

**SAURER.**  
Zinser

## **ZINSERRING 72.** DRIVING GROWTH.

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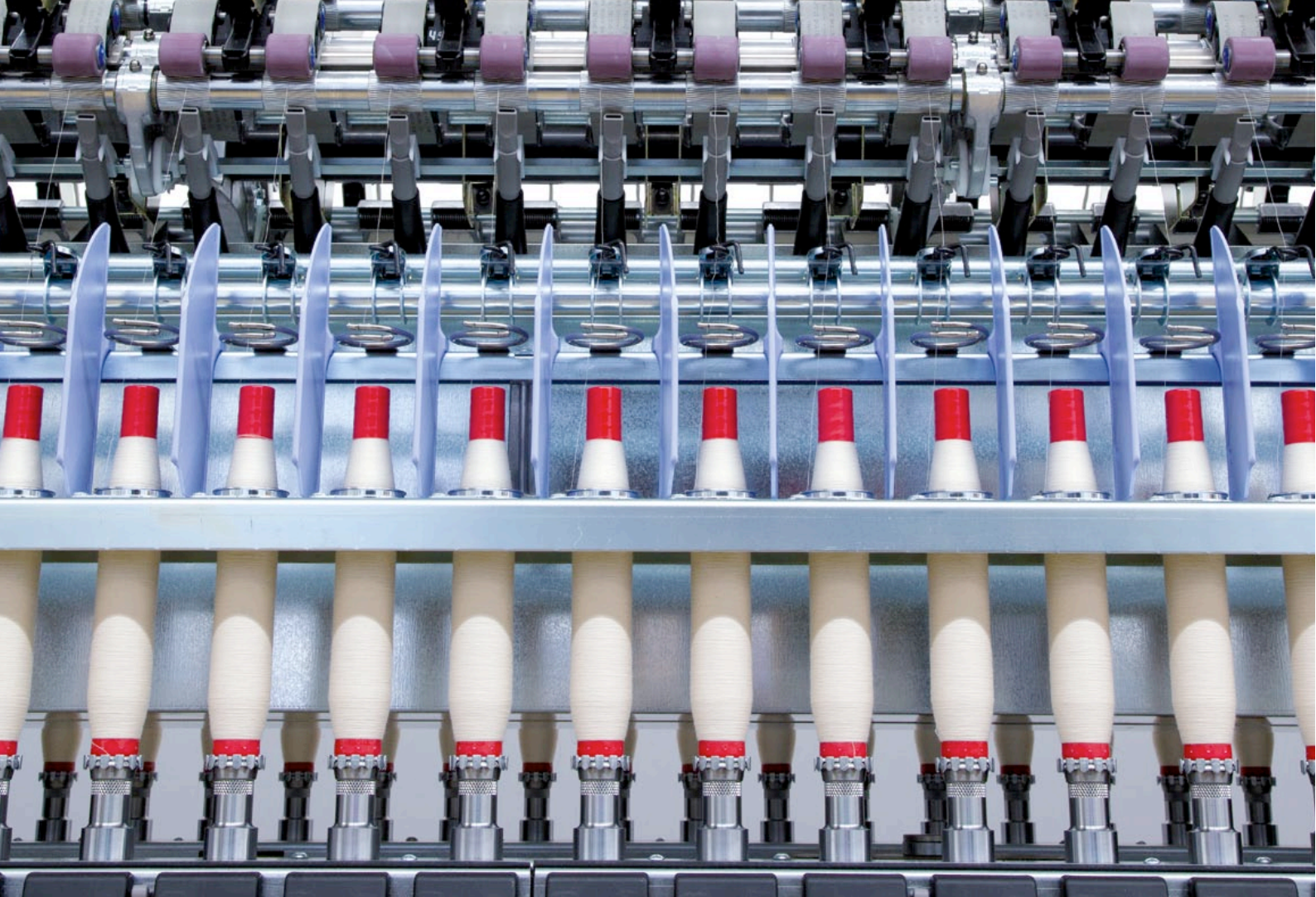




**What does progress mean today in ring spinning technology? And what is the best equipment for companies that want to grow?**

It is best to enhance decades of experience and recognised reliability with new features. With more length, more savings, more profitability.

Experience the new ZinserRing 72.



Designed in Germany for risk-free growth.  
Powerful, reliable and economical.

The new ring spinning machine from  
Schlafhorst with up to 1,920 highly  
productive spindles attaining high spindle  
speeds of up to 25,000 rpm. For standard,  
fancy and spin-twisted yarns of nearly all  
counts.



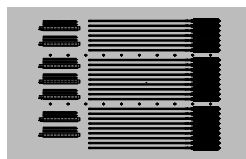
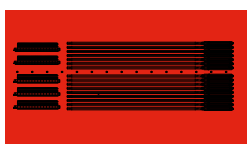
# 1,920

1,920 instances of unsurpassed reliability. The most efficient ring spinning technology is now available on up to 1,920 spindles.

Compared with a ring spinning installation with 30,000 spindles (roving frames, ring spinning machines, winding machines) and ring spinning machines with 1,200 spindles, the space required is reduced by 12 % and production costs by a further 9 %.

Make maximum use of your square metres, for greater production per sqm.

**ZinserRing 72 with 1,920 spindles:  
up to 12 % less space required**



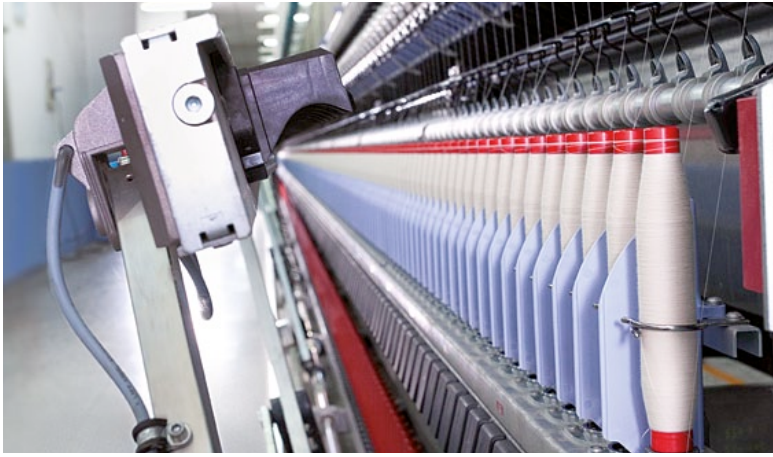
■ 18 ring spinning machines with 1,920 spindles, 5 roving frames, 16 winding machines  
■ 25 ring spinning machines with 1,200 spindles, 7 roving frames, 25 winding machines

# 55%

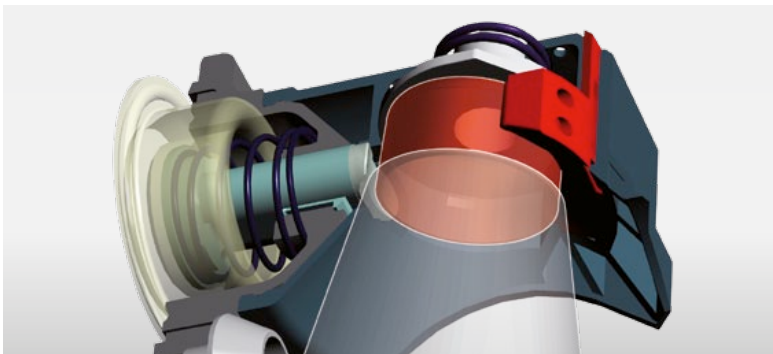
Only 55 % of the energy is needed by the new both-sided suction system in combination with OptiSuction, the intelligent sensor-monitored yarn break suction system.

Its vacuum control always supplies the precise amount of vacuum needed, independently of the fill level in the filter box for fibres.

The settings can be configured conveniently on the EasySpin touchscreen. You produce economically and reliably as a result because the vacuum is always optimally adjusted to the raw material and the yarn count.

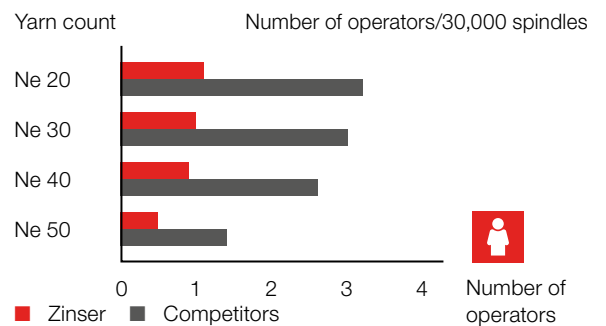


High-precision technology and independent vacuum system – almost no start-up yarn breaks, no machine stops



Safety membrane prevents doffer stops

### Up to 66 % savings on personnel with CoWeFeed



# 18,800,000

Over 18,800,000 precise gripper actions in all per year: the safety grippers on the original CoWeMat make a significant contribution with unsurpassed reliability. With its secure access the CoWeMat ensures reliable, uninterrupted doffing for maximum productivity. At 1,920 spindles, shift after shift, year after year.

The CoWeMat is the result of decades of development work by Zinser. Safety is a top priority for Zinser. Because interruptions cost money.

The original CoWeMat offers 6-fold security.

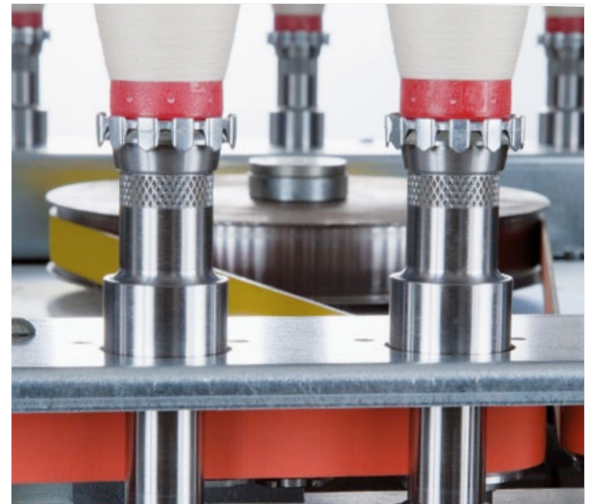
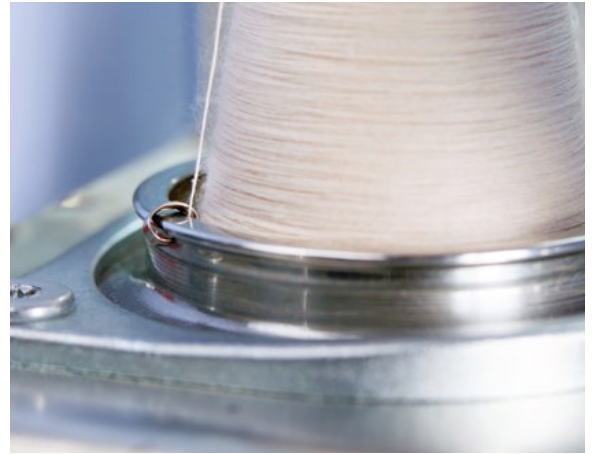
- Safety membrane in the gripper prevents doffer stops
- Independent vacuum system for greater process reliability
- Laser light barrier for monitoring automatic doffing
- BobbinTray belt system for accurate conveying without readjustment
- Secure cutting of coarse and high-tenacity yarns
- Highly precise start-up for minimal yarn break rates

# – 66%

Save up to 66 % on personnel in the provision of empty tubes with the CoWeFeed unsorted tube feeding.

The empty tubes are simply dumped into the feeding container – sorting is not required. No matter how the tubes are situated, CoWeFeed finishes the processing automatically and trouble-free.

Even with 1,920 spindles, removing the bobbins and feeding the empty tubes is rapidly carried out between two doffs – for maximum productivity.



# 160,000<sub>kg</sub>

A single ZinserRing 72 machine with 1,920 spindles spins up to 160,000 kg of yarn of count Ne 60 per year with the well-known reliability of a Zinser ring spinning machine.

The central machine control system EasySpin ensures a constant, reproducible yarn quality. The software set-up on the touchscreen is particularly user-friendly. All lot data are entered centrally and can be transferred to other machines in a flash.

The possibilities for producing a wide variety of yarns on the ZinserRing 72 are endless. With the integrated fancy yarn device FancyDraft, high-quality fancy yarns can be designed quickly and easily. Each design is spun automatically devoid of moiré and with a constant fancy quality thanks to sensor-controlled drive technology.

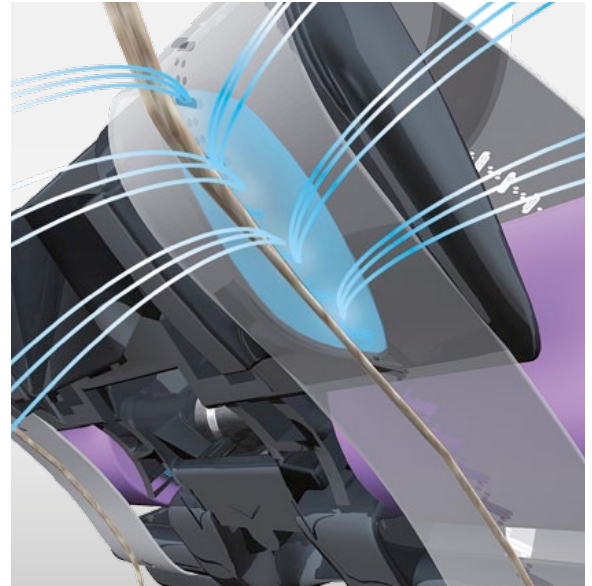
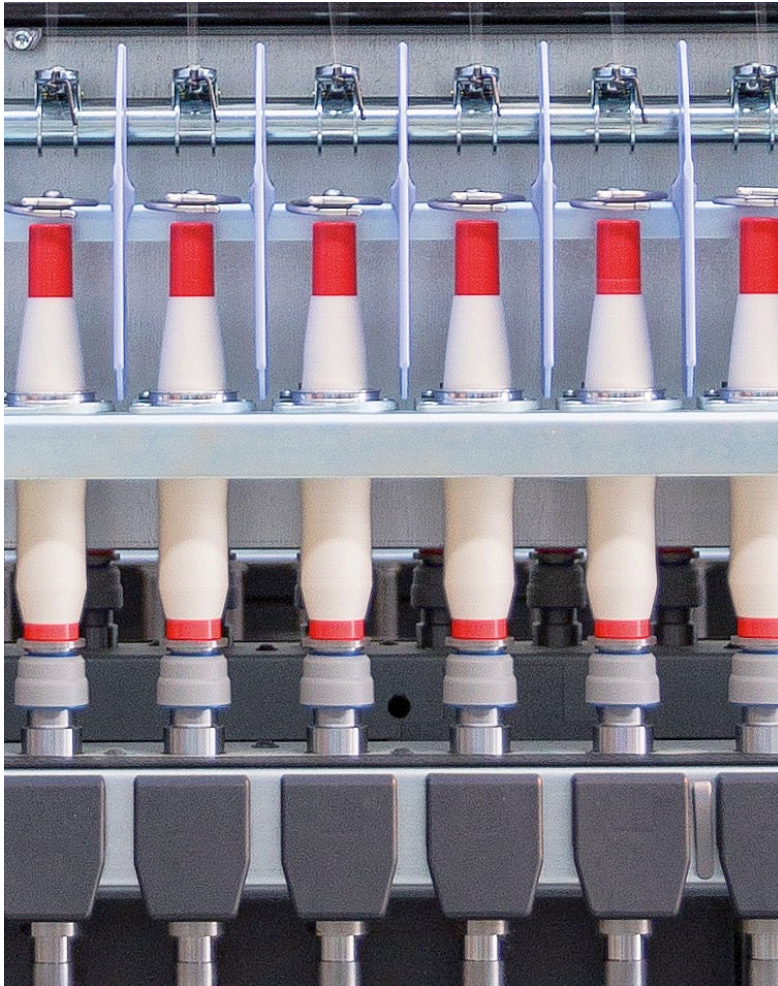
For a return on investment that can be calculated securely.

# 25,000<sub>rpm</sub>

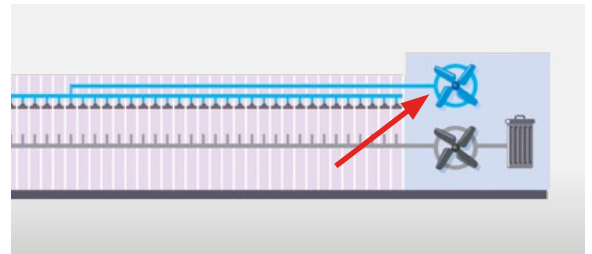
Up to 25,000 rpm at all 1,920 spindles round the clock in continuous operation – that's your recipe for success!

High-speed and reliable – the ZinserRing 72 is a highly profitable marathon machine. For record-breaking productivity, guaranteed quality and calculable profits.

At high delivery speeds, the ZinserRing 72 offers you more yarn every day, shift for shift, than other ring spinning machines. Maximum speed without risk. Thanks to centerable rings, high-speed spindles, the high-speed OptiStep spinning software and the multi-motor single-tangential belt drive, the ZinserRing 72 produces perfect bobbins at high speed with additional yarn and optimal unwinding properties in package winding.



Cleaning effect at deflection points eliminates clogging



Independent vacuum unit for constant compact power

# 100%

100 % improvement in process reliability thanks to sophisticated details like the Zero Underwinding concept. Underwound yarn ends are prevented. Additional cleaning cycles are unnecessary. Wharve cleaning is not required.

The clever design delivers sufficient clamping force every time, ensuring reliable clamping of the yarn ends. Easy handling, precise, long-lasting functionality and failsafe yarn cutting increase efficiency and your productivity.



# 100%

100 % compact quality – with the ZinserImpact 72 on 1,728 spindles with no loss of compact power and no cleaning cycles.

The market share of compact yarns is constantly growing. Increase your competitive advantage with the Zinser compact system, the world's most efficient compact technology:

- automatically self-cleaning
- equipped with its own regulated vacuum unit
- variably adjustable in its compact characteristics.

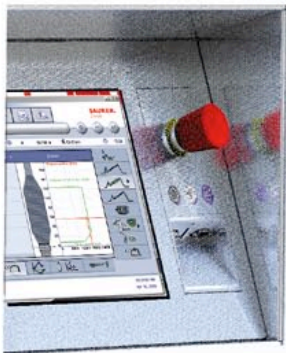
While in other systems subtle clogging of the compact module often requires considerable supervision and maintenance input, the Zinser compact unit guarantees reliable, ideal compact quality without additional personnel.





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**Ring 72**







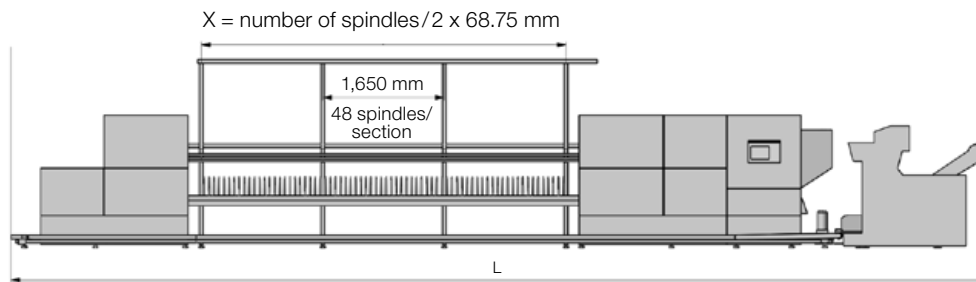
# Zinser Ring 72

## Driving growth



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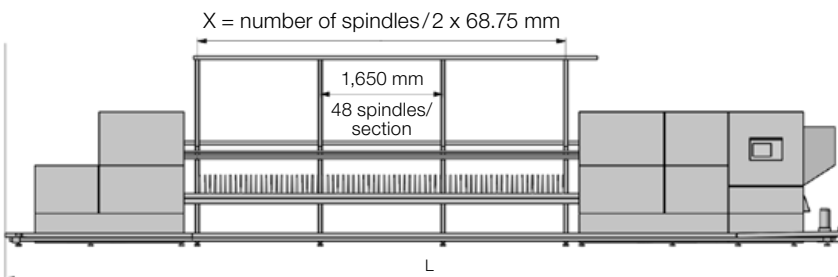
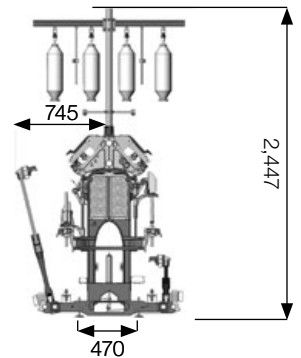
# Technical data ZinserRing 72



ZinserRing 72 with CoWeMat 396 F, with CoWeFeed

up to 1,920 spindles  
Machine length L (mm)

$$L = 8,291 + X$$



ZinserRing 72 with CoWeMat 396 V, linked system

up to 1,920 spindles  
Machine length L (mm)

$$L = 6,345 + X$$

## Application range

Staple fibres up to 54 mm

## Raw material qualities

Combed cotton, carded cotton,  
manmade fibres and their blends

## Count range

Ne 18 – 120

## Draft range

15 – 85 fold

## Spindle gauge

68.75 mm

## Tube length

180 – 230 mm

## Ring diameter

36 – 45 mm

## Number of spindles

1,248 – 1,920

## Spindle speed

25,000 rpm (mechanical)

## Bottom roll diameter

27 – 30.5 – 27 [mm]

## Top roll diameter

28 – 25 – 28 [mm]

## Electrical parameters

400 V (+15 %)

50 or 60 Hz

## Basic equipment

### High-performance functions – series specification ZinserRing 72

- EasySpin – graphic user interface
- OptiStart – running-in programme for ring travellers
- OptiStep – spinning programme
- SynchroDraft
- ServoDraft – electronic drafting system drive
- CoWeMat – doffing device
- Balloon control rings
- Inverter drive
- Centerable rings
- Individual knee brakes for spindles
- Loop prevention function
- Automatic yarn guide tilting mechanism

## Options

- OptiSuction – yarn break suction system
- FancyDraft
- SiroSpun
- Zero Underwinding
- Plant Control System
- Stand-alone version with CoWeFeed (unsorted tube feeding)
- Link version – Interface to winding machines

## About this brochure

Research and development never stand still. This may mean that some statements are rendered obsolete by technical progress. The illustrations have been selected for information purposes only. They may show special equipment which is not included in the standard scope of supply.

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