

**ZINSERIMPACT 72.**  
DRIVING GROWTH.

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

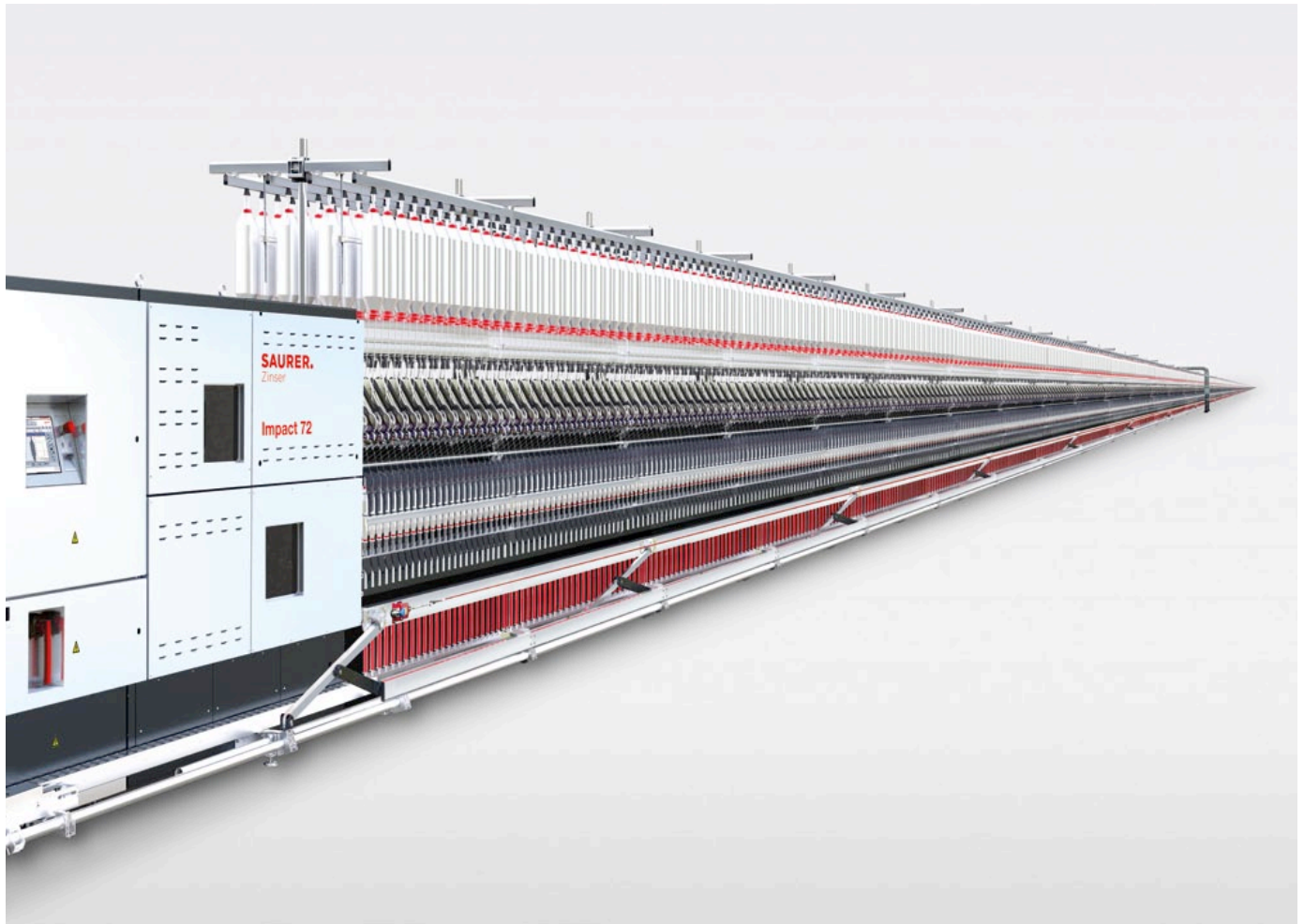
It is best to enhance decades of  
experience and recognised reliability  
with new features. With more length,  
more savings, more profitability.

Experience the new ZinserImpact 72.



Designed in Germany for risk-free growth.  
Powerful, reliable and economical due  
to self-cleaning compact spinning  
technology.

The new compact spinning machine  
made by Schlafhorst combines the most  
productive compact system in the world  
with record-breaking productivity on 1,728  
spinning positions. For compact yarns of  
perfect quality.



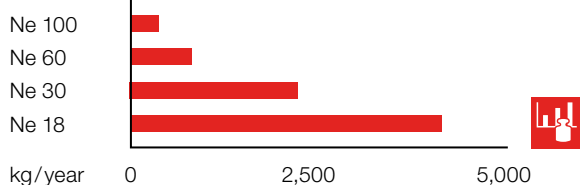
# 1,728

1,728 instances of unsurpassed reliability. The most efficient compact spinning technology is now available on up to 1,728 spindles.

Achieve added production of up to 4,100 kg per year with the self-cleaning compact spinning technology – dependent on the yarn count – solely due to the omission of cleaning intervals. No personnel are needed to check the compact unit and production is not interrupted by cleaning intervals.

## Up to 4,100 kg more production due to the self-cleaning technology

Yarn counts



kg/year 0 2,500 5,000

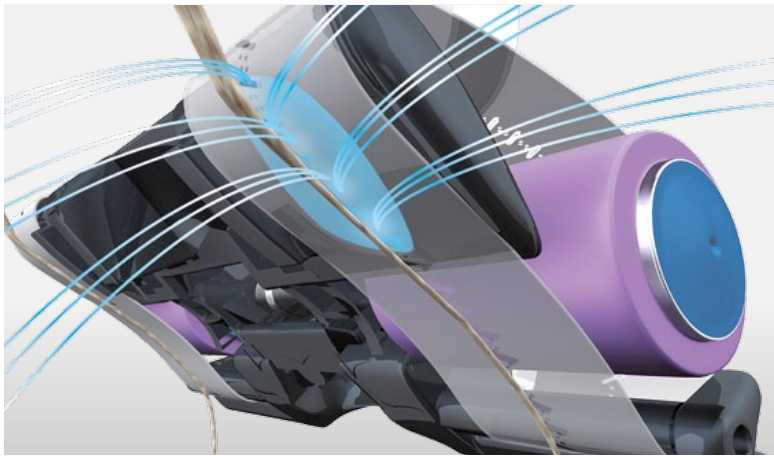
with 1,728 spindles/machine

# 55%

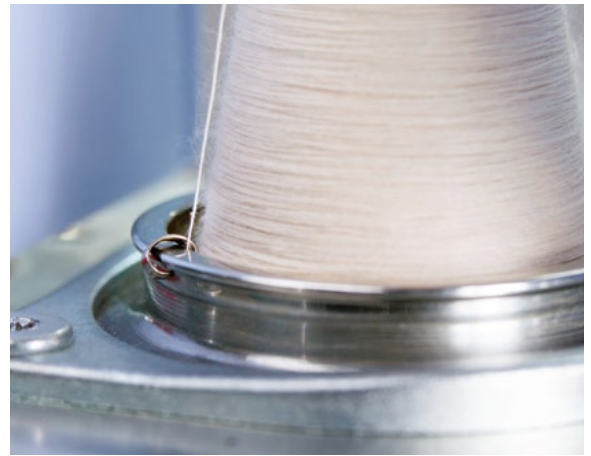
Only 55 % of the energy is needed by the new both-sided suction system in combination with OptiSuction, the intelligent sensor-monitored yarn break suction system.

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

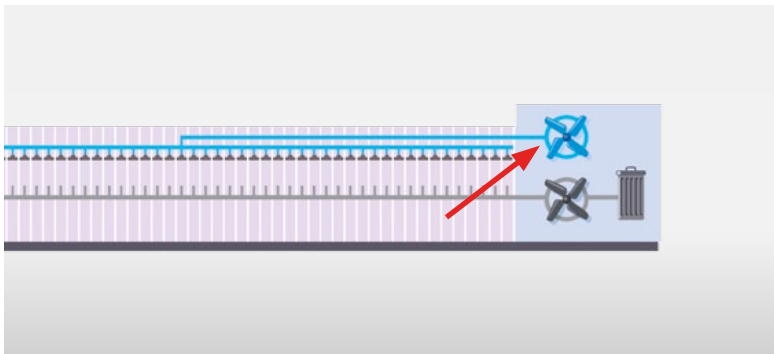
The settings can be configured conveniently on the EasySpin touchscreen. You produce economically and reliably as a result because the vacuum is always optimally adjusted to the raw material and the yarn count.



Straight air duct prevents swirling and dirt deposits



Centerable rings for stable running behaviour



Independent vacuum unit for constant compact power



Maintenance-free tangential belt

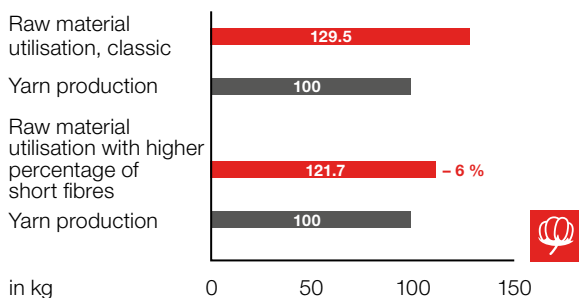
# 100%

**No loss of compact power. The Zinser compact spinning system cleans itself.**

The air supply systems cannot block up as in drum systems. The compact unit is independent of the yarn break suction system with an autonomously controlled vacuum unit. The compact power remains 100 % permanently available. Your quality and productivity remains at peak level at all times.

Save up to 6 % raw materials! Depending on the system, ZinserImpact 72 is able to process short fibres extremely well. Even cotton qualities with a higher short fibre component give good yarn values – with significant raw material savings.

**6 % raw material saving with same yarn quality through higher percentage of short fibres**

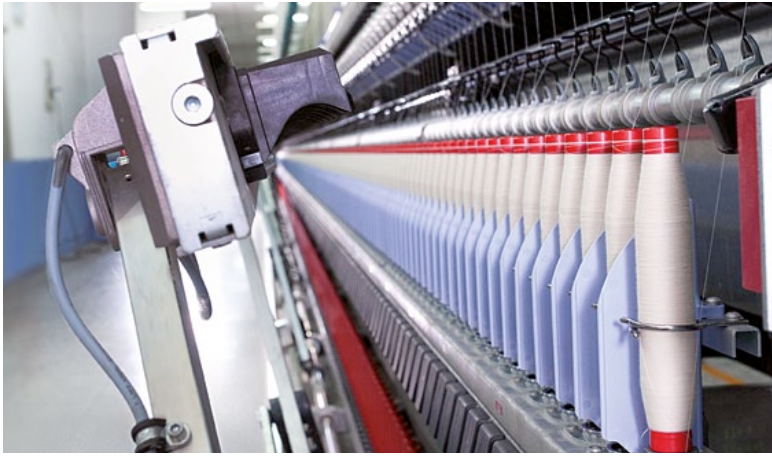


# 25,000 rpm

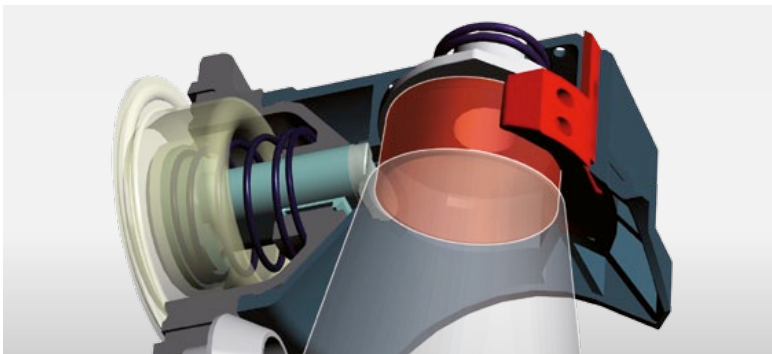
**Up to 25,000 rpm at all 1,728 spindles round the clock in continuous operation – that's your recipe for success!**

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

At high delivery speeds, the ZinserImpact 72 offers you more yarn every day, shift for shift, than other compact 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 ZinserImpact 72 produces perfect bobbins at high speed with additional yarn and optimal unwinding properties in package winding.

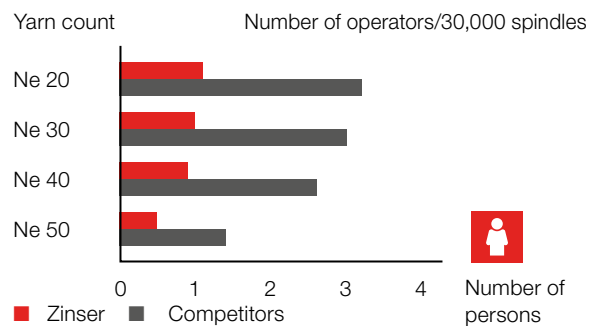


High-precision technology and independent vacuum system – almost no start-up yarn breaks, no machine stops



Safety membrane prevents doffer stops

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



# 17,000,000

Over 17,000,000 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 1,728 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 1,728 spindles, removing the bobbins and feeding the empty tubes is rapidly carried out between two doffs – for maximum productivity.



# 158,000<sub>kg</sub>

A single ZinserImpact 72 machine with 1,728 spindles spins up to 158,000 kg of yarn of count Ne 60 per year with the well-known reliability of a Zinser compact 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 ZinserImpact 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.

# 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.

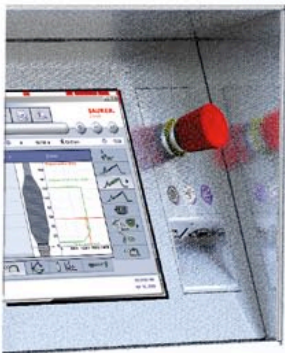






**SAURER.**  
Zinser

**Impact 72**







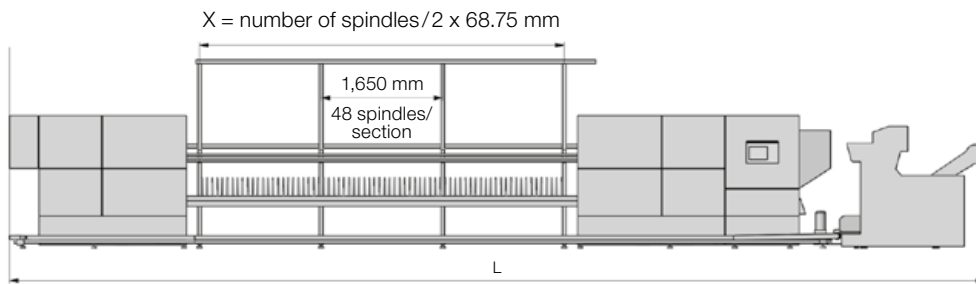
# Zinser Impact 72

## Driving growth



**SAURER.**  
Zinser

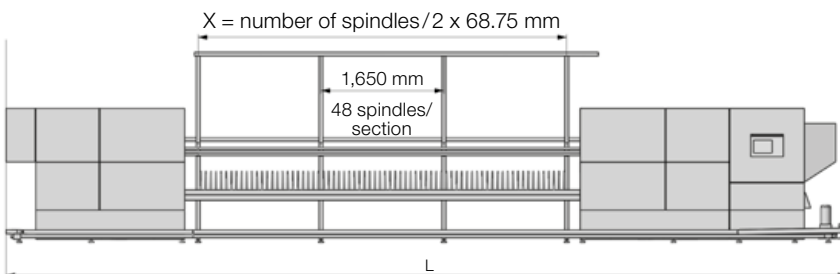
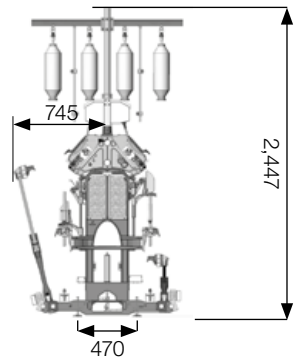
# Technical data ZinserImpact 72



ZinserImpact 72 with CoWeMat 396 F, with CoWeFeed

up to 1,728 spindles  
Machine length L (mm)

$$L = 8,291 + X$$



ZinserImpact 72 with CoWeMat 396 V, linked system

up to 1,728 spindles  
Machine length L (mm)

$$L = 6,345 + X$$

## Application range

Staple fibres up to 45 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 – 1,728

## Spindle speed

25,000 rpm (mechanical)

## Bottom roll diameter

27 – 30.5 – 27 – 27 [mm]

## Top roll diameter

28 – 25 – 28 – 26 [mm]

## Electrical parameters

400 V (+15 %)

50 or 60 Hz

## Basic equipment

### High-performance functions – series specification ZinserImpact 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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