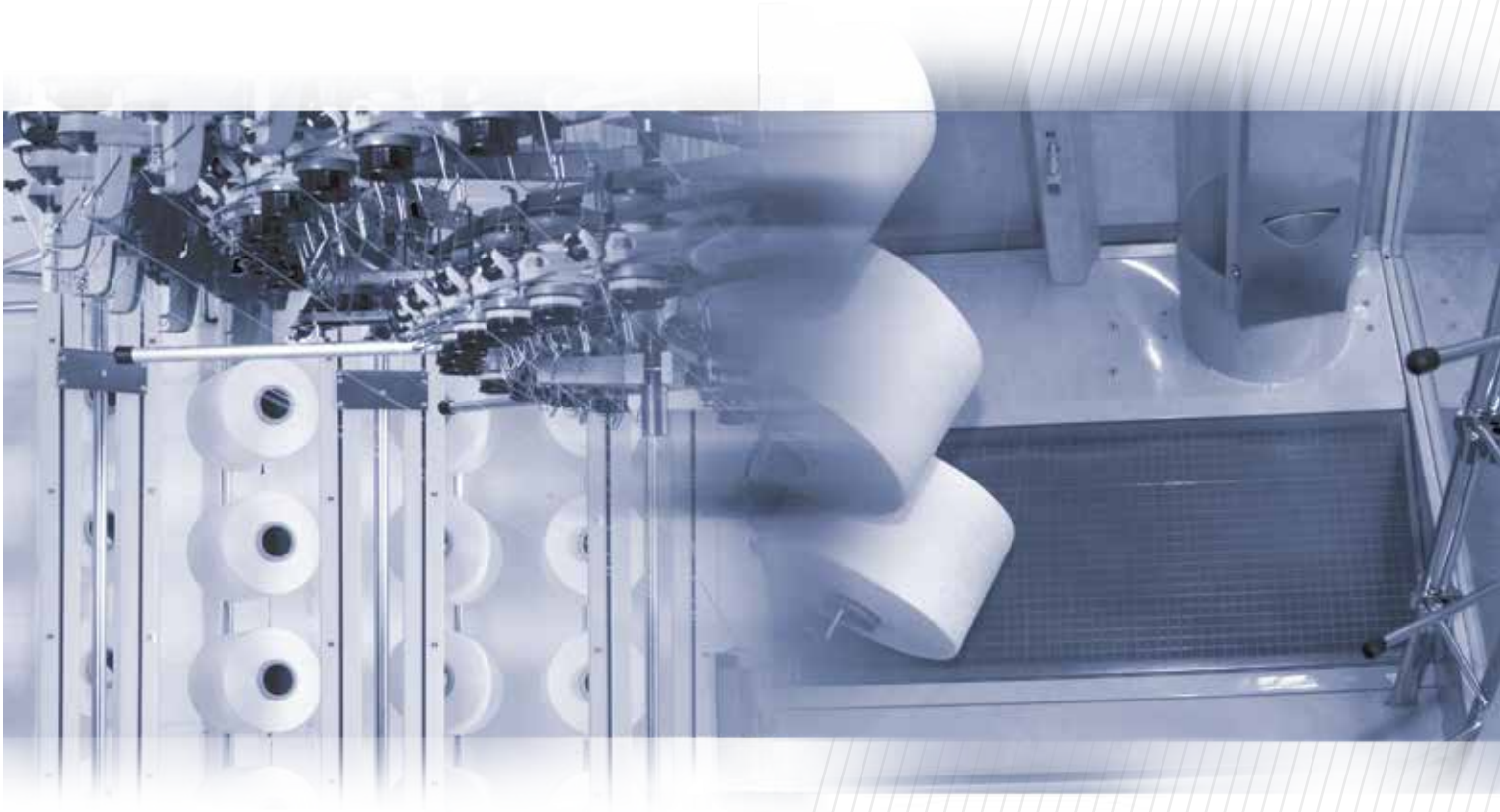
VANDEWIELE

MEMMINGER-IRO®



MEMMINGER-IRO Side Creels:
Individual bobbin holder rod

ADVANCED KNITTING TECHNOLOGY

FLEXCREEL

Increased efficiency for
all your machines

FLEXCREEL Circular

Combines the advantages
of two systems

MEMMINGER-IRO

FILTERCREEL 3

Self-cleaning blower system
reduces contamination and
knitting faults

FLEXCREEL

Increased efficiency for all your machines

Larger bobbins can be installed on the Flexcreel, reducing downtime and increasing the efficiency of the knitting machine.

The square tubes of the Flexcreel are fixed to each other using a single type of universal coupling to ensure a solid fastening. This ensures that the segments are highly stable.

The Flexcreel is designed for a maximum bobbin load of 90 kg per segment.

Applications			
■	*Circular knitting machines*	■	*Flat knitting machines*
	Sock machines		*Warp knitting machines*
	Hosiery machines	■	*Seamless machines*

The following variants are available:

- Open yarn guide
- Closed yarn guide made from aluminium, crimped aluminium and plastic tubing.
- Closed yarn guide with air jet for threading the yarn into the tubes.

Advantages

- Suitable for all bobbin sizes
- Modular design makes multiple versions possible.
- Versatility. Modular construction enables a wide variety of uses
- High stability
- Wide range of accessories

FLEXCREEL: Versions

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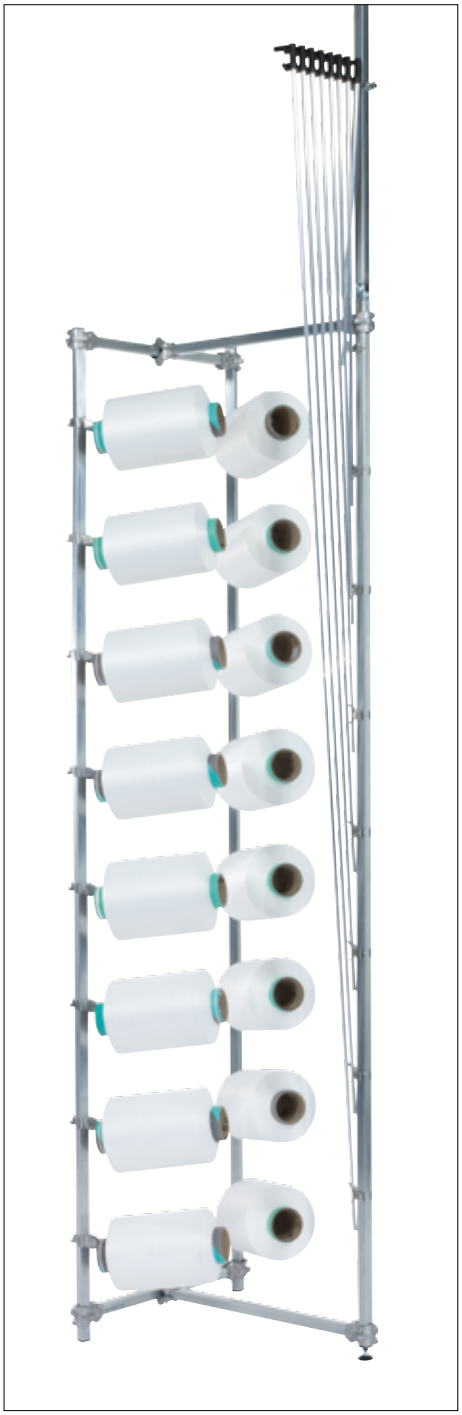
Open yarn guide with reserve bobbin

Closed yarn guide with reserve bobbin



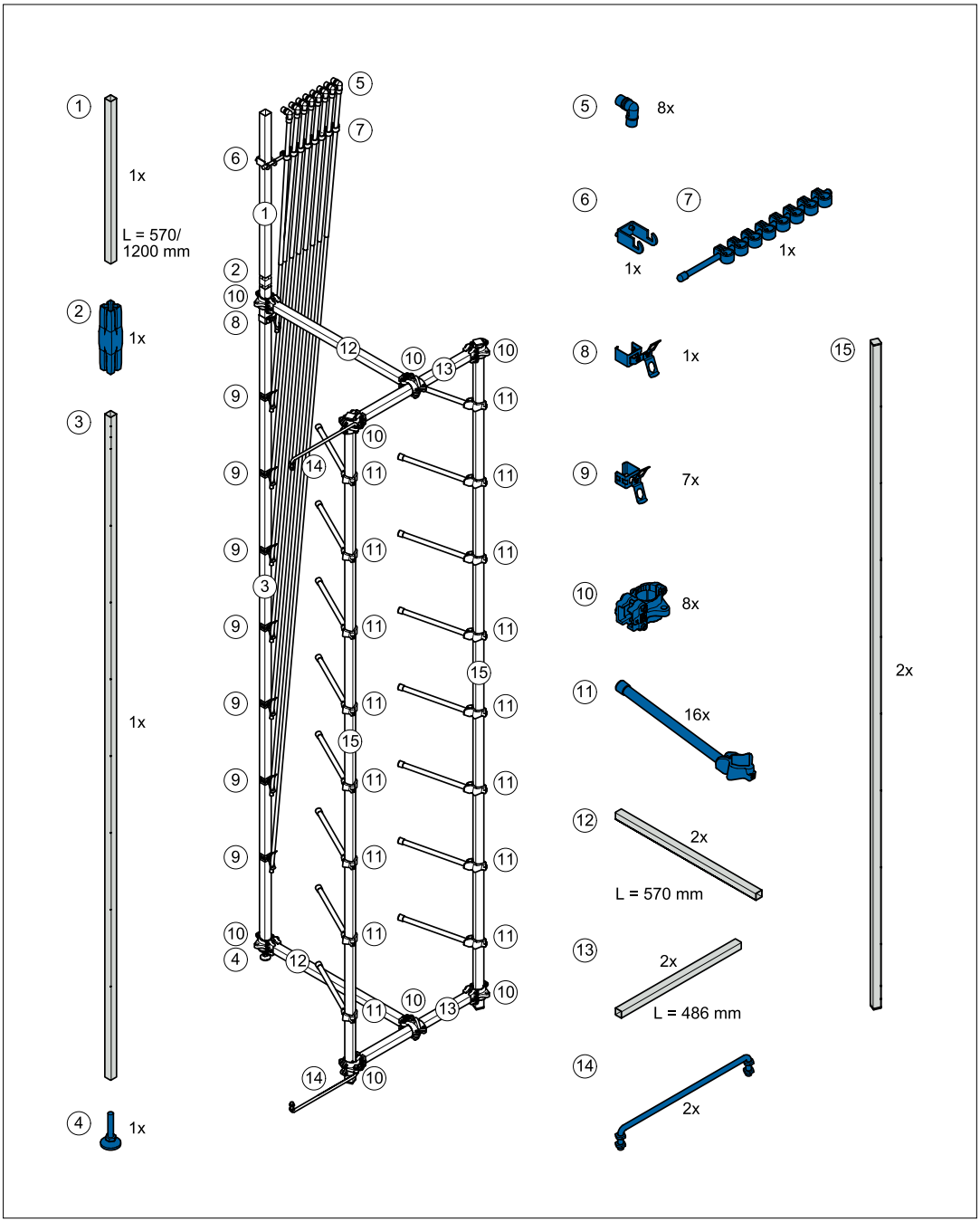
Air jet with reserve bobbin

FLEXCREEL: Part set

Transport costs
The transport costs for side creels are relatively high due to their weight and volume, representing a significant proportion of the total investment. For this reason Memminger-IRO offers customers the option of procuring the square tubes (items 1, 3, 12, 13, 15) locally themselves and only having the part set supplied by Memminger-IRO.

MEMMINGER-IRO Part set

Square tubes procured locally



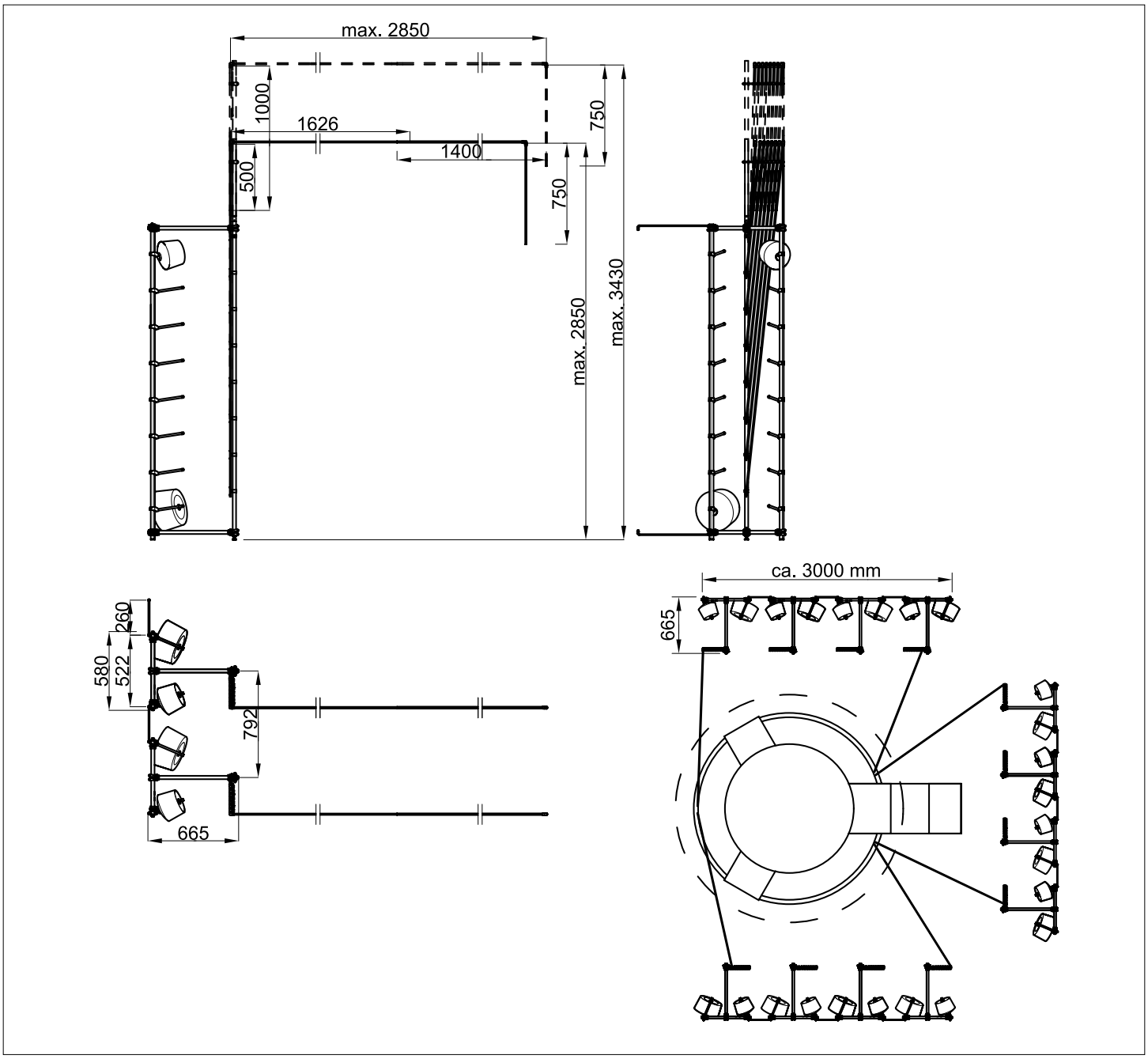
Bracket tensioner (optional)

Yarn tensioner (optional)

Barrel tensioner (optional)

Air Jet System (optional)

FLEXCREEL: Space requirement



Technical data

Segment width	580 mm
Segment height	2850 / 3430 mm
Segment depth	665 mm
Segment separation	792 mm

FLEXCREEL Circular

FLEXCREEL combines the advantages of two systems

The Flexcreel Circular is a combination of Flexcreel and the Venti-Cleaner VCL 5 with 5 motors. The yarn is fed through tubes in order to prevent lint build-up.

The 90° elbow tube is designed to reduce yarn contact at this critical point to the minimum. This feature prevents the creation of high yarn tension on the yarn path from the bobbin to the feeder. Plastic or aluminium telescopic tubes are available.

Advantages

- Circular design ensures optimum blowing of bobbins by the Venti-Cleaner.
- The knitting machine and the creel are separated and there is therefore no risk they will contaminate each other.
- Lower energy consumption because no compressed air is required to keep the bobbins clean.
- The design prevents the accumulation of lint on the reserve bobbins.
- The creel can be fitted with the „Air Jet System“, which automatically threads the yarn into the tube.
- Easy to fit accessories.

Applications			
■	*Circular knitting machines*	■	*Flat knitting machines*
	Sock machines		*Warp knitting machines*
	Hosiery machines	■	*Seamless machines*

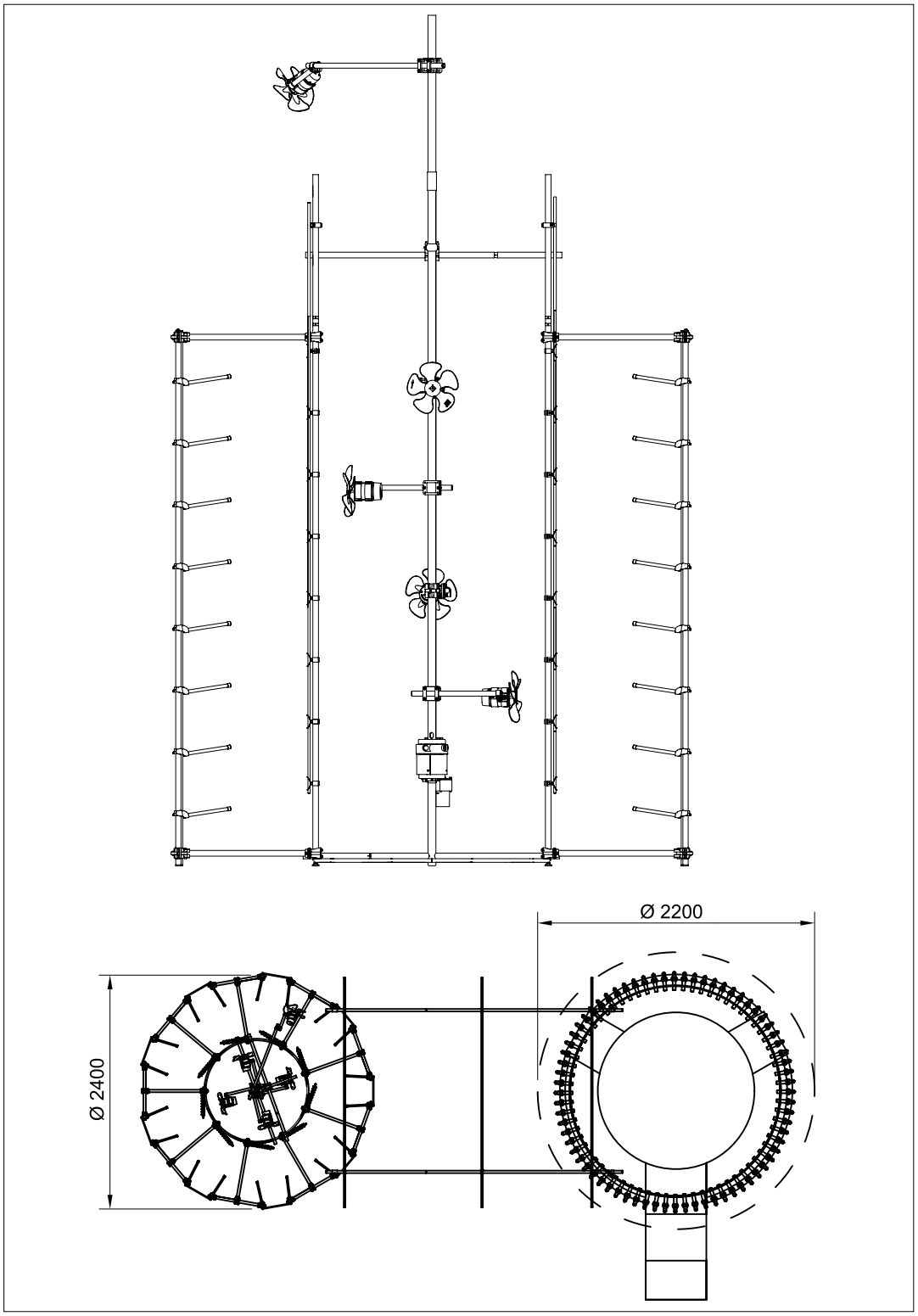
Components

Air Jet System (optional)

The Air Jet System makes threading the yarn into the tube easy. The system can be used with all tube duct creel configurations. The system means that no extra air jet gun is required on the knitting machine. The system cuts downtime caused by yarn breakages and thus increases knitting machine efficiency.

Barrel tensioner (optional)

Function diagram



FILTERCREEL 3

Air jets remove creel lint and reduce knitting faults

As 30% of knitting room dirt is produced by the creel unit it is necessary to install a FILTERCREEL 3 enclosed yarn creel system. This is the most reliable way of ensuring clean yarn feed, improved machine output and fewer knitting faults.

The air jets clean the bobbin tops, surfaces and the yarn reserve. The air-borne lint is then sucked into a flat, floor-mounted filter. Any fluff and lint that has collected on the floor fliter of the unit can be quickly and easily removed by the operator.

Applications			
■	*Circular knitting machines*	■	*Flat knitting machines*
	Sock machines		*Warp knitting machines*
	Hosiery machines	■	*Seamless machines*

Advantages

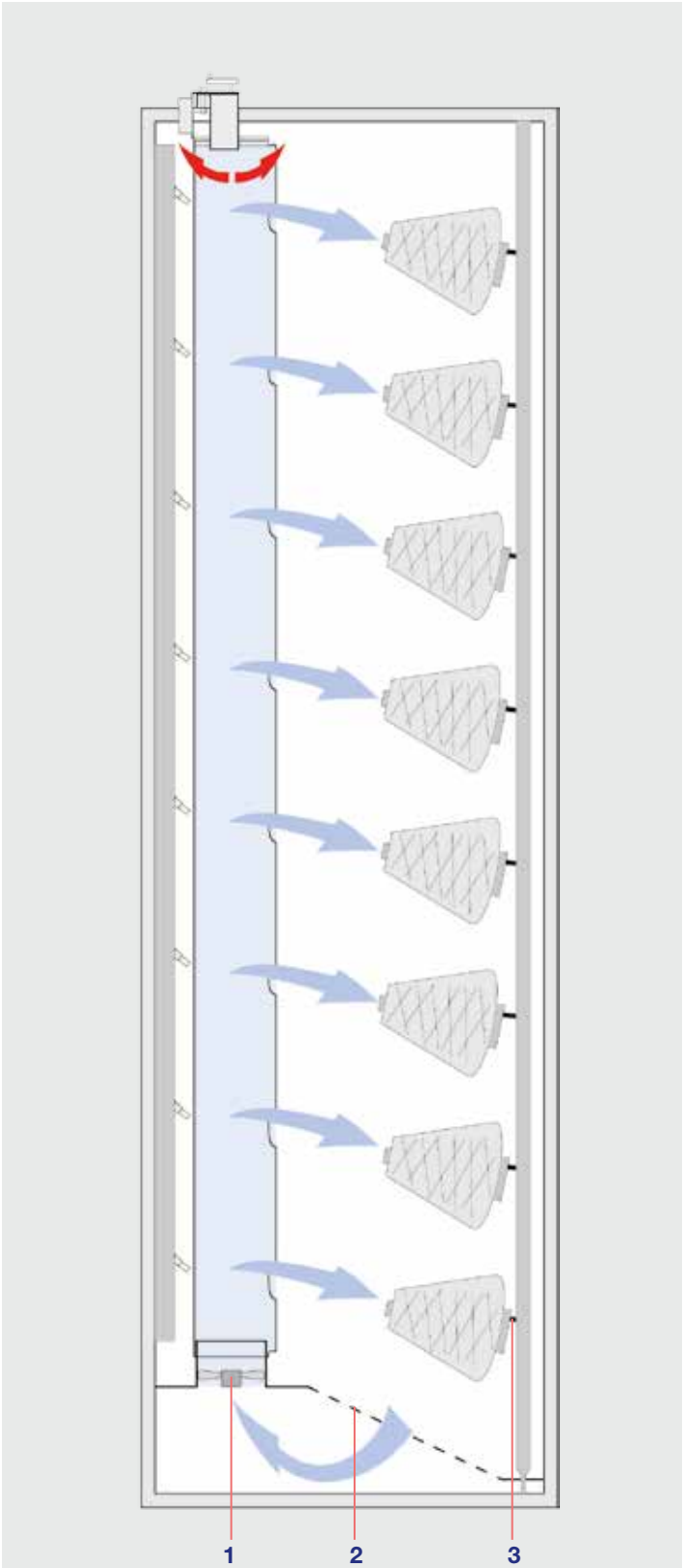
- Thirty percent less lint contamination in the knitting room
- Up to 10% increase in knitting machine output
- Less fibre fly and therefore less second quality fabric
- Fewer knitting faults
- Fluff and lint collected on removable, floor-mounted filter
- Cleaner knitting room air means longer intervals between cleaning operations
- Less contimination on yarn bobbins results in improved yarn feed
- Yarn bobbins are in an enclosure, preventing cross contamination from other machines
- Yarn protected by tubes running from the bobbins to the feeder
- Swinging bobbin holders provides for quick bobbin changeover

Components

1 Blower unit
Fans blow air through oscillating air jets onto the bobbins. This keeps the bobbins, the reserve bobbins and the knot ends free from fibre dust and lint.

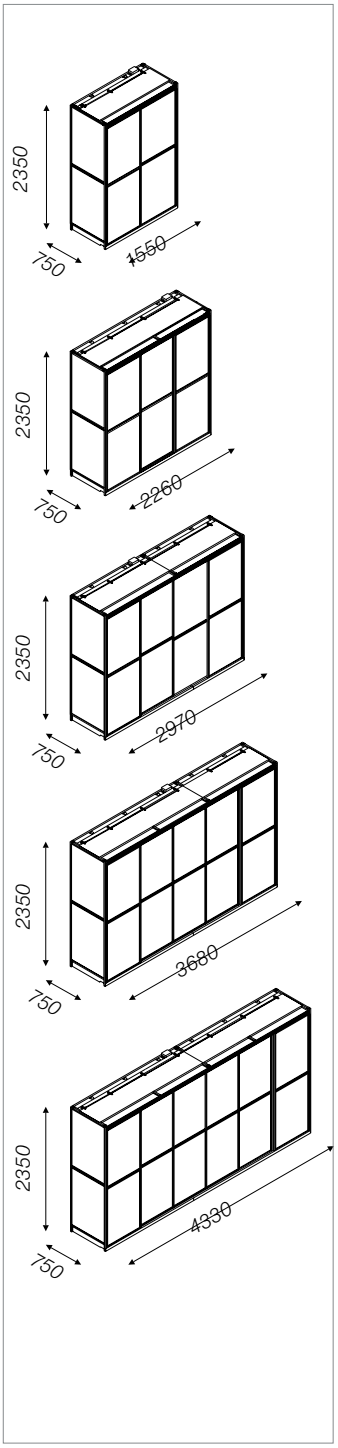
2 Filter unit
The fibre dust blown off the bobbins is collected by a filter unit on the floor of the FILTERCREEL 3. The filter is easy to remove for cleaning.

3 Swinging bobbin holders
These provides for quick bobbin changeover.



Yarn feed path
Yarn is not exposed and is fed through yarn feed tubes. These are available in plastic or aluminium versions.

Versions built with modular sections



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