



Spooner Technical Services

SPOONER
TECHNICAL SERVICES

Process & Support Specialists

Spooner Technical Services

Increased Throughput..
Optimum Reliability..Superior Quality
..Enhanced Safety..Reduced Operating Costs

Spooner Industries is a leading international manufacturer and supplier of ovens, dryers, coolers and related process equipment to the paper, converting, nonwovens, metals and food



processing industries. Spooner Technical Services combines essential process skills and machine building knowledge in order to maximise the performance of existing process equipment. In today's times, it is vital to ensure that any process equipment is able to deliver consistently high levels of product quality with optimum levels of plant availability - and all this without comprising safety. Spooner's team of process specialists offer a range of services in order to help achieve this.



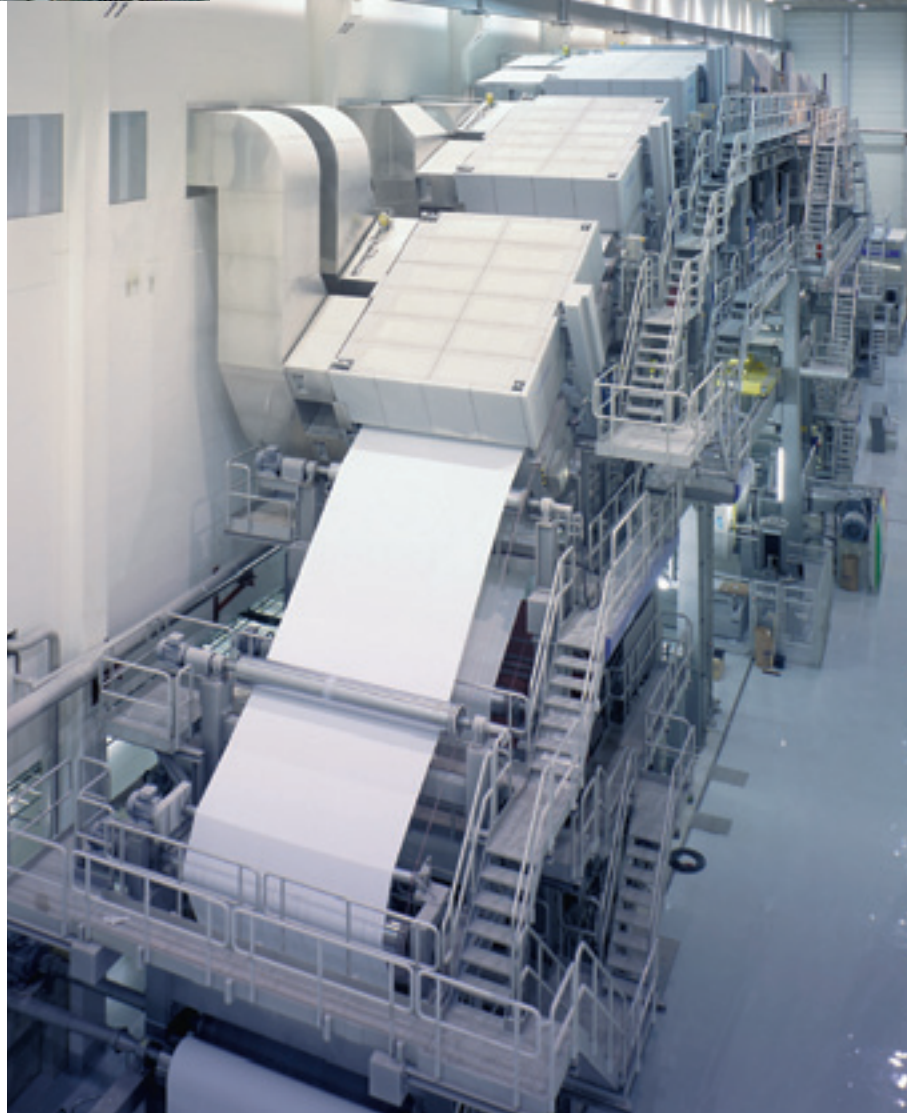
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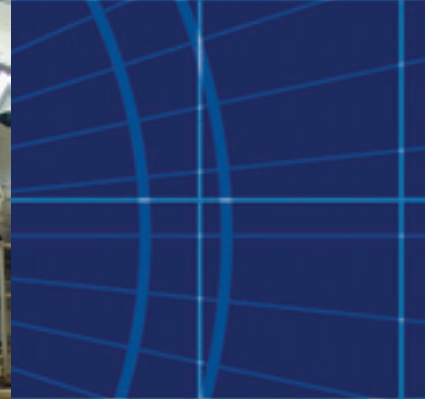


Process Inspections

Spooner Technical Services carry out detailed evaluations of process equipment. The audit can take place during production or during a planned shut down and the resulting report evaluates the condition of the equipment, prioritises mechanical and electrical repairs and highlights any relevant health and safety issues.

By measuring and monitoring key operating variables, we identify production bottlenecks and identify ways of increasing throughput.





Reducing Downtime

The cost of lost production due to failure of a component can be very expensive. In order to reduce the risk of unplanned production downtime, Spooner Technical Services evaluates the process equipment and advises on maintenance schedules. We produce detailed recommendations for spare parts, and supply these worldwide. For bespoke parts, we offer a flexible and highly reactive service with the capability to manufacture these in-house.

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Benchmarking

Many of our clients have multiple sites, often located across a wide geographic area.

Technical evaluations by Spooner's process specialists allow customers to prioritise refurbishments and benchmarking around their Group. Spooner Technical Services provides independent comparison of the key equipment, providing an invaluable summary of its condition and performance.

In-House test Facilities

Spooner's extensive in-house test and development centre boasts a comprehensive range of pilot equipment to evaluate and develop new equipment and processes. The test centre can be used for a variety of applications including paper, converting, non-wovens, metals and food and is available for customer trials.

The equipment includes:

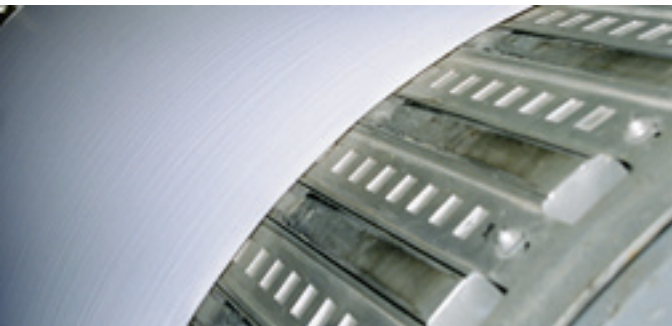
- 3 section travelling food oven.
- Reel-reel high speed coating line equipped with air flotation dryer.
- Reel-reel coating line equipped with rollers or conveyor.
- Hand-sample pilot machines.
- Through-flow pilot machine.



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Energy Efficiency and Reduced Running Costs

With energy costs at a record high, the importance of energy efficient operation cannot be underestimated. Our team of process specialists can evaluate a variety of solutions to reduce your running costs, and many of these solutions can be implemented with very low pay back times and limited capital investment.



Training

Understanding the principles of operation is vital for operators and supervisors to be able to assess how production could be improved and how downtime can be minimised. Process equipment can operate for many decades and new personnel are inevitably employed to



operate the equipment. Spooner Technical Services provides bespoke training and software packages that allow new and existing personnel to understand the capabilities and limits of the process equipment, allowing them to operate and maintain the machine with confidence and to make informed decisions on process improvements.



Plant Refurbishment

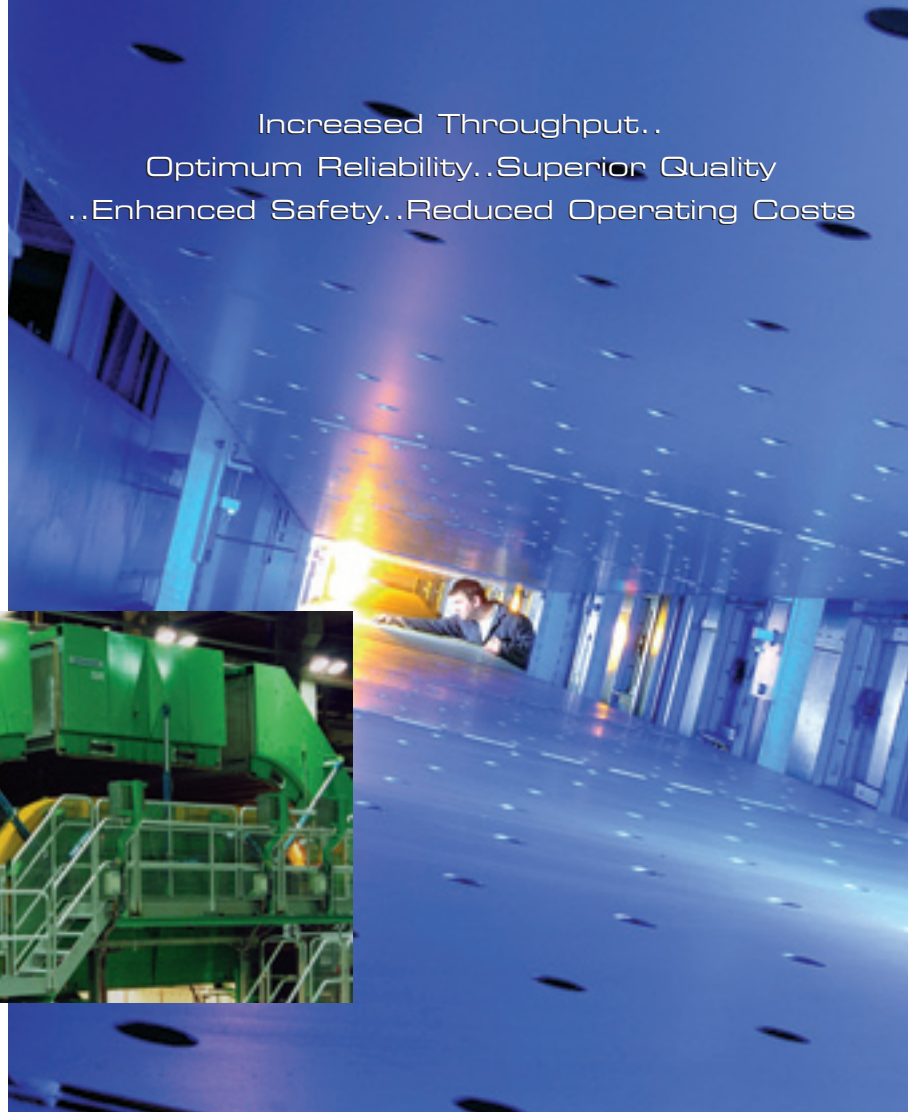
As world leaders in drying, curing and baking systems, we understand the process and the equipment. Spooner Technical Services provides refurbishment services for existing equipment in order to optimise its performance and maximise its life. Our turnkey project management services ensure that all activities are coordinated and that all technical, financial, safety and planning targets are met.

Plant Relocation

Spooner Technical Services has unparalleled experience in relocating existing equipment. We offer a complete service, including decommissioning, removing, transporting, refurbishing, reinstalling and commissioning.



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