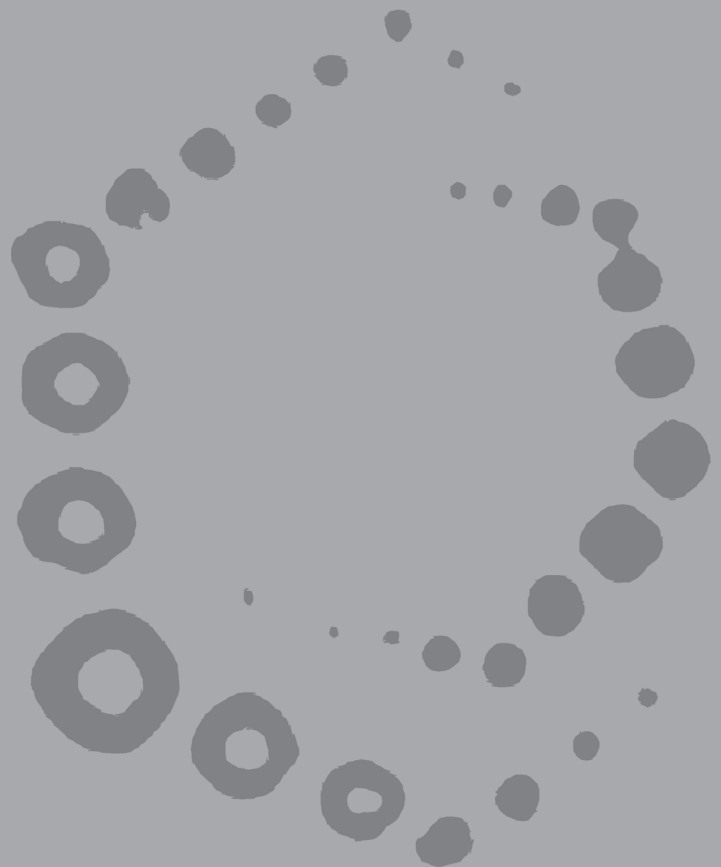




HFL-Park Place

Turning Knowledge into Control



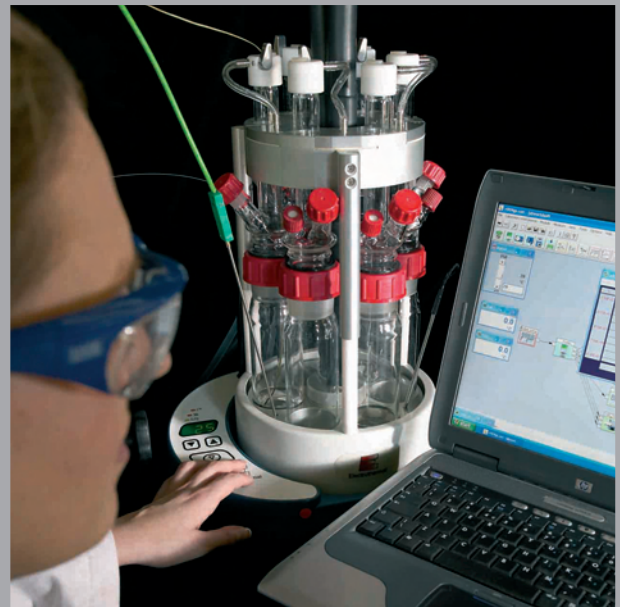
- > API Design and Construction
- > Strategic Process Research and Development
- > Leading Knowledge of Crystallisation Processes
- > Innovative PAT Solutions

Turning knowledge into control

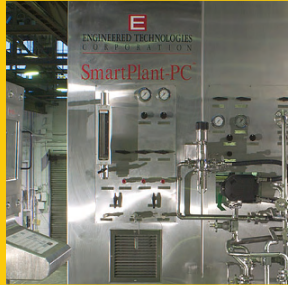
HFL - Park Place is a joint venture between Haden Freeman Group and Park Place Research. Haden Freeman Limited (HFL) is well known for its expertise in the design and construction of pharmaceutical ingredient (API) plants for the application of risk-based approach to process control technology and systems. Park Place Research is focussed on strategic process research and development and has a leading knowledge of crystallisation processes, as well as the application of innovative process analytical technology (PAT) solutions to manufacturing processes.

Commitment to excellence

As both companies share a common commitment to excellence in process innovation, it is natural that they should join together to offer an unparalleled range of services to the pharmaceutical industry.



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HFL- Park Place offers:-

- > strategic process design and development;
- > comprehensive integration of skills from research to engineering;
- > development of processes which are easily controlled and repeatable;
- > a risk-based approach to development which recognises key roles and quantifies level of tolerance.

Key Skills

Within our joint range of services our key skills include:-

Crystallisation

Our expertise enables us to predict and control the scale up of batch crystallisation processes from laboratory to production. Often particle size distribution or crystal form can have significant effects on filtration properties and drying times. Our ability to optimise processes in these areas enables significant improvements in process cycle times and reproducibility.

PAT

Our thorough understanding of the application of sensors to various unit processes, and the control and management of data from them is key to offering manufacturers processes with increased robustness, reduced variability leading to increased manufacturing capability. This is backed by expertise in process validation and technical risk management.

The integration of these approaches avoids duplication of efforts, thereby producing significant strategic advantage both immediately and in the long term.

Our expertise enables us to predict and control the scale up of batch crystallisation processes from laboratory to production.



Further Enquiries

Whether you need to develop a new process or comprehensively understand the factors influencing an existing one, contact:

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A joint venture between Haden Freeman and Park Place Research