

## PS6-W DIGICONE® *preciflex*™ precision package winder

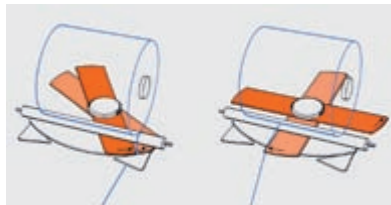
The PS6-W is a precision package winder for dye packages and rewinding operations. The PS6-W concept is for winding short-staple yarns. The process costs can be cut by approx. 20% with PS6-W precision cones. Other significant advantages are the improved reproducibility, fewer off-shade dyeings and finally the enhanced quality and improved image as dyer.

The decisive success factor of the PS6-W cone winder is its thread laying by means of counter-rotating blades, which has established itself as the thread laying system that is kindest to the yarn. Another important feature is the functional principle employing rotary motions exclusively. This enables an almost wear-free and low-cost operation.



### Basic machine

- Universal peg for supply packages
- Mechanical slub catcher
- Traverse system by counter-rotating blades



### Individual speed control

- Machine terminal MT-2 with
  - touch-screen display
  - central input of the winding parameters per machine or per spindle
  - storing of recipes

### Length measuring system

### Electronically controlled thread tensioner

### Empty tube rack

### Diameter measuring system

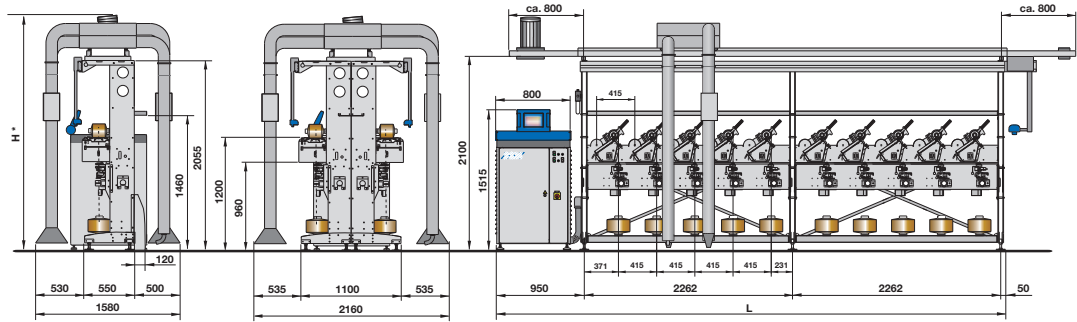
### Electronic yarn detector

### Options

- Overfeeding device
- Dry waxing device
- Travelling blower with suction system
- Conveyor belt
- Electronic yarn clearer
- Internal creel with 1 reserve
- digitens*™ winding tension control system (special execution; on request)



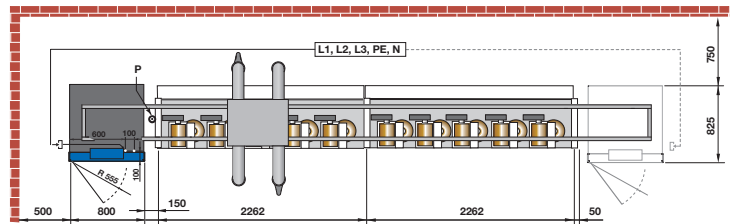
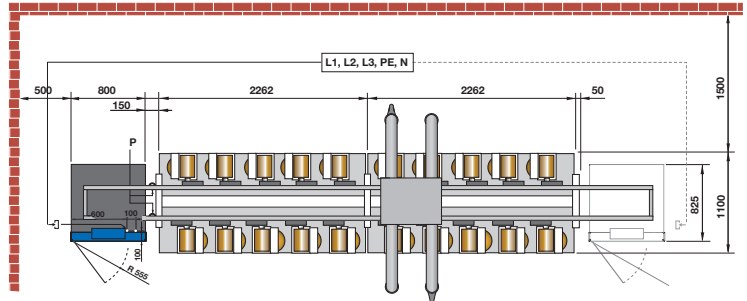
## Layout PS6-W



\* The height H depends on the type of travelling blower

double-sided

Number of spindles	10	20	30	40	50	60
Length [mm]	3262	5524	7786	10048	12310	14572



single-sided

Number of spindles	5	10	15	20	25	30	35	40	45	50	55	60
Length [mm]	3262	5524	7786	10048	12310	14572	16834	19096	21358	23620	25882	28144

## Weights net

Section	580 kg
Head stock	175 kg

## Technical data PS6-W

Types of winding	DIGICONE® or precision
Mechanical speed	up to 1200 m/min (process speed depending on process parameters)
Package shape	cylindrical or conical
Traverse length	130, 150, 160, 163, 166, 170, 175, 200, 207 mm
Take-up package diameter	up to 250 mm
Take-up package weight	up to 8 kg
Supply package diameter	up to 250 mm
Yarns	short staple yarns
Count	up to Ne 1.2 (up to Nm 2)
Take-up tubes	cylindrical or conical up to 4° 20' conicity max. length 230 mm, min. basic diameter 43 mm (smaller diam. upon request)
Inner diameter of take-up tubes	≥ 43 mm
Layout	single or double sided
N° of spindles per section	5
min. / max. N° of spindles	5 (single sided) and 2 x 5 (double sided) / 60 (single sided) and 2 x 30 (double sided)
Gauge	415 mm
Drive	individual
Installed power	~ 360 W per spindle
Power consumption	~ 200 W per spindle
Blower	~ 1100 W