



Performance Optimization Services

Boosting Spinning Mill Performance

Customer Values:

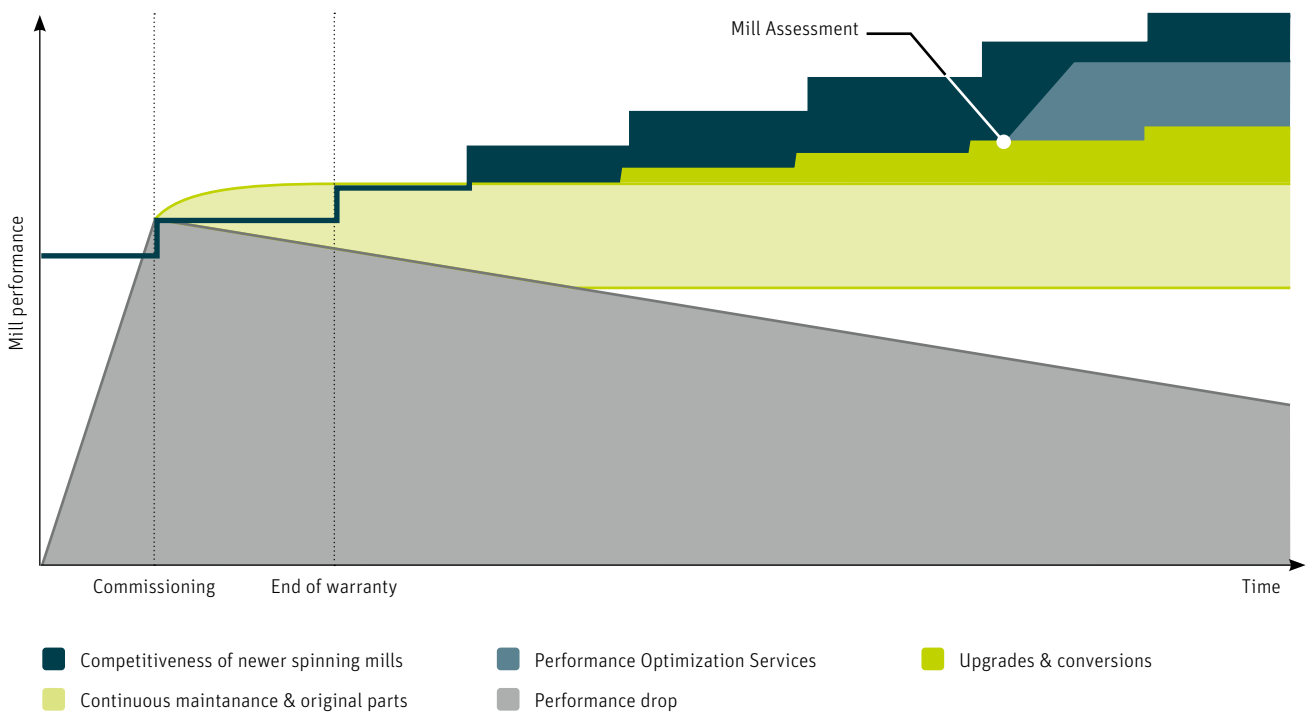
- Revenue generation
- Productivity boost
- Uncompromising quality

Productivity boost

Over the years, productivity and output quality of machines tend to drop. Through performance optimization services, Rieter suggests ways to bring back original equipment to its initial quality and performance levels or even beyond.

Uncompromising quality

Productivity and quality are closely linked. Thanks to performance optimization services, Rieter does not only improve productivity, it also succeeds in improving and sustaining quality.



Revenue generation

The cost split within a typical spinning mill is well-known and in order to generate more profit, Rieter focuses on key costs such as raw material utilization or energy costs while maintaining, if not improving, the quality of the yarn.

Unleashing full potential

The lack of skilled labor within the textile industry is becoming critical. The wide range of performance optimization services, from know-how transfer to automation modernization, tackles this challenge and develops the full potential of people and machines.

A World of Success

Spreading high performance throughout the world



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Challenge After several years of operation, the spinning mill experienced lower performance as usual. The customer contacted Rieter to optimize the efficiency of the mill.

Benefits:

- 4% raw material savings for cotton and 2% for specialty fibers
- 6% productivity increase
- Return on investment below 18 months



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Challenge: Achieving maximum productivity and quality with 15-year old spinning machines can be challenging. The customer asked Rieter for support in getting the most out of its mill.

Benefits:

- Reduction of waste by 1%
- Production increased by 12%
- IPI levels reduced by up to 50%



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Challenge: Looking for ways to take its spinning mill to the next level, a customer has found in Rieter a partner to help achieve its goal.

Benefits:

- Enhancement of productivity by 9%
- Reduction of noil up to 1%
- Raw material saving by up to 2%



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Challenge: To stay ahead of competition, a customer asked Rieter to increase the productivity of its mill with the same or better yarn quality.

Benefits:

- 10% productivity increase
- 30% thread breaks reduction
- Return on investment below one year



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Challenge: To answer the strong demand from the market as well as the shortage of skilled labor, a customer turned to Rieter for support.

Benefits:

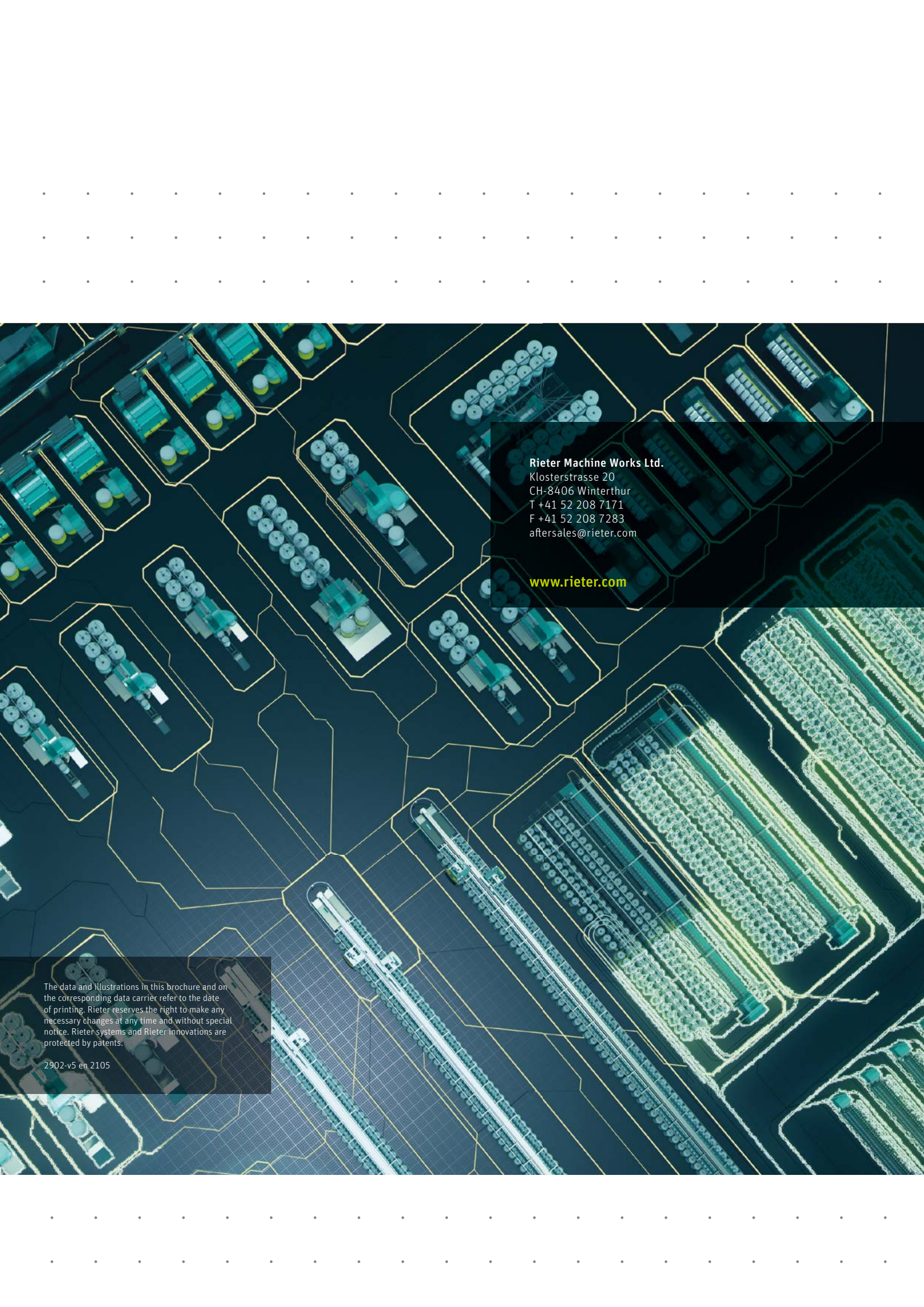
- 20% productivity increase with significant quality improvement
- Enrichment of staff knowledge through training
- 1% raw material utilization improvement



The three-step approach

Performance Optimization Services boost mill efficiency and reduce yarn production cost to give customers a competitive advantage. Through a detailed on-site analysis of the spinning mill, from fiber preparation to end spinning, Rieter experts identify potential performance improvements. The implementation of recommended solutions enables customers to achieve their specific requirements and strategic goals.

| PRE-ASSESSMENT | MILL ASSESSMENT | SOLUTION |
|---|--|--|
| Why? | | |
| <ul style="list-style-type: none"> • To plan the mill assessment | <ul style="list-style-type: none"> • To report potential mill performance improvements | <ul style="list-style-type: none"> • To increase mill competitiveness • To generate more revenues |
| How? | | |
| <ul style="list-style-type: none"> • Review of current and desired situation | <ul style="list-style-type: none"> • Know-how transfer • Analysis of weak points and potentials • Settings adjustment, trials | <ul style="list-style-type: none"> • Realization of potentials • Elimination of weak points |
| What? | | |
| <ul style="list-style-type: none"> • Remote analysis of key data to evaluate potential for a mill assessment | <ul style="list-style-type: none"> • Minimum one week on-site assessment by Rieter specialists | <ul style="list-style-type: none"> • Installation of upgrades, replacement of parts, execution of training and services |



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2902-v5 en 2105