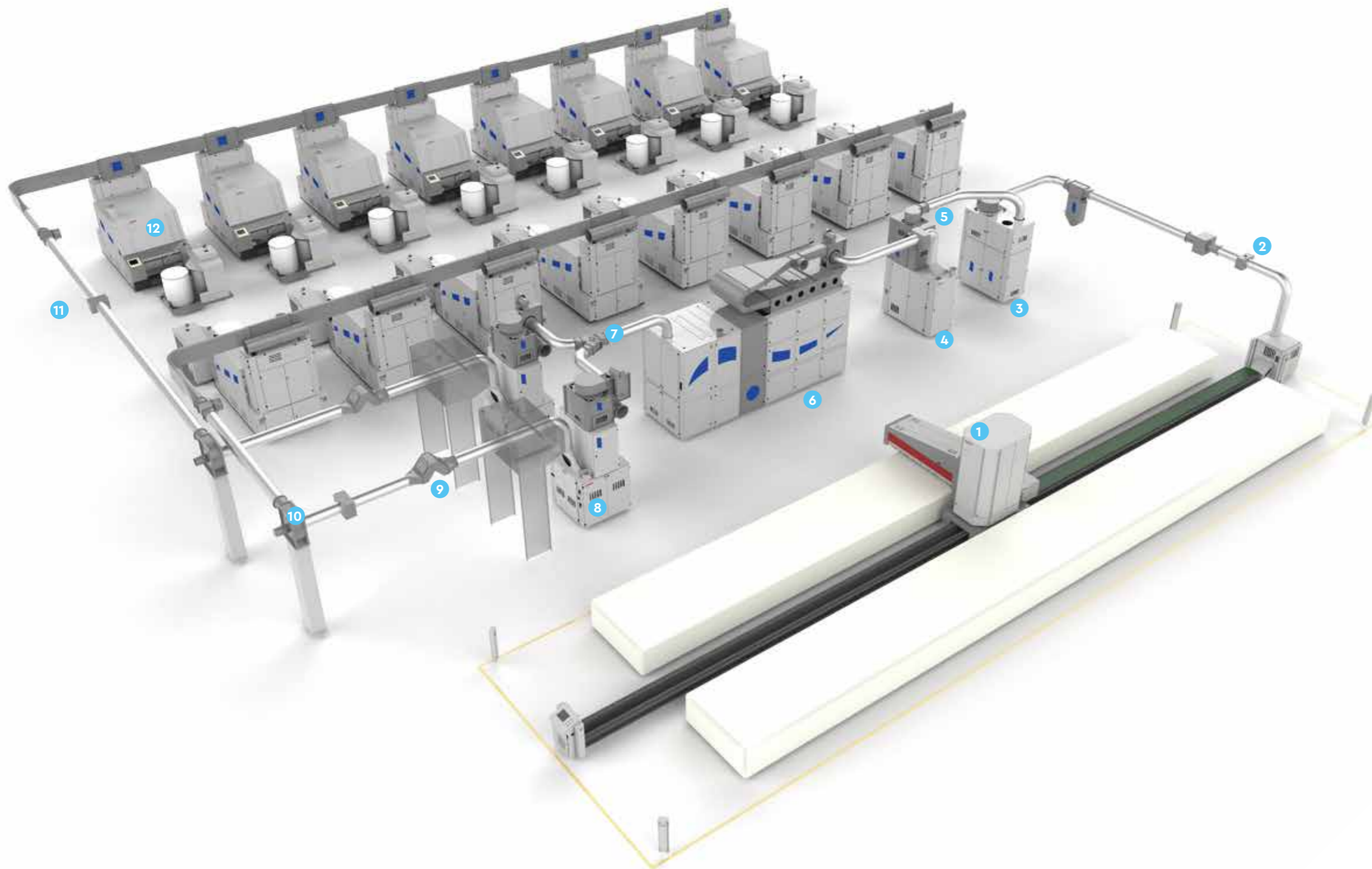
1.1. Ring spinning for pure cotton (1 plucker, 1 mixer, 1 cleaner with carding units)



- |           |   |
|-----------|---|
| <b>1</b>  | JSB 008 C Reciprocating Bale Plucker              |
| <b>2</b>  | 119 MT-6000/119 MD 5 Spark & Metal Dual Separator |
| <b>3</b>  | FA 100 Multi-function Airflow Tower               |
| <b>4</b>  | JSB 103 Mono-axial Flow Opener                    |
| <b>5</b>  | 119 E Spark Separator                             |
| <b>6</b>  | JSB 325 Multi-mixer                               |
| <b>7</b>  | JSB 318 Fine Opener                               |
| <b>8</b>  | TF 27 Magnet Trap                                 |
| <b>9</b>  | JFA 020 A/B Transport Fan                         |
| <b>10</b> | 119 E Spark Separator                             |
| <b>11</b> | TF 80 T Shape Distributor                         |
| <b>12</b> | JSC 230/JSC 328/Autocard Carding Machine          |

## Blowroom-carding process configuration

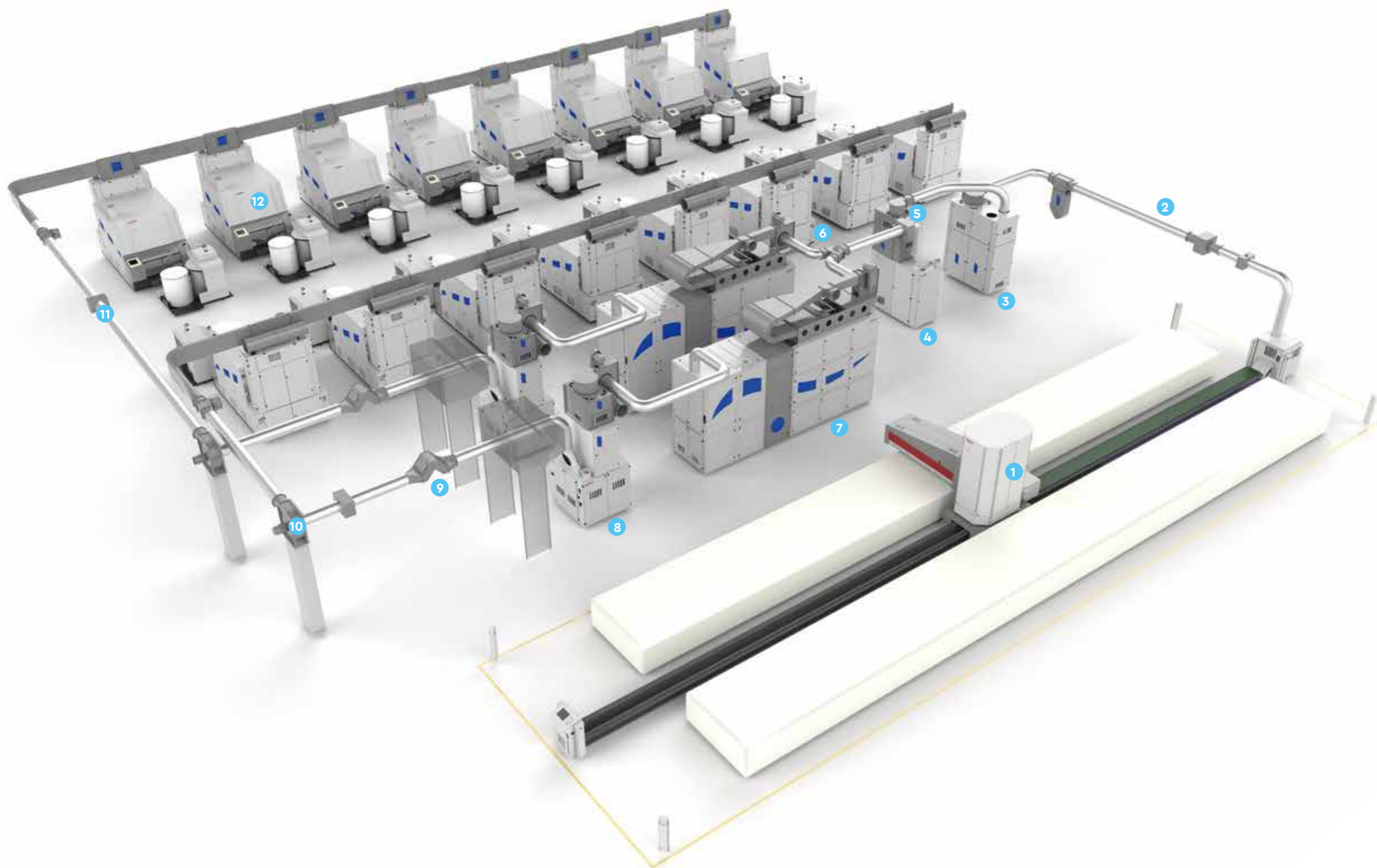
1.2. Ring spinning for pure cotton (1 plucker, 1 mixer, 2 cleaners with carding units, 1 kind of material)



- |           |   |
|-----------|---|
| <b>1</b>  | JSB 008 C Reciprocating Bale Plucker              |
| <b>2</b>  | 119 MT-6000/119 MD 5 Spark & Metal Dual Separator |
| <b>3</b>  | FA 100 Multi-function Airflow Tower               |
| <b>4</b>  | JSB 103 Mono-axial Flow Opener                    |
| <b>5</b>  | 119 E Spark Separator                             |
| <b>6</b>  | JSB 325 Multi-mixer                               |
| <b>7</b>  | JFA 001 A Pneumatic Distributor                   |
| <b>8</b>  | JSB 108 Fine Opener                               |
| <b>9</b>  | TF 27 Magnet Trap                                 |
| <b>10</b> | JFA 020 A Transport Fan                           |
| <b>11</b> | 119 E Spark Separator                             |
| <b>12</b> | JSC 230/JSC 328/Autocard Carding Machine          |

## Blowroom-carding process configuration

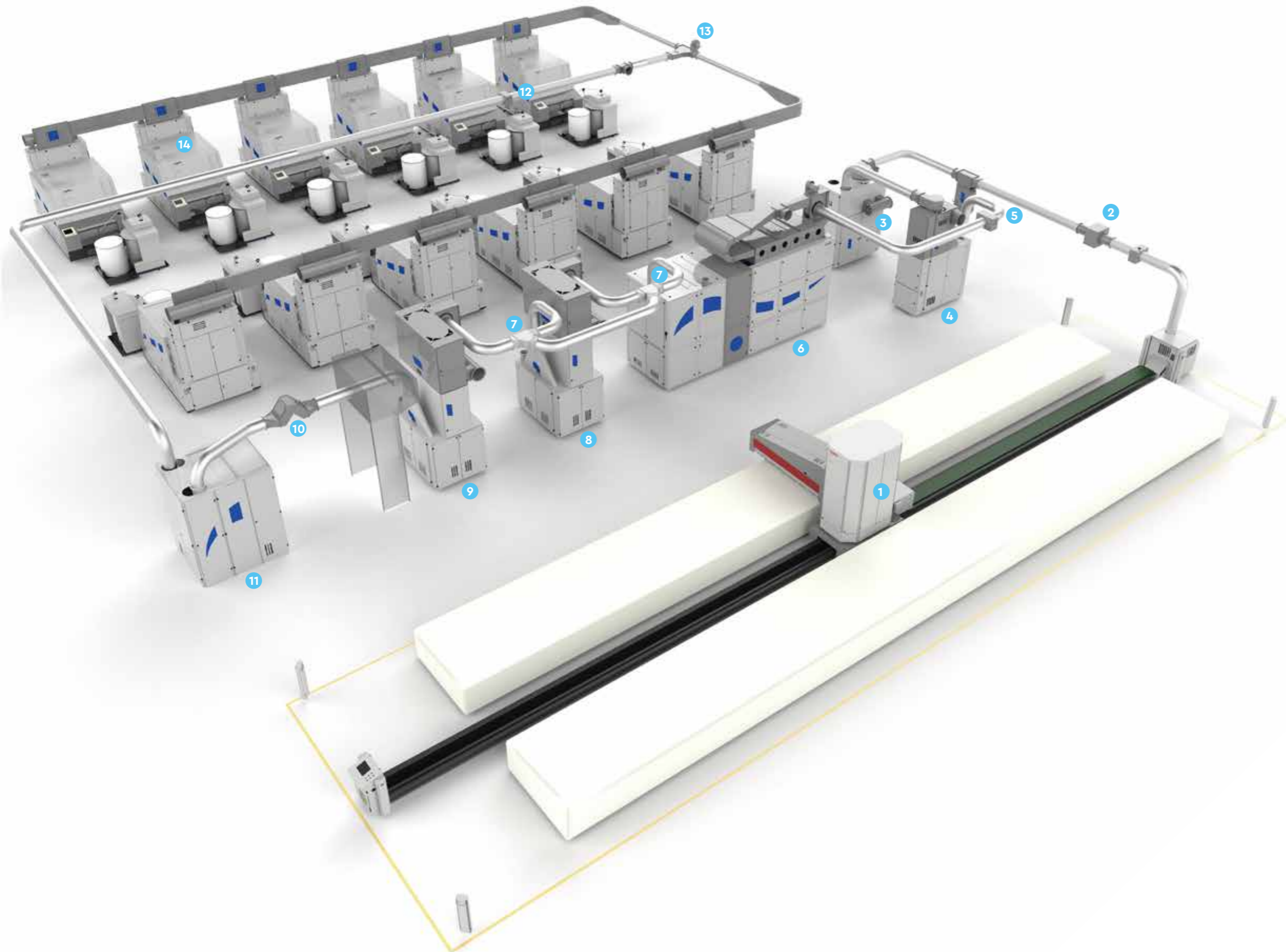
1.3. Ring spinning for pure cotton (1 plucker, 2 mixers, 2 cleaners with carding units, 2 kinds of material)



- |           |   |
|-----------|---|
| <b>1</b>  | JSB 008 C Reciprocating Bale Plucker              |
| <b>2</b>  | 119 MT-6000/119 MD 5 Spark & Metal Dual Separator |
| <b>3</b>  | FA 100 Multi-function Airflow Tower               |
| <b>4</b>  | JSB 103 Mono-axial Flow Opener                    |
| <b>5</b>  | 119 E Spark Separator                             |
| <b>6</b>  | JFA 001 A Pneumatic Distributor                   |
| <b>7</b>  | FA 025 Multi-mixer                                |
| <b>8</b>  | JSB 108 Fine Opener                               |
| <b>9</b>  | TF 27 Magnet Trap                                 |
| <b>10</b> | JFA 020 A Transport Fan                           |
| <b>11</b> | 119 E Spark Separator                             |
| <b>12</b> | JSC 230/JSC 328/Autocard Carding Machine          |

## Blowroom-carding process configuration

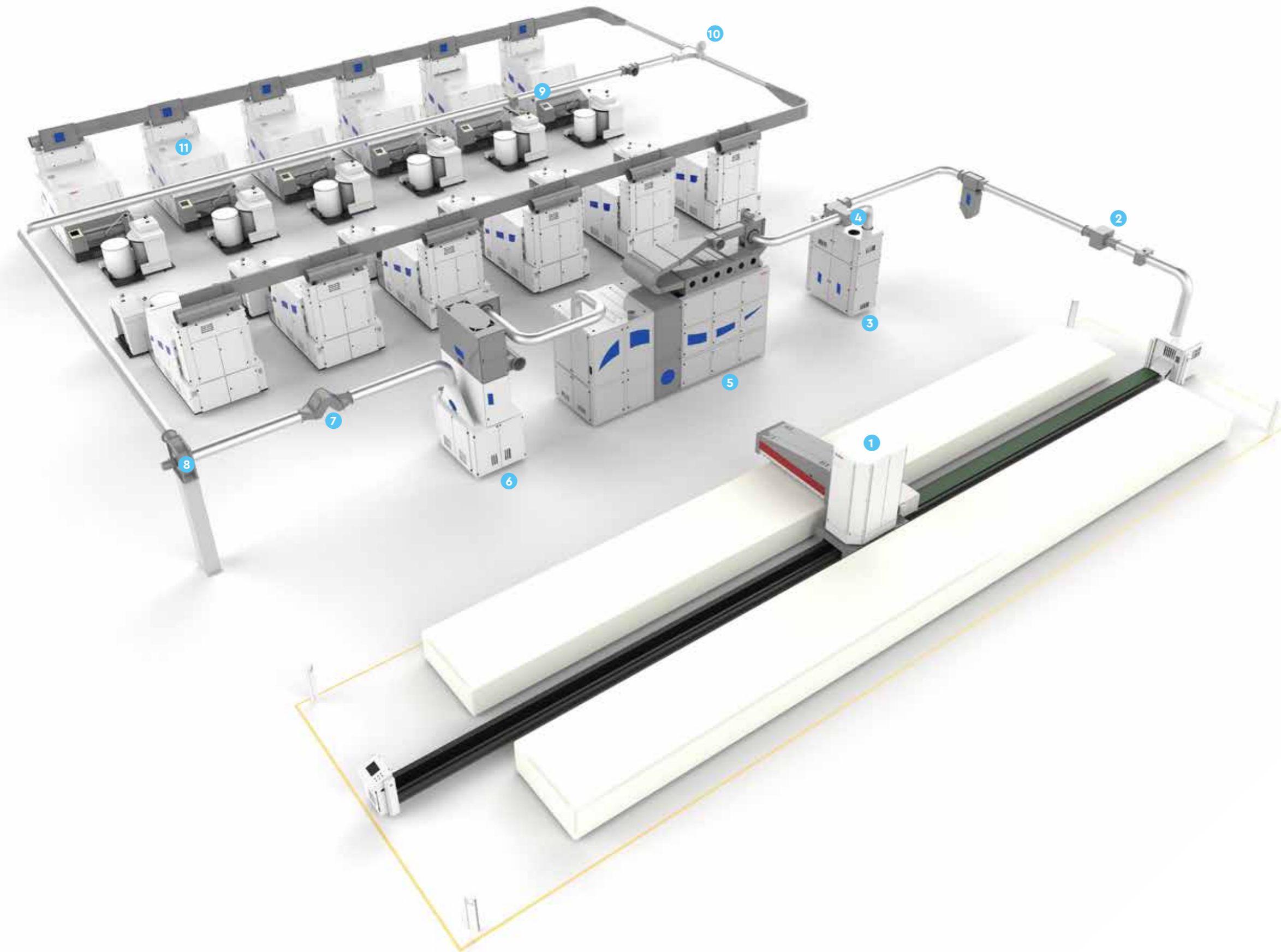
2.1. Rotor spinning for pure cotton (1 plucker, 1 mixer, 1 cleaner with carding units)



- |           |   |
|-----------|---|
| <b>1</b>  | JSB 008 C Reciprocating Bale Plucker                              |
| <b>2</b>  | 119 MT-6000/119 MD 5 Spark & Metal Dual Separator                 |
| <b>3</b>  | FA 100 Multi-function Airflow Tower                               |
| <b>4</b>  | JSB 103 Mono-axial Flow Opener                                    |
| <b>5</b>  | 119 E Spark Separator   |
| <b>6</b>  | JSB 325 Multi-mixer   |
| <b>7</b>  | TF 29 Three-way Control Valve/<br>JFA 001 B Pneumatic Distributor |
| <b>8</b>  | JSB 318 Fine Opener<br>(porcupine /nose-type beater)              |
| <b>9</b>  | JSB 318 Fine Opener (aluminum pin beater)                         |
| <b>10</b> | TF 27 Magnet Trap   |
| <b>11</b> | SFA 201 Dedusting Machine   |
| <b>12</b> | 119 E Spark Separator   |
| <b>13</b> | TF 80 T Shape Distributor   |
| <b>14</b> | JSC 230/JSC 328/Autocard Carding Machine                          |

## Blowroom-carding process configuration

3.1. Ring spinning for man-made fibre (1 plucker, 1 mixer, 1 cleaner with carding units)

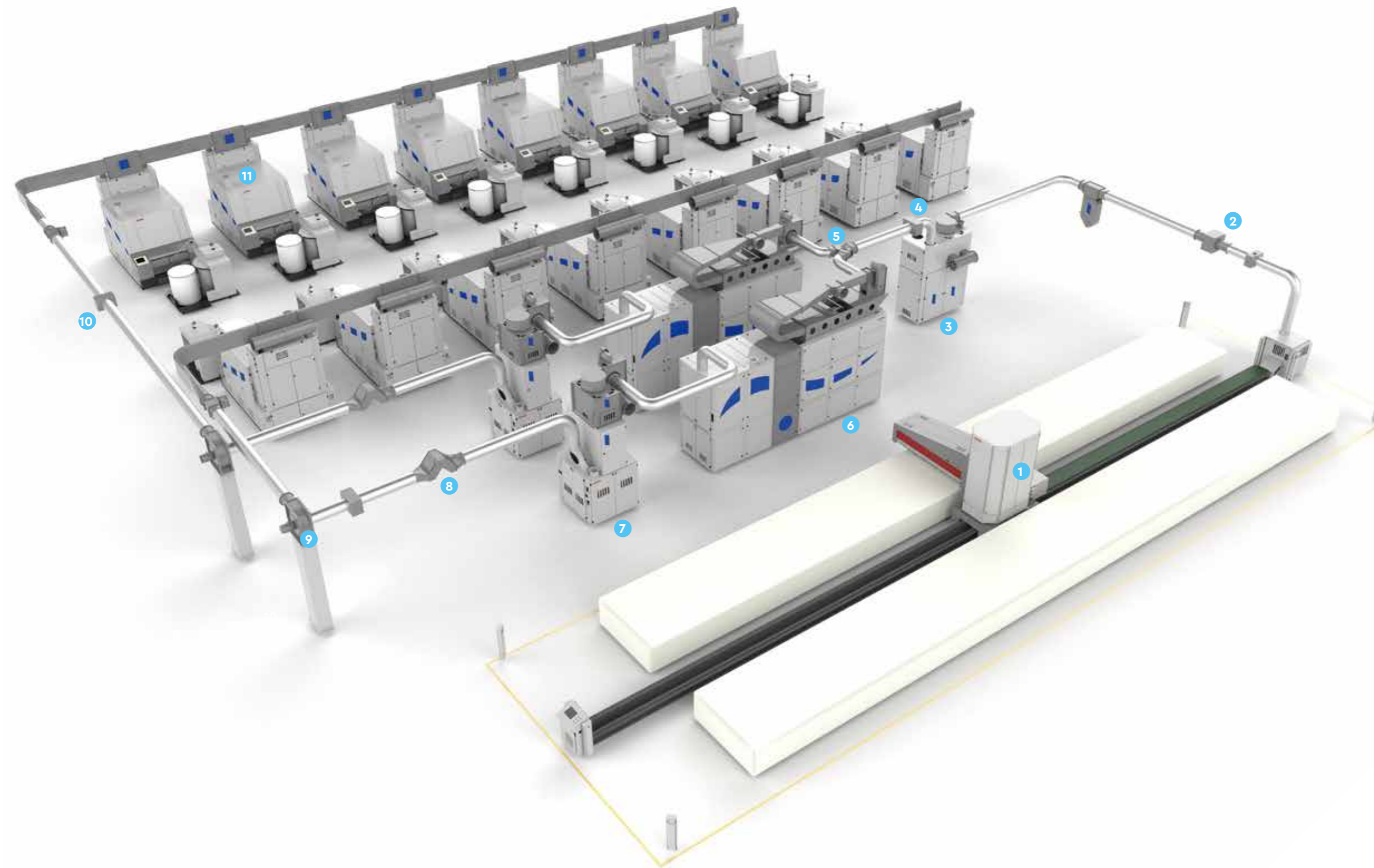


- |           |   |
|-----------|---|
| <b>1</b>  | JSB 008 C Reciprocating Bale Plucker              |
| <b>2</b>  | 119 MT-6000/119 MD 5 Spark & Metal Dual Separator |
| <b>3</b>  | FA 100 Multi-function Airflow Tower               |
| <b>4</b>  | 119 E Spark Separator                             |
| <b>5</b>  | JSB 325 Multi-mixer                               |
| <b>6</b>  | JSB 318 Fine Opener                               |
| <b>7</b>  | TF 27 Magnet Trap                                 |
| <b>8</b>  | JFA 020 A/JFA 026 E Transport Fan                 |
| <b>9</b>  | 119 E Spark Separator                             |
| <b>10</b> | TF 80 T Shape Distributor                         |
| <b>11</b> | JSC 230/JSC 328/Autocard Carding Machine          |



## Blowroom-carding process configuration

3.2. Ring spinning for man-made fibre (1 plucker, 2 mixers, and 2 cleaners with carding units)



- |           |   |
|-----------|---|
| <b>1</b>  | JSB 008 C Reciprocating Bale Plucker              |
| <b>2</b>  | 119 MT-6000/119 MD 5 Spark & Metal Dual Separator |
| <b>3</b>  | FA 100 Multi-function Airflow Tower               |
| <b>4</b>  | 119 E Spark Separator                             |
| <b>5</b>  | JFA 001 A Pneumatic Distributor                   |
| <b>6</b>  | FA 025 Multi-mixer                                |
| <b>7</b>  | JSB 108 Fine Opener                               |
| <b>8</b>  | TF 27 Magnet Trap                                 |
| <b>9</b>  | JFA 020 A Transport Fan                           |
| <b>10</b> | 119 E Spark Separator                             |
| <b>11</b> | JSC 230/JSC 328/Autocard Carding Machine          |



## Automatic Bale Plucker JSB 002、JSB 003 - meet demand of high quality functional fiber production.

As the first process of blow room, the automatic round bale plucker JSB 002 /JSB 003 grabs all grades of cotton and man-made fiber below 76mm. Two JSB 002 can be used in parallel if needed. When there are many varieties of cotton with large differences, the number of blending cotton bales can be increased, which helps to improve the blending quality and the evenness of the sliver.

- Maximum yield of 1 000 kg/h.
- More bales can be laid in JSB 003, better blending performance
- Two machine sets can be connected in parallel
- Widely used in small batches and large varieties
- Easy maintenance

### Finer plucking

JSB 002 and JSB 003 are both furnished with toothed beaters. From center to excircle, the toothed discs of JSB 003 are divided into five groups while 2 groups for JSB 002. Since the density of discs is from low to high, the cotton could be plucked evenly into small tufts and thus easy for blending and cleaning in next processes.

### JSB 003 - More capacity

JSB 003 inherits the traditional advantages of JSB 002 and has a better mixing effect. JSB003 can operate up to 4 bale lay-down which equals to 38 pcs of 1 000\*500mm bales in one time. Compared with JSB 002, the capacity is increased by 58%.



## Reciprocating Bale Plucker JSB 008 C - high yield and high efficiency

Reciprocating Bale Plucker JSB 008 C adopts specially designed bale plucking arm to ensure finer cotton plucking, higher yield and higher efficiency. It is suitable for all kinds of materials with a fibre length below 76 mm.

- A variety of arm lengths mean that this machine can flexibly meet space requirements of the mill. The maximum bale plucking length is 2.5 metres, and a maximum of 4 bales can be mixed and plucked at the same time.
- The bale plucking operation is stable and extremely safe.
- Maximum yield is 2 000 kg/h.
- It can pluck 2 different materials, and supply raw materials to 1-3 blowroom lines.
- Photoelectric protection can be equipped in the bale area with high safety and autostop function. (CE certified bale plucker is equipped with photoelectric protection as standard)
- Arm lifting is inverter controlled, which means that parameters can be set quickly and easily.
- The industrial human-machine interface displays faults automatically and is easy to operate.

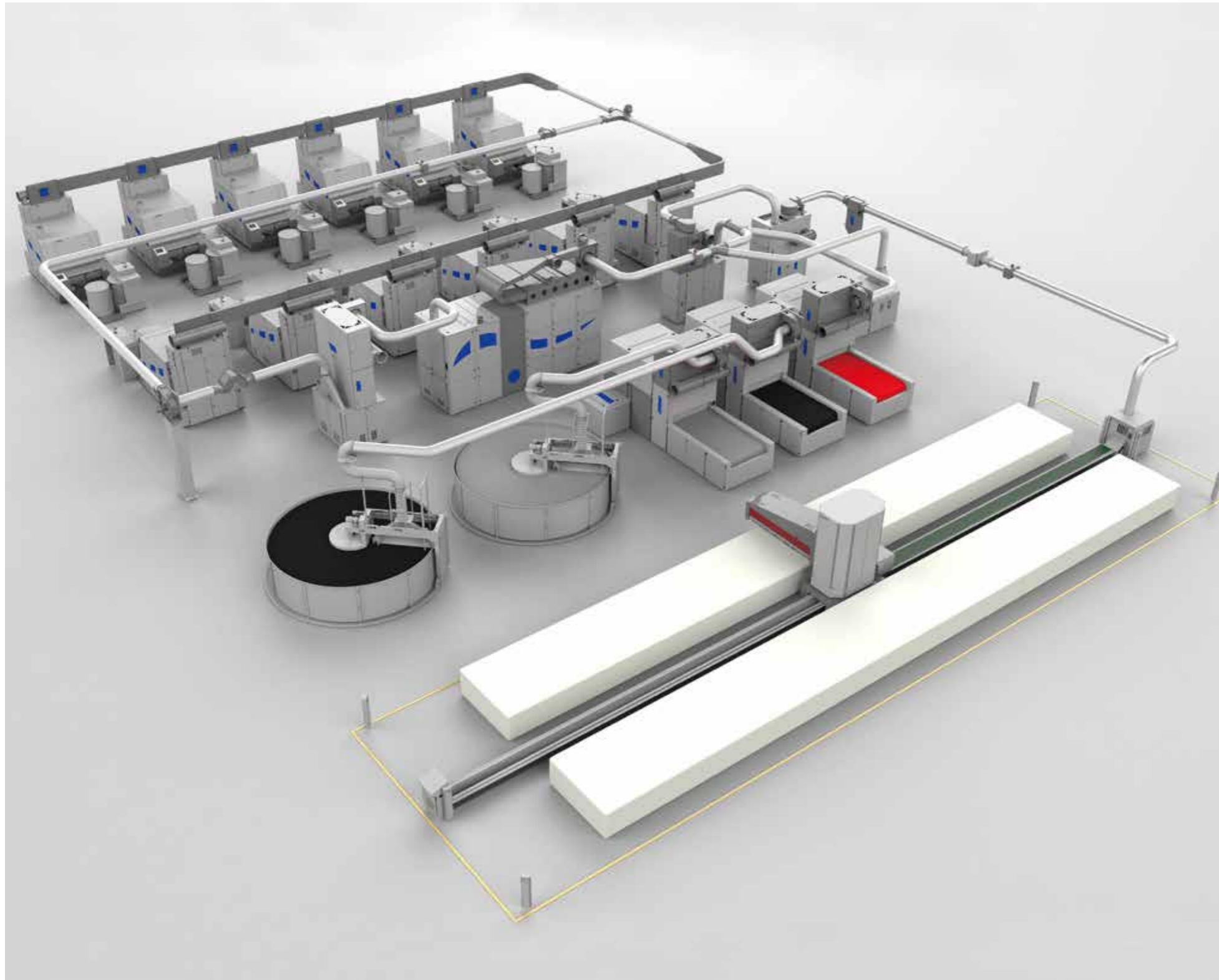
### Finer plucking

The descending accuracy is controlled within 0.1 mm. This means that smaller material clusters are plucked to ensure better opening and cleaning from the very beginning. The specially designed beater has 336 teeth – 80% more teeth than conventional machines, which allows finer and more precise plucking.

### Lower energy consumption

The aerodynamic optimised design of the air channel greatly improves the efficiency of the material transport fan, making material flow smoothly and reducing energy consumption.

# Precise blending.



- Visible and digital precise weighing
- Blending of up to 6 different raw materials
- Accuracy of blending up to 1%
- Auto-taring and accurate calibration
- Auto-compensation with weighing accuracy up to 1%
- Storage of multiple process formula, easy and fast lot change
- Easy to clean and saves labour costs
- Intelligent management



## Accurate Blending

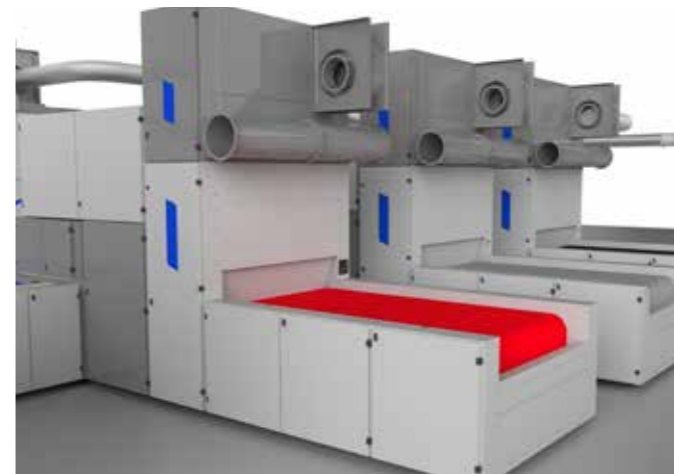
The Weighting Opener JSW 301 and the Horizontal Feeder JSW 311 can flexibly adopt various feeding modes such as automatic or manual. Accurate weighing according to the proportion, 2 to 6 different fibres can be blended at the same time with a blending accuracy of up to 1%.

### Visible and digital precision weighing

The dynamic display shows the weight of each weighing unit in real time. The weighing times and total weight are accumulated automatically. A highly precise sensor provides accurate readings.

### Auto-compensation with weighing accuracy of up to 1%

Auto-compensation based on the difference between previous weighing and the target value to ensure accurate blending ratio of up to 1%. The stable and reliable three-point weighing sensor helps to improve the accuracy of this process.



### Blending of up to 6 different raw materials

Modular weighing unit supports a real-time blending of up to 6 different raw materials to meet the production needs of customers in small batches and multiple varieties.

### Auto-taring and accurate calibration

Each weighing will be automatically tared to avoid the weighing unit error caused by dust or residuals. This will ensure weighing accuracy. Minimum blending ratio of 1%.

### Minimum blending ratio of 1%

The minimum blending ratio of different raw materials is up to 1%, whether it is a conventional blending ratio (such as 50% cotton/50% polyester) or a niche blending ratio (such as 1% red fibre/99% gray fibre). Flexible and easy blending can be achieved for each kind of raw material.



## Multifunctional Airflow Tower FA 100 – reducing running cost

The FA 100 Multifunctional Airflow Tower can effectively balance the airflow of the front and rear machines, remove the metal and heavy debris in the material flow, ensuring the safe and stable running of the blow-carding system and reducing the running cost.

- Maximum yield of 2 000 kg/h.
- The frequency converter of the fan ensures optimal air volume and pressure, and can result in energy saving.
- The FA 100 A is equipped with 2 outlets of material in order to meet the needs of different processes.
- Equipped with an innovative non-powered condenser to ensure stable airflow from the front to the rear of the machine, and to effectively remove fine dust.

### Lower energy consumption

The fan is regulated by the frequency converter to provide adequate air volume and pressure for the downstream machine. The aerodynamically-conforming material pipe ensures the smooth transfer of material flow. It can effectively reduce energy consumption by about 20%. (The spinning mill can save up to USD 1 100 on operating costs annually.)

### Higher space utilisation

The three-in-one feature of balanced air flow, heavy debris removal, and metal impurity removal greatly improves space utilisation and reduces investment costs.

### Optimised dedusting and impurity removal system

The aerodynamically designed and optimised dust removal system can effectively remove heavy debris, iron debris and fine dust.



## Mono-axial Flow Opener JSB 103 – high-efficiency impurity removal

The JSB103 Mono-axial Flow Opener is a pre-cleaning device that removes impurities, and is located between the bale plucker and the multi-mixer. It gently opens the raw materials to prevent damage to the fibres, and effectively removes fine dust and short fibres. It also stabilises the feeding pressure to prevent blocking of the machine.

- Working width 1 800 mm, maximum yield of 2 000 kg/h.
- Innovative dust cage material feeding device can effectively balance air flow and remove short fibre dust in the material flow.
- Unrestrained striking, gentle opening.
- The speed of the beater can be adjusted by the frequency converter, and the parameters can be easily changed.
- The grid bar structure can be adjusted manually adjustment or automatically, giving the customers the option to choose.

### High impurity removal rate

With a yield of 2 000 kg/h, if the impurity content of the raw material is greater than or equal to 2.5%, the impurity removal efficiency is about 45%; if the impurity content is less than 2.5%, the impurity removal efficiency is about 30%; when the noil impurity rate is as high as 80%, the removal rate is higher than that of similar products.

### Airflow balance

Innovative cleaning device and adjustable exhaust to ensure the airflow conveying the raw material is steady.

### Reduced energy consumption

The pressure in the impurity removing area is stabilised by continuous positive suction of the noil. This greatly improves the impurity removal rate and reduces energy consumption.



## Multi-mixer JSB 027 - meets the demand of all spinning processes

The JSB 027 Multi-Mixer is suitable for the opening and mixing of all kinds of fibres under 76 mm, with high adaptability of raw materials. It can meet the demands of all spinning process requirements and is easier to maintain due to its compact structure.

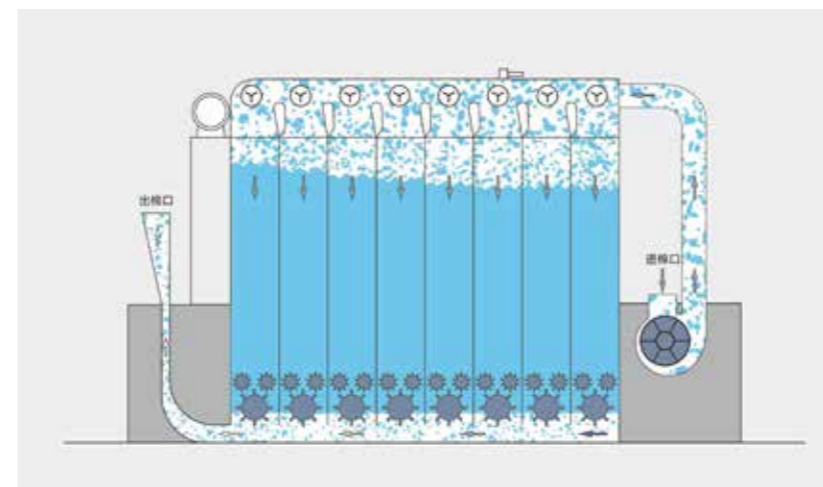
- Modular design for smooth material transportation and transfer.
- According to different output and mixing requirements, three different configurations of 6, 8 and 10 chambers can be provided for flexible selection.
- Maximum yield of 2 500 kg/h.
- Compact structure, convenient lot replacement and maintenance results in higher production efficiency.
- Infrared fire detector can be connected to the equipment control system, effectively preventing fire hazards and minimising losses.

### A more even mixing process

Through the optimised aerodynamic design of the material distribution channel, the grouped multi-stage differential transmission is adapted for feeding roller to ensure the mixing uniformity to the maximum extent. It can be used with FA 025 Multi-mixer or JSB 325 Multi-mixer to meet all the requirements of the modern spinning process.

### Easy parameter setting

Fans, feed rollers, beaters and other mixing units are inverter controlled for easier parameter setting. The modular design of opening unit with its simple structure is extremely easy to maintain and ideally suited for small lots.



### Optimised transmission components

The cotton roller adopts a grouped multi-stage speed difference transmission. The raw materials are fed at the same time but the output occurs at different times, which achieves an excellent mixing effect. The cotton roller has variable frequency speed regulation, which makes process adjustment easier. The transmission has two configurations of variable pulley and frequency conversion speed regulation, which can be flexibly selected according to the needs of the customer.



## Multi-mixer JSB 325 - shorter process flow and reduced cost

The Multi-mixer JSB 325 is suitable for mixing various fibres (up to fibre length 76 mm) that require high mixing uniformity.

- Maximum yield up of to 1 500 kg/h.
- The combination of airflow, laminated and density mixing results in an outstanding result.
- Fibre length and strength are optimised by the even mixing of different fibre clusters, which ensures high quality of carding sliver, resulting in lower breakages during spinning process, especially for blended yarn.

### Easy to clean and maintain

Modular design, anti-winding technology and a gauge setting that is adjustable from the outside allows for extremely convenient and easy cleaning as well as maintenance.

### JSB 325 A - multifunction integration

The JSB 325 A is a combination of multi-mixer and fine opener whose integrated large capacity mixing and opening technologies shorten the process. Material is fully opened and cleaned gently without damaging it. A fine opener can be reduced in a single blowroom line to save cost of production and maintenance.

### Material saving

The optimised structure helps to increase efficiency in the removal of impurities by 20%. Impurity content in the noil is improved significantly, which reduces wastage of raw material.



## Fine Opener JSB 318 - fine opening and deep cleaning

The JSB 318 Fine Opener can realise the fine opening of various raw cotton or chemical fibre materials (fibre length below 76 mm), and effectively remove sterile seeds, dead cotton, fine dust and fibrous lumps in the raw materials. It can also realise the opening and cleaning tasks of raw materials for the blowroom production lines.

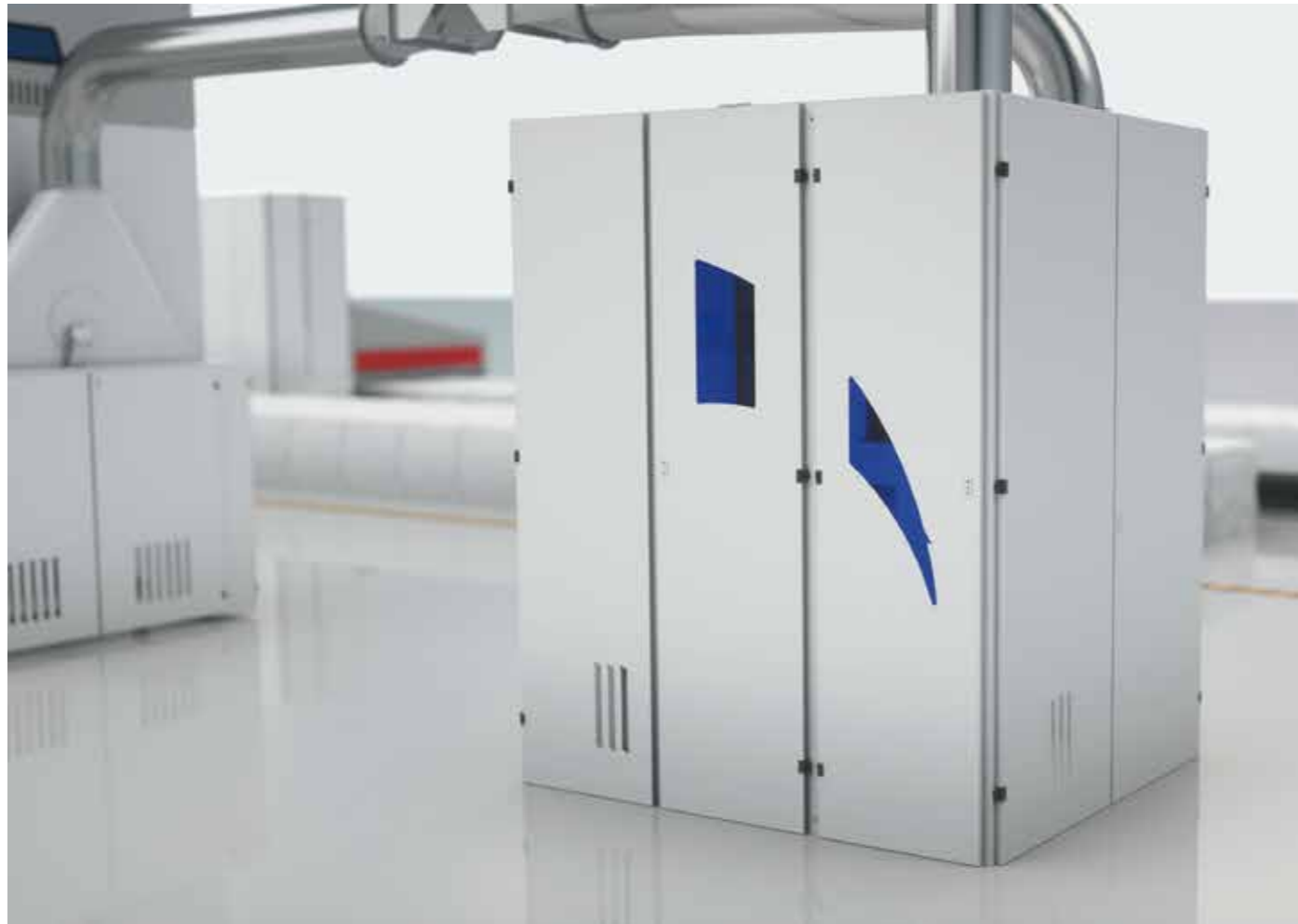
- Working width 1 600 mm, maximum yield up to 1 500 kg/h.
- Three types of beaters: pinned aluminium/saw-tooth/porcupine beater.
- Soft opening can effectively reduce damage to the fibres and ensure the production of high-quality sliver during the carding process.

### Deep cleaning

The JSB 318 Fine Opener can adapt to different raw material impurity removal requirements, effectively removing the short fibres and fine dust in the raw materials; various gauge settings can be adjusted on the outside the machine. It can effectively remove large and small dust particles according to process requirements, with excellent impurity removal effect.

### Reduce labour intensity

Photoelectric detection can automatically control the amount of material in the feeding hopper; the specially designed waste suction removes the impurities continuously from the under screen area so that jamming is avoided, therefore less effort is required by workers.



## De-dusting Machine SFA 201 – improves the production efficiency of subsequent processes

The SFA 201 De-dusting Machine is suitable for all grades of cotton fibres, and performs the last cleaning step in the blowroom process, removing fine dust from the fully opened fibres. This is particularly important for subsequent rotor- and air-spinning processes, as it can greatly reduce yarn breakage resulting from dust-laden fibres. It also improves production efficiency.

- Working width 1 600 mm, maximum yield of 1 500 kg/h.
- Stepless frequency conversion speed regulation of the inlet fan, which can flexibly adapt to various raw materials and output requirements.
- Easy operation, and the fibre quality is guaranteed because there is no damage during the dust removal process.

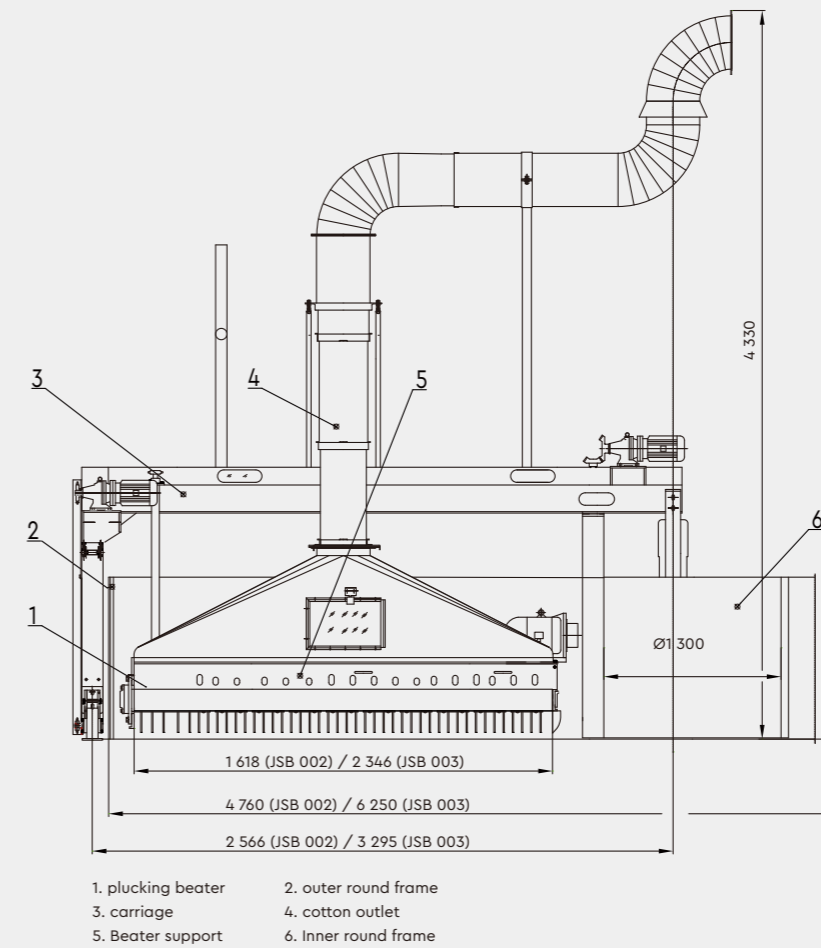
### High efficiency dedusting

The aerodynamically designed cotton distribution pipeline is adapted to even out the flow of cotton, and the fibre clusters fully make contact and collide with the mesh plate, so fine dust particles are effectively removed without damaging the fibres.

### Less maintenance required

The optimised design of the feed pipe is highly stable, which effectively reduces the need for maintenance.

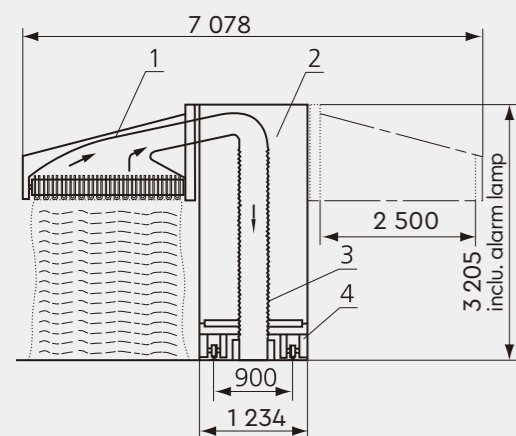
## Technical data - Automatic bale plucker JSB 002、 JSB 003



Type	JSB 002	JSB 003
Output(kg/h)	800	1 000
Loading capacity(kg)	2 600	4 600
Speed of beater(r/min)	860/700	720/910
Speed of carriage(r/min)	1.3/2.1	1.1/1.6
Blade extension from grid(mm)	-2~6	
Power(kW)	4.5	6.25
Diameter of rail(mm)	5 132	6 590
Height(mm)	4 330	
Net weight(kg)	Approx. 1 800	Approx. 2 300



## Technical data - JSB 008 C Reciprocating Bale Plucker



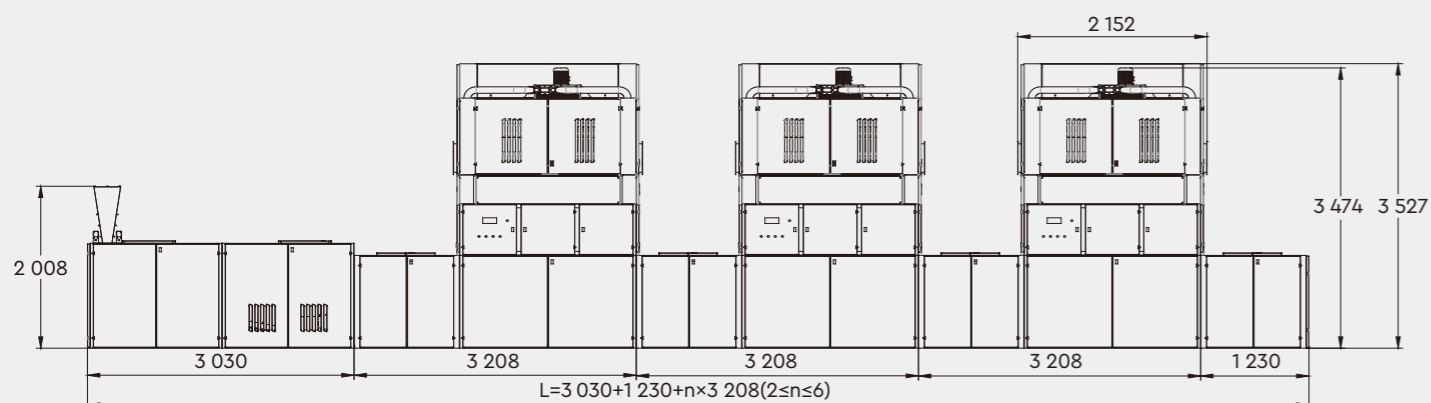
1. Plucking beater      3. Upright air-duct  
2. Re-cooling tower    4. Carriage

Type	JSB 008C
Output (kg/h)	1 000 (1.7 m), 1 500 (2.3 m), 2 000 (2.5 m)
Pluck head width (mm)	1 720, 2 300, 2 500
Pluck length (m)	Basic length 15.9 (8 sections)
Carriage speed (m/min)	18 (Adjustable by inverter)
Plucking beater speed (rpm)	1 010, 1 220, 1 440
Diameter of pluck beater (mm)	250
Number of beater teeth	246 (1.72 m) / 336 (2.3 m) / 366 (2.5 m)
Head rising speed fast (m/min)	6.56
Head rising speed slow (m/min)	0.82
Extracting duct outlet pressure	≤-900
Installed power (kW)	16.5 (fan inclu.) / 9 (fan exclu.)
Net weight (kg)	6 500

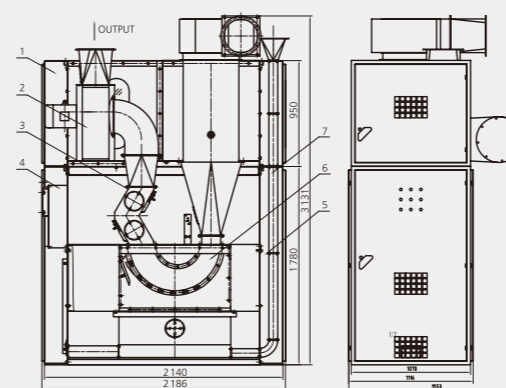
Product	Machine width (mm)	Max. production (kg/h)	Feeding module	Installed power (kW)	Overall dimension (L×W×H mm)	Remarks
JSW 311	1 600	700	Manual feeding + Auto-feeding	11.5	6 552×2 152×3 527	
			Auto-feeding	10.75	3 775×2 152×3 527	
			Manual feeding	7.5	6 552×2 086×3 473	

Product	Machine width (mm)	Max. production (kg/h)	Installed power (kW)	Number of units of weighing unit	Overall dimension (L×W×H mm)	Remarks
JSW 301	1 200	1 800 (continuity)	7.7	2	10 676×1 800×2 008	Match different quantity of JSW 311
				3	13 884×1 800×2 008	
				4	17 092×1 800×2 008	
				5	20 300×1 800×2 008	
				6	23 508×1 800×2 008	
	Weight/dosing (g)	≥1 000g		200~1 000g		
	Average weighing accuracy	≤1%		≤2%		

## Technical data – Weighing System JSW



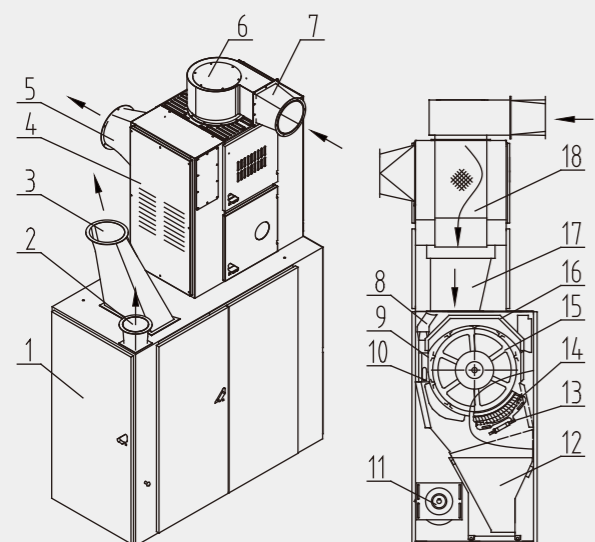
## Technical data – FA 100/A Multi-function Airflow Tower



1. Airflow balance unit  
2. JFA 026 transport fan  
3. Magnet trap  
4. Electric controller  
5. Bottom frame  
6. Grid bar unit  
7. Waste suction

Type	FA 100/A
Output (kg/h)	2 000
Transport fan (Model)	JFA 026
Air volume of transport fan (m <sup>3</sup> /h)	3 500~4 600
Air volume of exhaust dust (m <sup>3</sup> /h)	3 500
Negative pressure of dust exhaust (m <sup>3</sup> /h)	-50~-150
Air volume of waste suction (m <sup>3</sup> /h)	1 800
Negative pressure of waste suction (Pa)	-700~-850
Installed power (kW)	4
Overall dimensions (L×W×H mm)	FA100: 2 200×1 560×3 131 FA100A: 2 200×1 560×3 530
Net weight (kg)	FA100: 1 000 kg FA100A: 1 100 kg

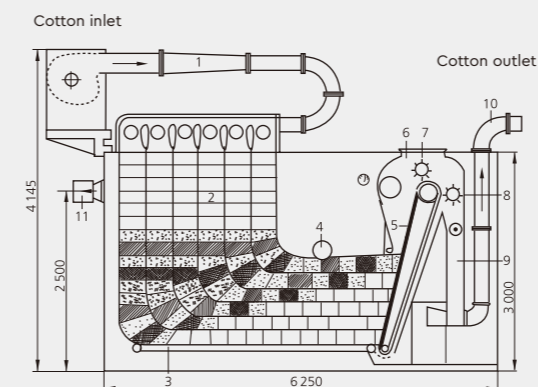
## Technical data - JSB 103 /C Mono-axial Flow Opener



- |                         |                                 |
|-------------------------|---------------------------------|
| 1. Frame assembly       | 10. Dust removing pipe assembly |
| 2. Waste suction outlet | 11. Beater motor                |
| 3. Cotton outlet        | 12. Waste carriage              |
| 4. Cotton feeder        | 13. Grid bar adjusting device   |
| 5. Exhaust outlet       | 14. Grid assembly               |
| 6. Fan housing          | 15. Beater                      |
| 7. Cotton inlet         | 16. Casing                      |
| 8. Dust duct            | 17. Waste funnel                |
| 9. Dust removing grid   | 18. Dust cage                   |

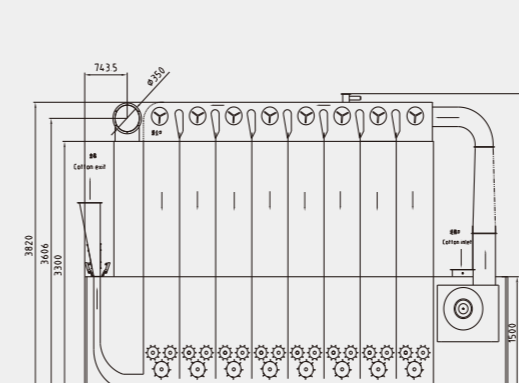
Type	JSB 103/C
Output (kg/h)	2 000
Working width (mm)	1 800
Spike beater roller size (mm)	1 788 × Ø750
Speed (rpm)	Frequency converting: 800 × f/50
Bar grid type	Four groups of triangular bars in front, rear right and left (JSB 103C electric driver adjustment)
Gauge (mm)	5.5~11.5
Installation angle	-15°~5°
Negative pressure of material outlet (Pa)	≤-300
Air volume of waste suction (m <sup>3</sup> /h)	1 800
Air pressure of waste suction (Pa)	-700~-850
Air volume of dust exhaust (m <sup>3</sup> /h)	3 500
Negative pressure of dust exhaust (Pa)	-50~-150
Power (kW)	11
Overall dimensions (L X W X H mm)	2 502×1 407×3 975
Net weight (kg)	1 800 kg

## Technical data - FA 025 /A、 JSB 325 /A、 JSB 027 Multi-mixer



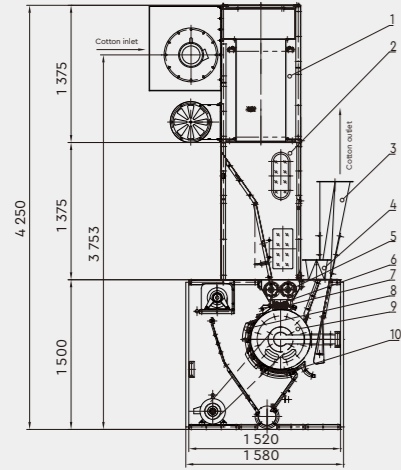
- |                            |                        |
|----------------------------|------------------------|
| 1. Feeding tube            | 7. Evener roller       |
| 2. Vertical storing trunks | 8. Stripping roller    |
| 3. Conveyor lattice        | 9. Reserving box       |
| 4. Guiding roller          | 10. Material outlet    |
| 5. Inclined lattice        | 11. Air exhaust outlet |
| 6. Mixing chamber          |                        |

Type	FA 025 / FA 025A	JSB 325 / JSB 325A
Output (kg/h)	1 000	1 500
Working width (mm)	1 200	1 600
Number of trunks	6	6
Air volume of material inlet (m <sup>3</sup> /h)	4 600~5 700	5 100~6 200
Air pressure of material inlet (Pa)	≤300	≤ 300
Air pressure of material outlet (Pa)	≤-300	≤ -300
Air volume at droppings-sucking outlet (m <sup>3</sup> /h)	1 800	1 800 / 2 000
Air pressure of droppings-sucking outlet (Pa)	-700~-850	-700~-850
Air volume at exhaust dust outlet (m <sup>3</sup> /h)	4 000	4 500
Air pressure of air exhaust outlet (Pa)	-50~-150	-50~-150
Power (kW)	7.85 / 12.60	10.35 / 15.10
Overall dimensions (L×W×H mm)	6 250×1 614×4 445	6 250×2 014×4 445 / 6 350×2 014×4 445
Net weight (kg)	About 4 800 / About 5 214	About 5 800 /About 6 000



JSB 027	6 trunks	8 trunks	10 trunks
Output (kg/h)	1 500	2 000	2 500
Working width (mm)		1 600	
Air volume of material inlet (m <sup>3</sup> /h)		3 500~5 800	
Air pressure of material inlet (Pa)		≤200	
Air pressure of material outlet (Pa)		≤-300	
Air volume at exhaust dust outlet (m <sup>3</sup> /h)		3 500~4 500	
Air pressure of air exhaust outlet (Pa)		-50~-150	
Power (kW)	11	11	14.5
Overall dimensions (L×W×H mm)	5 063×2 012×3 934	6 063×2 012×3 934	7 063×2 012×3 934
Net weight (kg)	6 150	7 200	8 250

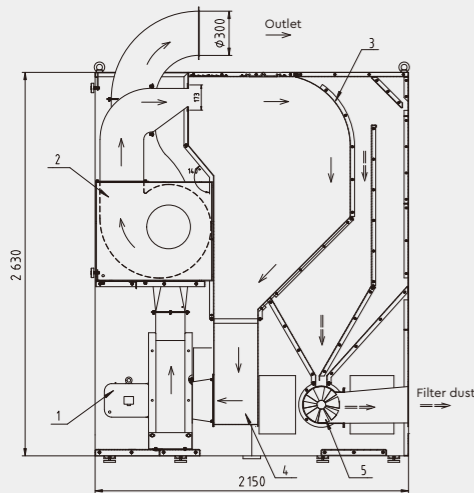
## Technical data - JSB 108、JSB 318 Fine Opener



1. Condenser
2. Photo control chute
3. Cotton outlet
4. Waste suction outlet
5. Take-in roller
6. Front feed roller
7. Back feed roller
8. Knife
9. Beater
10. Triangular dust bar

Type	JSB 108	JSB 318
Output (kg/h)	1 000	1 500
Working width (mm)	1 060	1 600
Type of beater	Pinned aluminium (optional porcupine & nose-type beater)	
Diameter of beater (mm)	600	
Speed of beater (r/min)	600 / 540 / 480	
Diameter of feeder roller (mm)	76	
Grid type	6 trash extractors	
Air volume of material inlet (m <sup>3</sup> /h)	3 500~4 300	4 600
Negative pressure of material outlet (Pa)	≤ -300	
Air volume of dust exhaust outlet (m <sup>3</sup> /h)	3 500	4 000
Air pressure of air exhaust outlet (Pa)	-50~-150	
Air consumption of waste suction (m <sup>3</sup> /h)	1 800	2 000
Negative pressure of waste suction (Pa)	-700~-850	
Power (kW)	3.75 (incl. condenser)	9.5 (excl. condenser)
Overall dimensions (L×W×H mm)	1 580×1 660×2 875	1 580×2 200×4 250
Net weight (kg)	Approx. 2 000	Approx. 3 000

## Technical data – SFA201 De-dusting Machine



1. Delivery fan
2. Feed fan
3. Filter net
4. Condenser
5. Dust collecting tank

Type	SFA 201
Output (kg/h)	1 500
Working width (mm)	1 600
Air volume of inlet fan (m <sup>3</sup> /h)	4 600 ~ 5 000
Air volume of outlet fan (m <sup>3</sup> /h)	4 000 ~ 4 800
Area of filter net (m <sup>2</sup> )	3.6
Air volume of dust exhaust outlet (m <sup>3</sup> /h)	3 500
Air pressure of dust exhaust outlet (Pa)	-50 ~ -150
Installed power (kW)	8
Overall dimensions (L×W×H mm)	2 180 × 1 860 × 2 646
Net weight (kg)	1 450

## Technical data - Transport Fan



JFA 026 /E/F/JFA 020 A adopts motor direct connection mode



JFA 026 A adopts belt drive mode

Type	JFA 026 (4kW)	JFA 026 (5.5kW)	JFA 026A (4kW)	JFA 026A (5.5kW)	JFA 026E	JFA 026F	JFA 020 A
Speed of fan (rpm)	1 445	1 445	1 445/1 594/1 778	1 580/1 744/1 945	2 905	2 940	2 875
Air volume (m <sup>3</sup> /h)	4 000	5 500	4 600/5 100/5 700	5 100/5 600/6 200	6 800	8 500	3 500
Air pressure (pa)	600	800	500/600/800	600/800/1 000	1 400	1 600	1 200
Power (kW)	4	5.5	4	5.5	7.5	11	4
Overall dimensions (L×W×H mm)	850×1 042×674	850×1 042×692	1 042×1 127×575	1 042×1 127×575	850×1 042×702	850×1 042×830	800×882×633
Installed machine	FA 100/SFA 201/JSW 311	JSB 027	JFA 030 B/FA 025/JSB 325 (standard configuration)	JFA 030 B/FA 025/JSB 325 (high yield)	JSB 008 C (standard configuration)	JSB 008 C (standard configuration)	SFA 201

## Technical data - Pneumatic Distributor



Type	JFA 001 A
Working diameter (mm)	300
Handling air volume (m <sup>3</sup> /h)	2 000~6 000
Working pressure (MPa)	0.2~0.6
Air consumption per action (dm <sup>3</sup> /h)	Approx. 0.08
Air pipe spec.	ø6 × 1

## Pictures of auxiliaries

### Magnet Trap

TF 27



### Three-way Control Valve

TF 29



### Disconnecting Valve

TF 40



### T Shape Distributor

TF 80



### Picture - Electric control box



## Technical data - Metal Separator



Type	MT 904
Power source	AC220V ± 10%, 50HZ
Sensitivity (mm)	No less than ø3 steel ball for ferromagnetic material
Power consumption (VA)	< 100
Cotton speed range in conveying duct (m/sec)	5 ~ 25
Diameter of conveying duct (mm)	300
Environmental temperature (°C)	0 ~ 40
Environmental humidity (%)	40°C(20 ~ 75)%RH

## Technical - Spark Separator



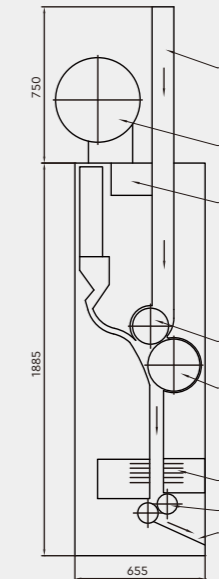
Type	119 E/F
Power source	220V ± 10%AC
Adaptable pipe diameter (mm)	200 ~ 600
Detecting sensitivity	ø1 mm spark within 0.5 m
Response time (sec)	< 0.2
Power consumption (W)	< 30 when static, < 90 when activated
Environmental demands	Temperature: -10°C ~ 40°C; Relative humidity: ≤ 80%
Air current speed range of the pipe (m/sec)	5 ~ 25

## Technical data - Spark and Metal Dual Separator



Type	119 MT-6 000	119 MD 5
Power	AC220V ± 10%, 50HZ, 60HZ	AC220V ± 10%, 50HZ, 60HZ
Detecting sensitivity	Spark - ø1 mm, within 0.5 m and above 150°. Metal - above ø3 mm steel ball	Spark - ø1 mm, within 0.6 m and above 150°. Metal - above ø 3 mm steel ball; above ø 4 mm copper ball; above ø 4 mm aluminum ball ; above ø 5 mm stainless steel ball
Power consumption (VA)	<100	<100
Cotton speed range in conveying duct (m/sec)	5~25	5~25
Diameter of conveying duct (mm)	300	300
Response time	Millisecond	Millisecond

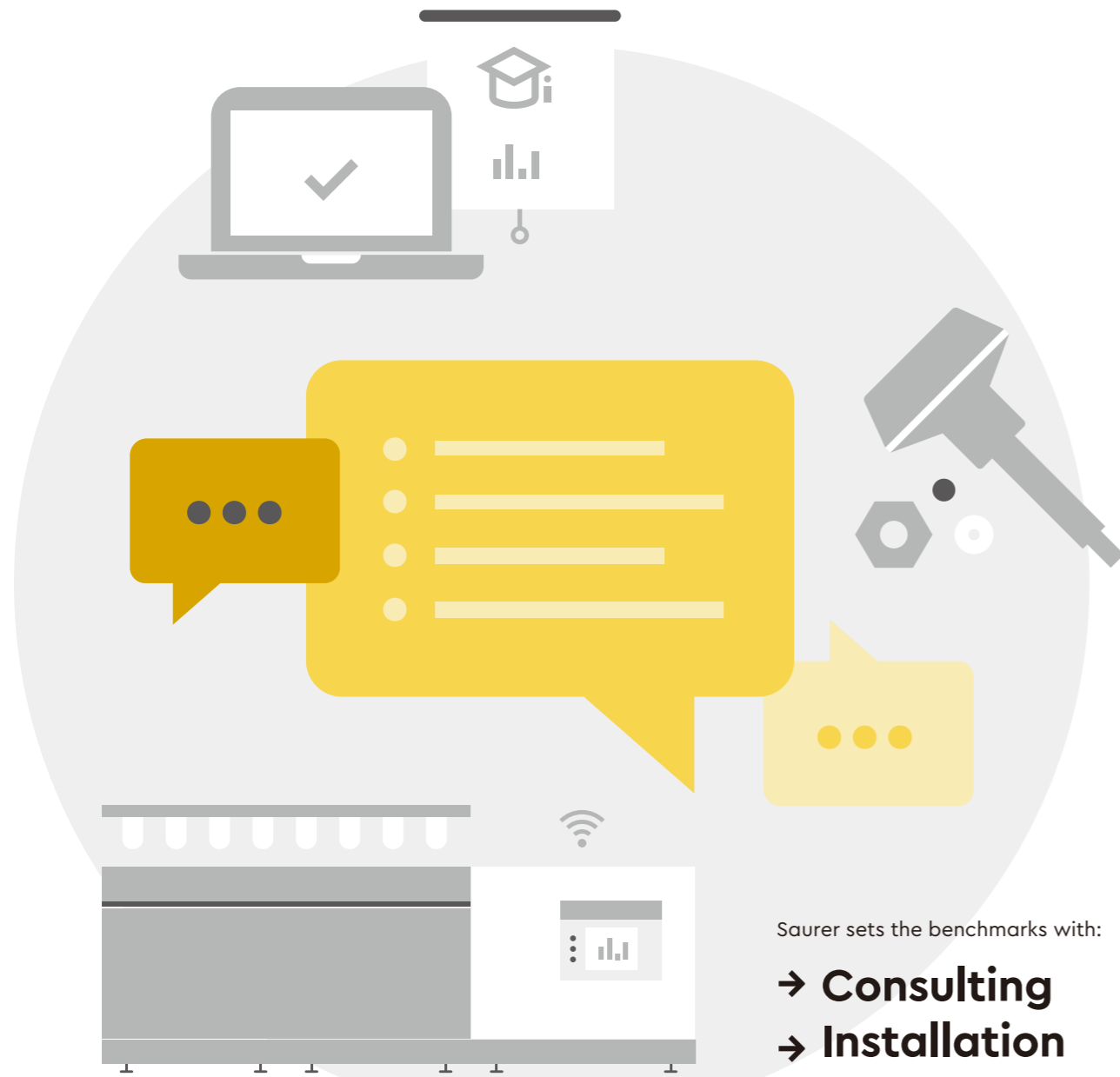
## Technical data - Chute Feeding hopper



1. Hopper
2. Dust outlet
3. Dust filter
4. Feeding roller
5. Beater
6. Air outlet
7. Output roller
8. Cotton conveying plate

Type	JSC 371	JSC 180
Unit output (kg/h)	150	120
Working width (mm)	1 200	950
Units	5~10	5~10
Diameter of beater (mm)	250	250
Air pressure in upper chute (Pa)	600~800	600~800
Air pressure in lower chute (Pa)	150~300	150~300
Air capacity at exhaust duct outlet (m³/h)	800	800
Air pressure at exhaust dust outlet (Pa)	-50~-150	-50~-150
Power (kW)	2.25	1.9
Overall dimensions (L×W×H mm)	1 920 × 685 × 3 435	1 670 × 685 × 3 435
Net weight (kg)	Approx. 1 100	Approx. 900

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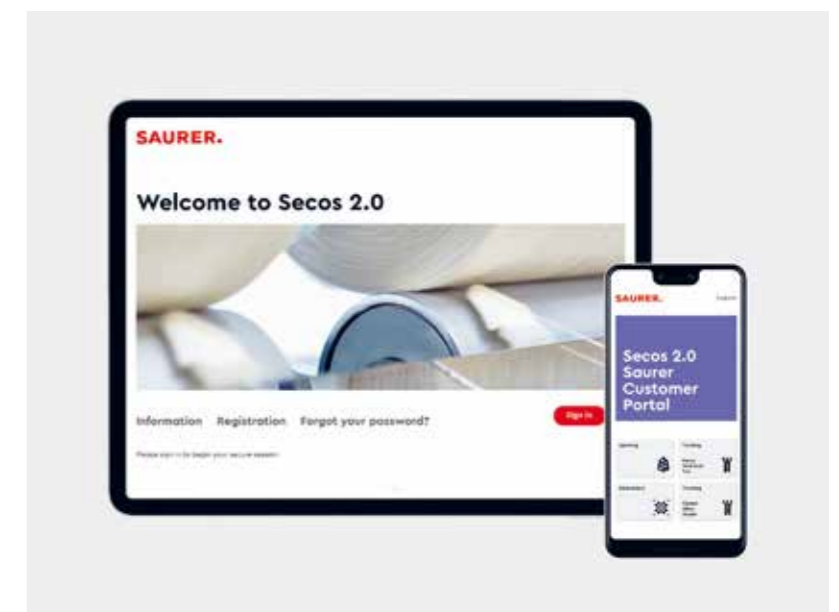
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