

Performance Optimization Services

Boosting spinning mill performance from blowroom to winding

Your benefits:

- Revenue generation
- Productivity boost
- Uncompromising quality

A World of Success

Impact of profit margin and yarn production cost

Since the raw material and yarn prices are out of a mill's control, the mill's performance level in terms of productivity, output quality, energy consumption and raw material realization is a deciding factor for gaining a better profit margin. Over the years, mill performance may drop due to the following reasons, resulting in increased production costs:

- components getting older repetition,
- machine can't run at optimum speeds and is poorly utilized,
- comparatively consuming higher energy,
- loss of good fibers due to aged and damaged components,
- improper machine settings and
- staff not trained for productivity.

SUCCESS STORY IN NORTH AMERICA

Challenge: After several years of operation, the spinning mill experienced lower performance. 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



SUCCESS STORY IN TÜRKIYE

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% yarn breaks reduction
- Return on investment below one year



SUCCESS STORY IN INDIA

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%



SUCCESS STORY IN CHINA

Challenge: Customer turned to Rieter to remain competitive in the market by improving the quality and productivity.

Benefits:

- Mill production output increased by 6%
- Yarn imperfection (IPI) reduced by 30%
- Machine utilization increased



SUCCESS STORY IN BANGLADESH

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%



SUCCESS STORY IN INDONESIA

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



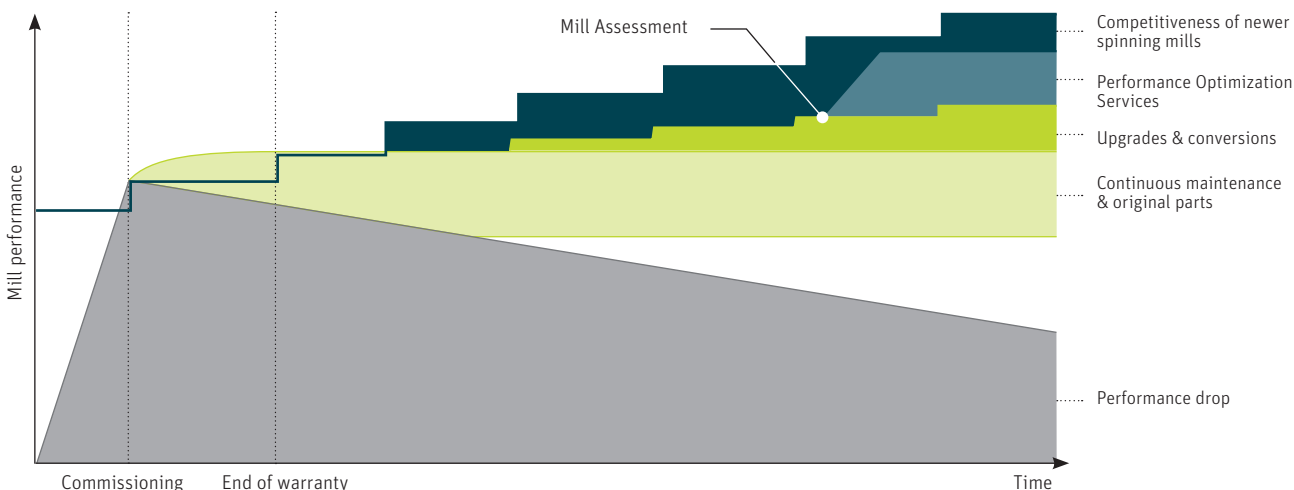
Impact of Profit Margin and Yarn Production Cost

Productivity boost

Over the years, productivity and output quality of machines tend to drop due to various reasons. Through performance optimization services, Rieter analyzes and recommends 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 through its various upgrades and conversions.



Revenue generation

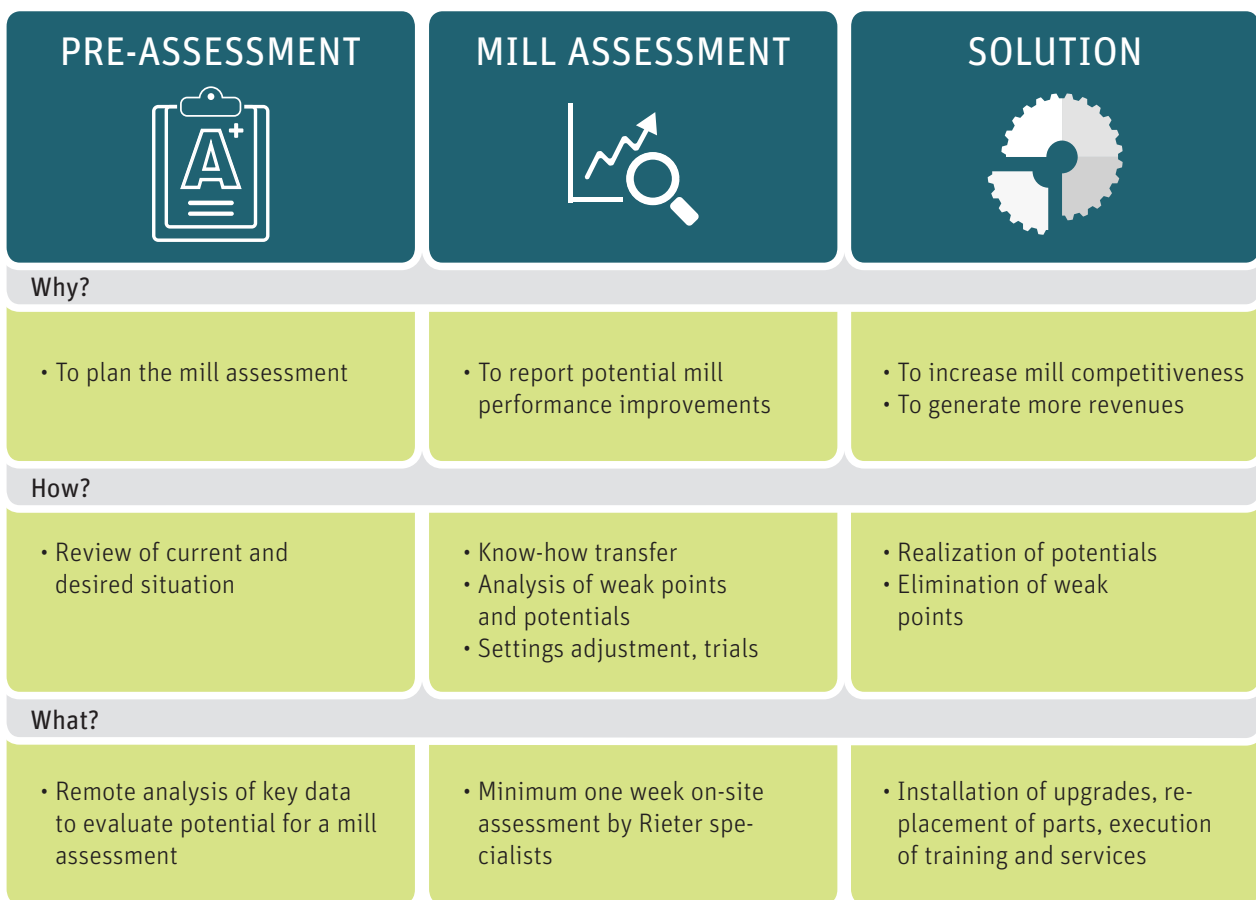
The cost split within a typical spinning mill is well-known and in order to generate more profit, Rieter focuses on key costs such as raw material utilization or energy costs while maintaining, if not improving, the quality of the yarn.

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 through training, tackles this challenge and develops the full potential of people and machines.

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 blowroom to winding, Rieter experts identify potential performance improvements. The implementation of recommended solutions enables customers to achieve their specific requirements and strategic goals.

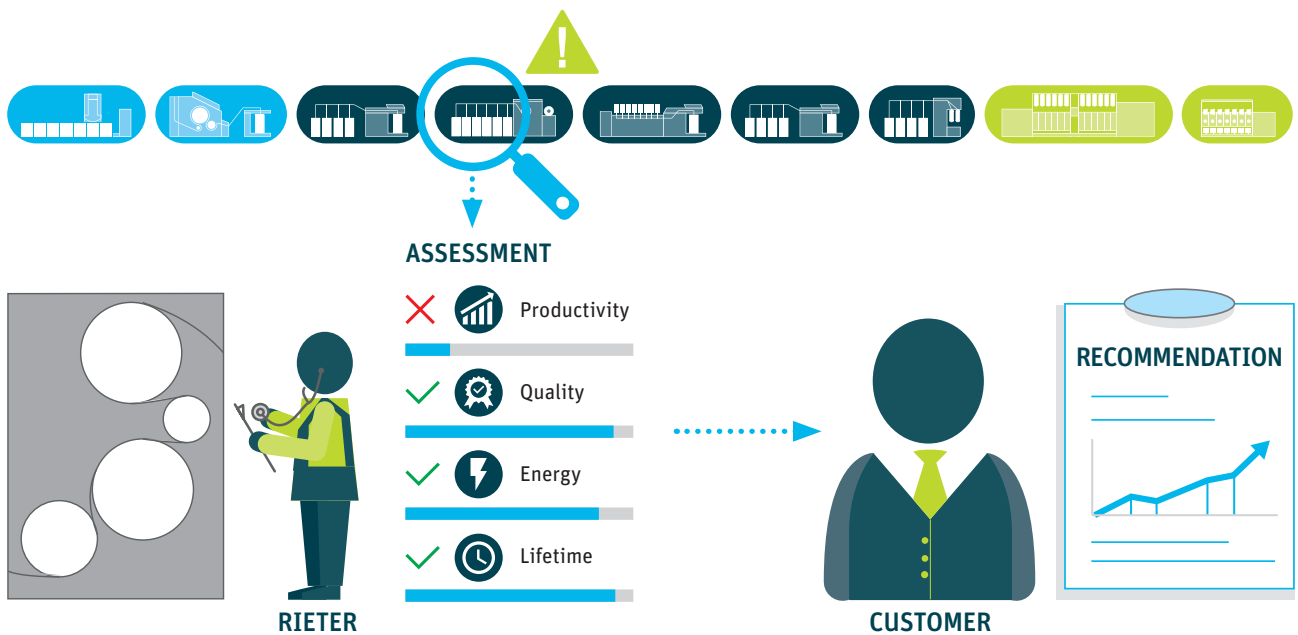


Pre-assessment

The initial process of POS is to collect the existing mill data in a standard format, including desired results. A remote analysis of key data to evaluate the potential for a mill assessment will be done based on the existing data of the mills.

Mill assessment

A mill assessment is a detailed analysis of the spinning process from blowroom to winding. Rieter specialists will identify and give clear recommendations on how to reduce production costs and improve machine performance. The immediate customer benefits help optimize machine settings, resolve onsite issues, save energy and train staff by Rieter service specialists.

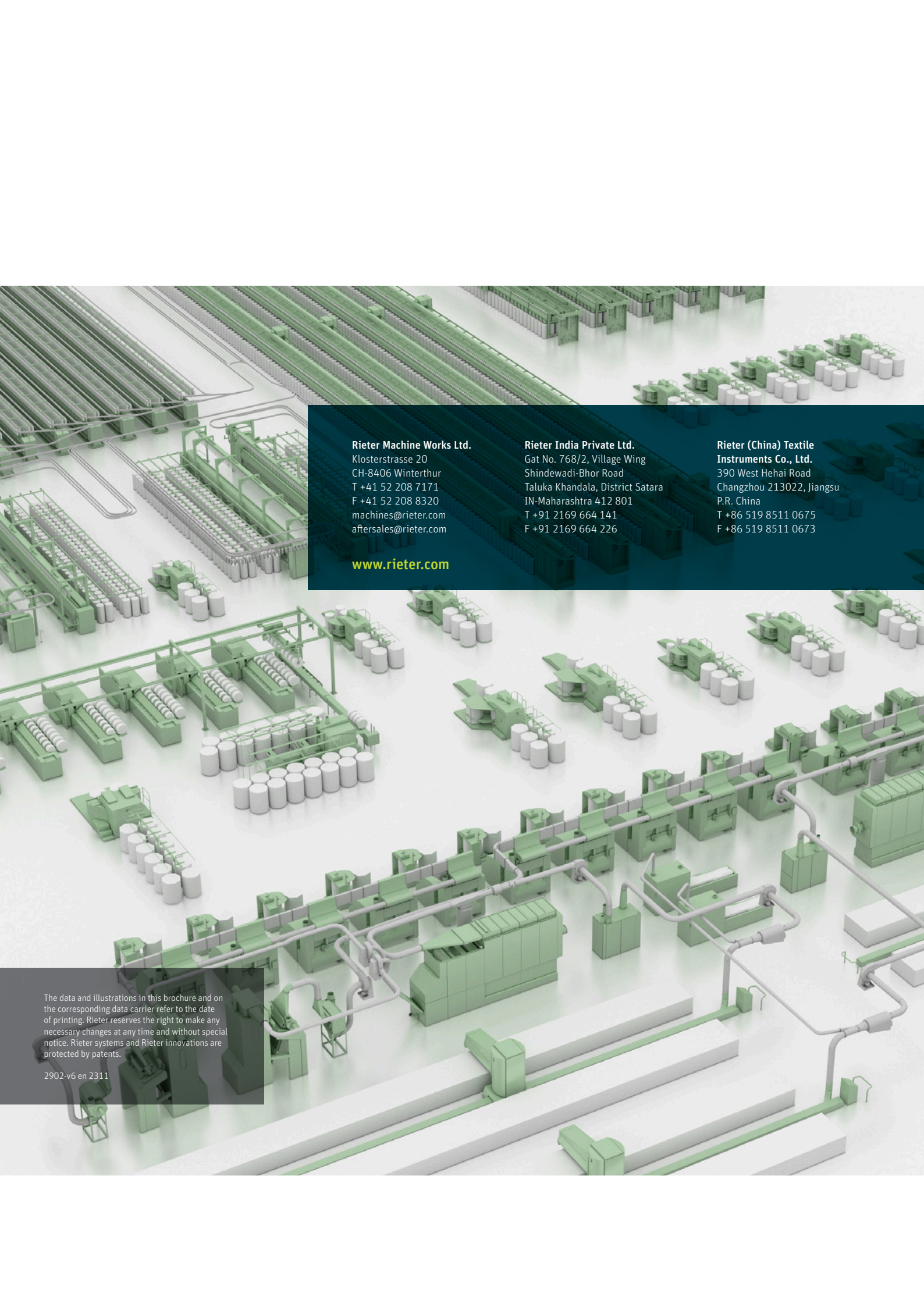


Solution concept

After the mill assessment is completed, a customized solution concept will be established to further improve the mill's overall performance. It consists of a list of offerings and possible implementation of recommended solutions such as:

- upgrades, conversions and retrofits,
- spare, wear, tear and technology parts,
- textile technology services, service contracts, OPM (Onsite Project Management)
- recommendation for process changes from specific raw material to another,
- customer training,
- repair services and
- new machine investment proposals.





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