



## DECOTEX IP

Yarn Infeed Meter: Guarantees uniform fabric quality on multifeed circular knitting machines

The DECOTEX IP is an electronic yarn infeed meter designed for the continuous measurement of yarn consumption on circular knitting machines with positive yarn feed. Where necessary it will activate the machine to stop. The meter will enable the precise reproduction various fabric types from all other same production machines. You can restart production of a discontinued product and ensure that the fabric quality remains the same as before. DECOTEX IP provides accurate information about a fabric quality and the exact data needed for costing and production calculations of the knitted fabric. It enables a quick and precise setting up of the knitting machines, and is also an invaluable quality control tool used to ensure the product quality remains constant.

Setup times are shorter, too because the meter displays the yarn infeed rates for all the belts at the same time. The yarn infeed meter is easy to use. Meter readings are very accurate. This means that you can guarantee your product quality and weight and thus avoiding any complaints.

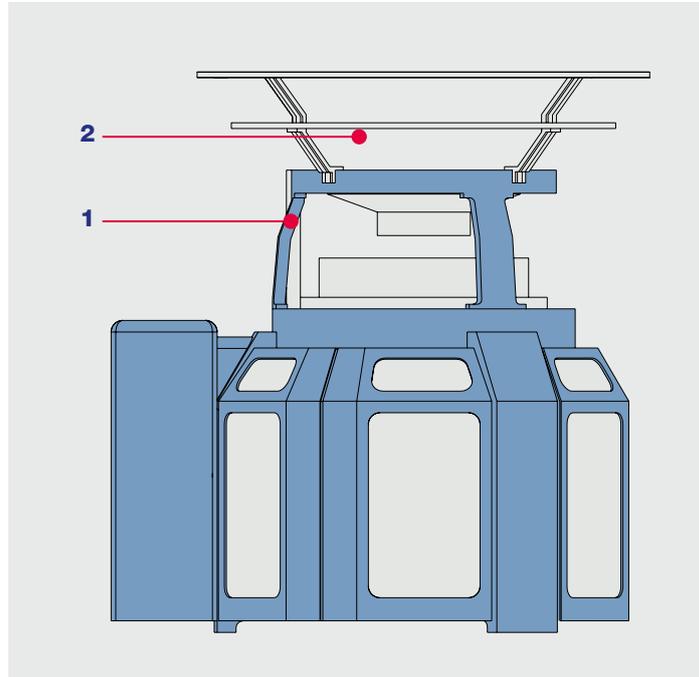
### Advantages

- Yarn infeed monitoring with stop function
- User settable yarn infeed tolerance (%) (in 1% steps from 1% to 9%)
- Enables reproduction of the stored fabric specifications to be easily achieved
- No yarn infeed length deviations and therefore no unwanted variations in quality
- Shorter setup times (yarn infeed rates for all belts displayed together)
- Yarn feed length rate per knitting machine revolution displayed as rate per 100 needles or rate per minute
- Accurate metering data makes calculations easier and quicker

## DECOTEX IP: components

### 1 Yarn infeed meter

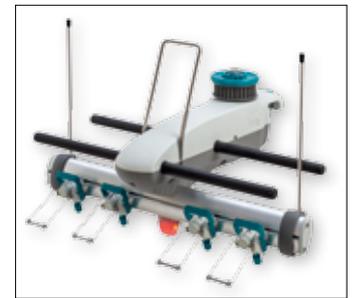
Used to enter all operating parameters. The display shows the yarn infeed rates for all belts at the same time.



### 2 MPF IP, MER IP and measuring roller tower IP

The MPF IP, MER IP and the measuring roller tower IP measure the belt speed by transmitting pulses per revolution to the meter.

On circular knitting machines fitted with feeders by other manufacturers, the belt speed is measured by the measuring roller tower IP.



#### Parameters displayed

- Yarn infeed rate, as metres or inches per revolution
- Yarn speed as metres or yards per minute
- Yarn infeed rate per 100 needles
- Measurements displayed in metric or imperial units

#### Yarn infeed rate monitoring

The DECOTEX IP has a yard infeed sensor which monitors the yarn feed rate per machine revolution. The maximum deviation value can be set in 1% steps from 1% to 9%.



### Technical Data

Power supply:	24 V AC/DC, 50-60 Hz
Voltage range:	19 – 33 V AC, 50 – 60 Hz
Max. power absorbed:	5 VA
Switchable contact:	NO/NC
Mains fuse:	Multifuse (short circuit protection)
Ambient temperature:	+ 10° to + 50° C

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

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