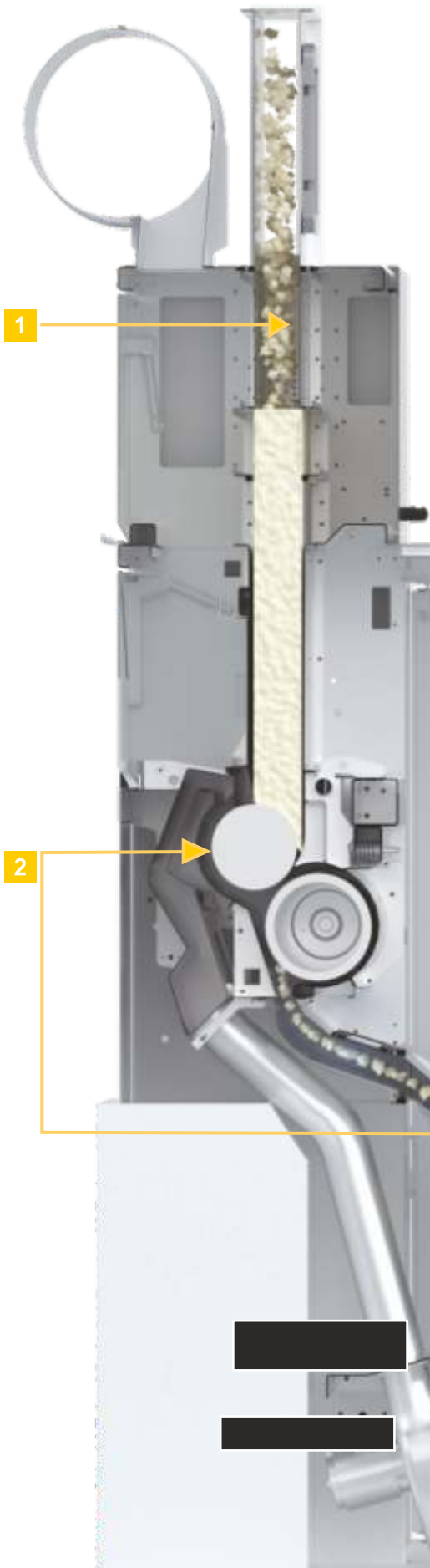


TC 12

- ✓ High quality and productivity through higher precision carding gap device (PFS 40)
- ✓ Up to 2% savings of good fibers with WCT
- ✓ New web take off for high reliability at higher speeds and for processing short fibers
- ✓ Easy and intuitive operation through state-of-the-art SMART TOUCH and T-LED
- ✓ Solution for recycling applications: Effective, but gentle opening and cleaning through new WEBFEED design.
- ✓ Highest can capacity with T-MOVE 2: Up to 15 % more sliver content due to new filling function



TC 12: Key



1 PMS Knife Setting System



2 CLASSIC TOP Flat Top System

2.84m
Carding length

features at one glance



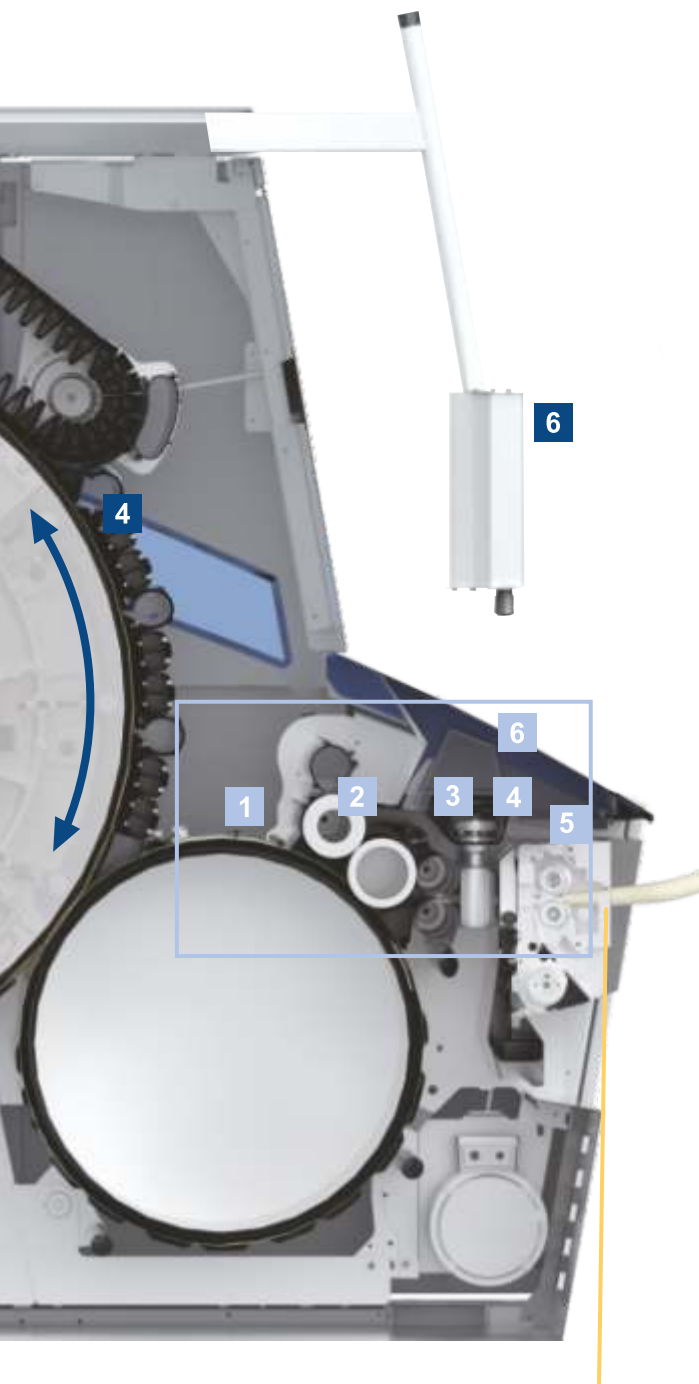
3 PFS 40 Flat Setting System



4 Multi Webclean



5 T-CON: Standard Setting Optimizer

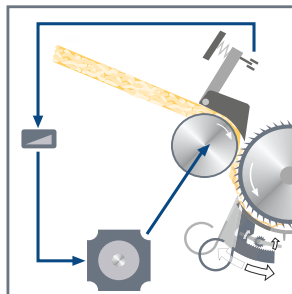


New web doffing unit

- 1 Suction hood
- 2 Cleaning brush with synthetic bristles
- 3 Transversal belt system: SPEED BELT
- 4 Piecing device (semi-automatic)
- 5 Count control DISK MONITOR
- 6 Fully integrated and compact design

4 Levelling systems

- 1 Continuous card feeding levelling
- 2 Lower trunk feeding levelling
- 3 Short-wave levelling



- 4 Long-wave levelling



6 Computer Control With Touch Screen



CV Data



Spectrogram



Draft Deviation



Thick Spots



CCL (standard)



T-MOVE 2 (option)



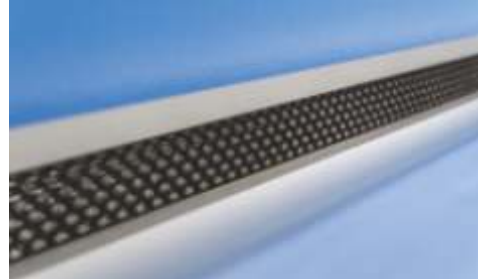
CCA (option)

What is New in TC 12

compared with TC 10



PFS 40



Cleaning brush with synthetic bristles



TC-TS: Transversal belt system



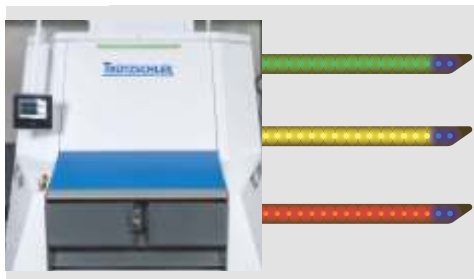
Semi-automatic pneumatic piecing aid



TC-DM: Count control



CCL: Linear can changer for 1,000 mm



T-LED: More overview in the carding dept.



Clothing management app "My Wires"



T-MOVE 2: Can filling station for 1,000 mm and 1,200 mm cans (option)



WCT: WASTECONTROL (option)

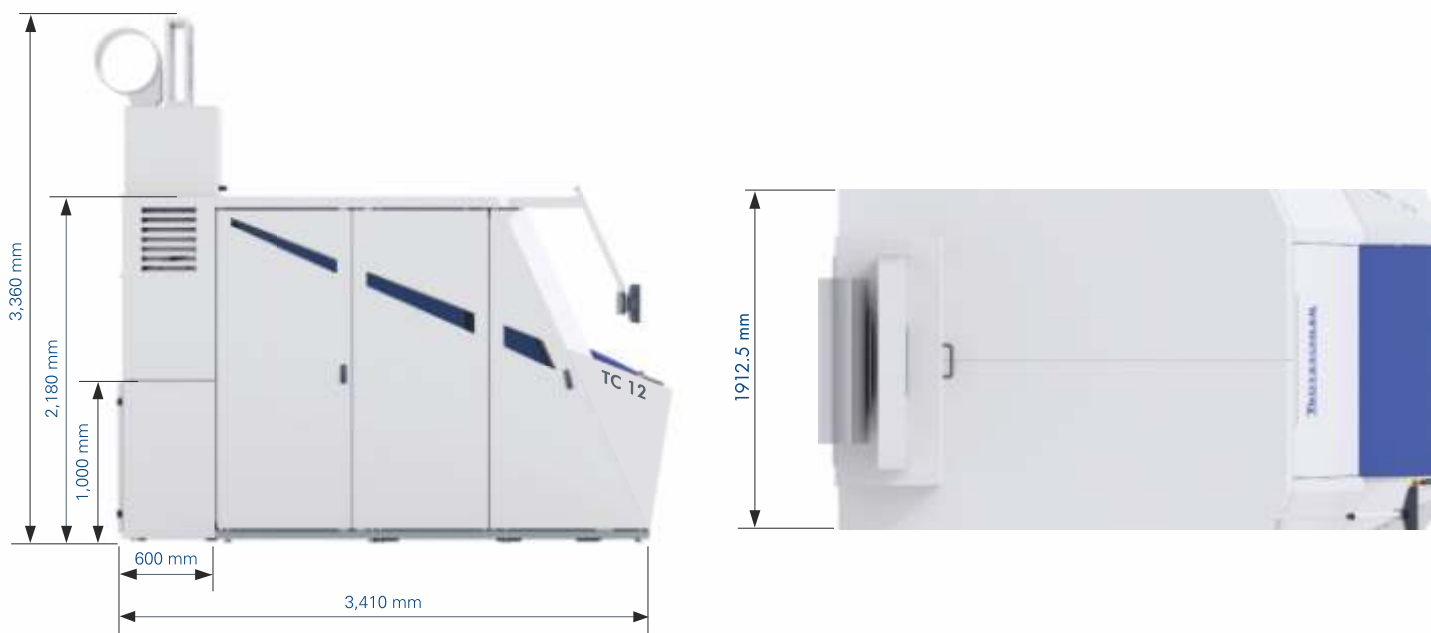
Equipments

| Equipment and options | Universal | Fine Yarn Count | Synthetic/MMF | Recycling |
|---|-----------|-----------------|---------------|-----------|
| Manual flat setting (range 40/1000") PFS | S | S | S | S |
| Standard settings optimizer T-CON | S | S | S | S |
| CLASSICTOP Flat Tops | S | S | S | S |
| Clothing management app "My Wires" | S | S | S | S |
| Ethernet connection | S | S | S | S |
| SMART TOUCH | S | S | S | S |
| T-LED remote display | S | S | S | S |
| WEBFEED system with 3 licker-ins | S | - | - | S |
| WEBFEED system with 1 licker-in | - | S | S | O |
| Saw tooth licker-in | S | S | S | S |
| Needle licker-in | O | - | O | - |
| Manmade Fibre Set | O | O | S | S |
| Recycling profiles and blades | - | - | - | S |
| Doffer suction hood | S | S | S | S |
| Linear can changer CCL, 1,000 mm cans | S | S | S | S |
| Monitored continuous central suction above/under floor | S | S | S | S |
| Tuft Feeder DIRECTFEED with moveable feed tray | S | S | S | S |
| Integral tray SENSOFEEED+ | S | S | S | S |
| Thick spot monitoring and metal detection in feeding | S | S | S | S |
| Tooth belt guided aluminium flat bars | S | S | S | S |
| Infinitely variable flat speed | S | S | S | S |
| Premium clothings made by Truetzschler Card Clothing TCC | S | S | S | S |
| Quality data monitoring | S | S | S | S |
| Spectrogram analysis | S | S | S | S |
| Quality and maintenance management | S | S | S | S |
| Pneumatic piecing aid | S | S | S | S |
| Electronic cylinder brake | S | S | S | S |
| Coordinated levelling systems, long-wave and short-wave | S | S | S | S |
| Central safety locking system | S | S | S | S |
| WASTECONTROL System With Motorised Precision Blade Adjustment System | O | O | - | - |
| MAGNOTOP system | O | O | O | O |
| Energy Measuring Device | O | O | O | O |
| Connection of spinning mill monitoring system "My Mill" and production monitoring app "My Production" | O | O | O | O |
| Can filling station T-MOVE 2 for 1,200 mm cans | O | O | O | O |
| Automatic can changer CCA for 600 mm cans | O | O | O | O |
| Integrated draw frame for round cans IDF 2 | O | - | O | O |
| Infinitely variable speed control of main cylinder and WEBFEED TC-VSD | O | O | O | O |
| Flat Grinding Device TC-FG | O | O | O | O |
| Grinding device for main cylinder and doffer TC-GD | O | O | O | O |
| Clothing fitting and unwinding device TC-ME | O | O | O | O |
| Separate strips suction above or under floor | O | O | O | O |

* S : Standard

* O : Optional

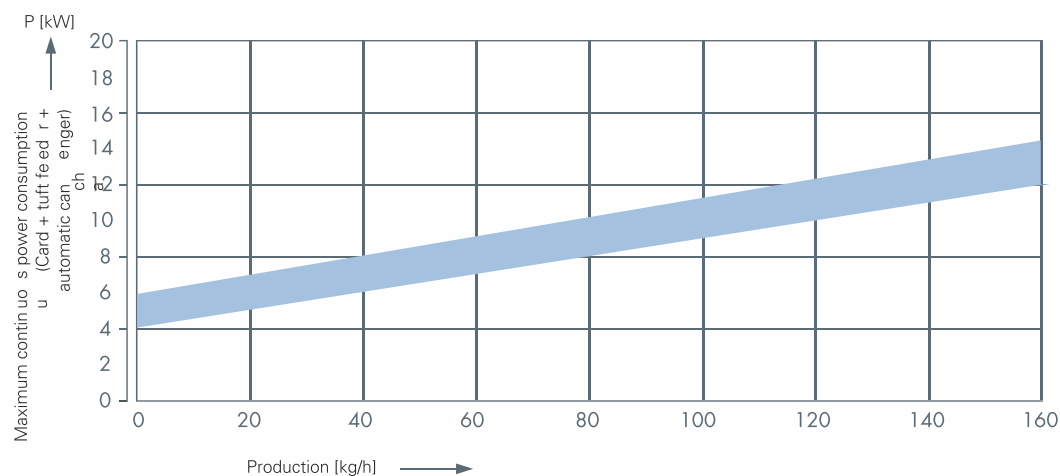
Technical data



TC 12

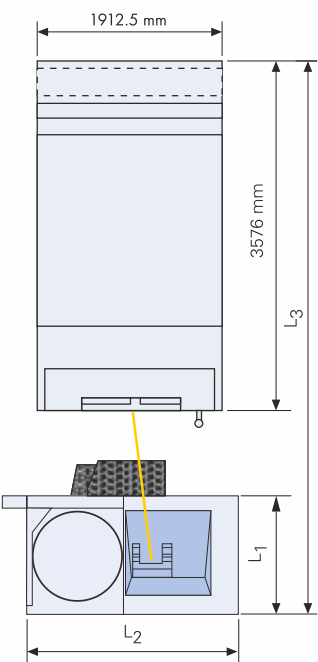
| | | |
|---------------------------------------|---|--|
| Floor load: | 21000N/m2 | |
| Max. surface pressure per base plate: | 47.4 N/cm2 | |
| Production: | max. 150 kg/h | |
| Suction (continuous): | 3700 m3/h +5% (-640Pa) | |
| Net weight: | Approx. 4870 Kg incl.DFK | |
| Sound pressure level: | 67 dB(A) at 100 m/min 78 dB(A) at 500 m/min 73 dB(A) at 250 m/min | |
| Compressed air consumption: | 250 NL/h | |

Power consumption:

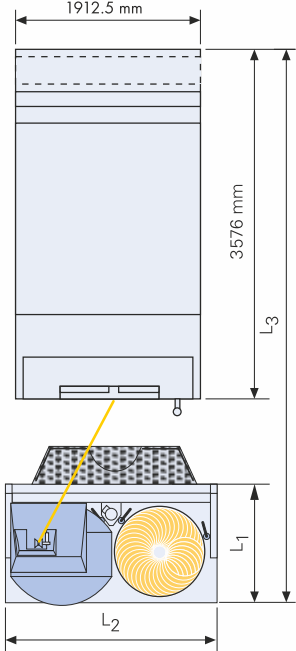


Apart from production output, the values for current consumption depend also on the various settings and the material.

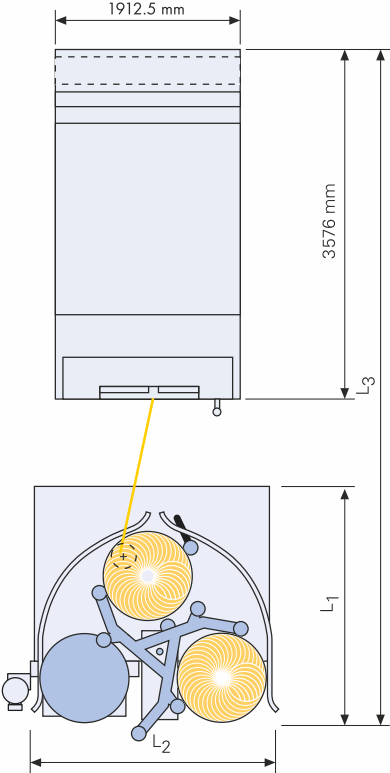
Linear can changer



Can filling station



Rotary can changer



CCL: Linear can changer

With the constant delivery speed up to 300 m/min the linear can changer CCL has high efficiency with no speed reduction and no quality loss. It is a space-saving variant for 1000 mm cans which fits even at minimal card centre distance. Here cans up to 1500 mm height can be used as well.

T-MOVE 2: Can filling station

With the moving head, T-MOVE 2 allows the sliver feed movable when the cans keep stationary without reducing the delivery speed of cards. The slivers are subject to less pressure due to the optimized T-MOVE 2 coiling geometry. T-MOVE 2 save space with 1200 mm cans in the smallest space.

CCA: Rotary can changer

The rotary can changer is available for cans with diameters of 600, 900 and 1000 mm. The can height can be up to max. 1500 mm. This type of changer is particularly suitable for automatic can transport. The positions for full and empty cans are exactly defined.

| | Ø Cans mm | L1 ¹⁾ mm | L2 mm | L3 ²⁾ mm | Height (under floor) | Height (above floor) | Can height mm |
|---|--------------|------------------------|----------|------------------------|-------------------------|-------------------------|--------------------|
| CCL Linear Can Changer | 900 1000 | 1365 | 2340 | 5995 | 1714 – 2139 | 1794 – 2219 | 1075 |
| | | | | | | | 1100 |
| | | | | | | | 1200 |
| | | | | | | | 1225 |
| | | | | | | | 1300 |
| T-MOVE 2 Can Filling Station | 1000 | 1420 | 2400 | 6175 | 1540 | 1600 | 1200 |
| | 1200 | 1620 | 2800 | 6375 | | | |
| CCA Rotary Can Changer | 600 | 1715 | 1930 | 5455 – 6345 | 1345 – 1970 | 1435 – 2060 | up to max. 1500 |
| | 1000 | 2350 | 2750 | 6090 – 6980 | | | |

¹⁾ Without can delivery ramps

²⁾ Depending on width of service aisle between card and can changer (under floor)