

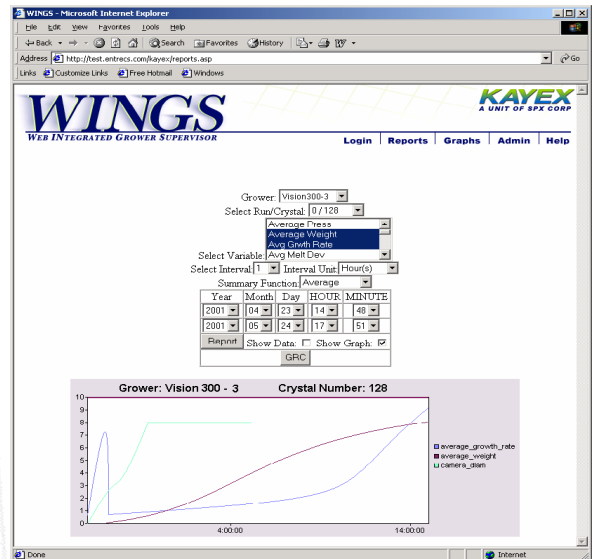
WINGS

WEB INTEGRATED GROWER SUPERVISOR

Open a window into your process data
Close the loop on process development

What is WINGS? 什么是Wings 软件?

- A fully integrated crystal growth process development database and reporting system for Kayex crystal growers.
- 为凯克斯单晶炉设计的完全整合的晶体生长工艺管理的数据库。
- The **WINGS** system brings process visibility to any computer with a simple web browser, anywhere, even over the Internet.
- 使用 Wings 软件后，可以通过任何装有浏览器的个人计算机来管理工艺。



What does WINGS do? Wings 软件的功能?

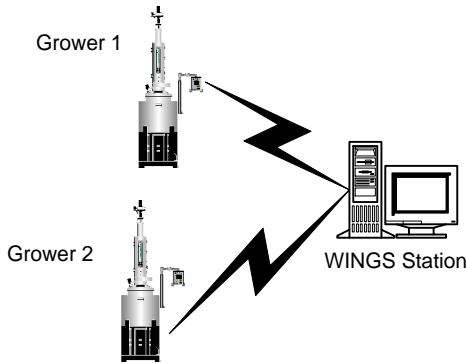
- **WINGS** display current grower and process status from anywhere, at any time.
- 在任何希望的地点实时显示工艺状态。
- Stores growth data from all growers, all runs, all crystals. Retrieves and correlates it effortlessly.
- 存储和关联所有单晶炉，所有批次的单晶生长数据。
- Stores and correlates all recipe and process development information. Updates process recipes from anywhere.
- 存储和关联所有的菜单以及工艺研发数据

What are the benefits of WINGS? Wings 软件的好处?

- Tighten the loop on process control by giving your engineers up to date feedback, wherever and whenever needed.
- 实时接受数据反馈，加强对工艺循环的控制
- Reduce bottlenecks in process recipe development by eliminating limitations of single-point location.
- 中央集中管理，减少工时，缓解工艺开发瓶颈
- Facilitate process improvement and SPC with easy access to historical data and reports.
- 使得工艺管理和 SPC 控制更为方便
- Combine data from all facilities and all Kayex grower models.
- 统一格式管理所有不同炉型，不同工厂的数据
- Use the industry standard database and reporting tools of **WINGS** to integrate your crystal growing operations more closely into your overall information technology strategies.
- 使用工业标准数据库及通讯工具，使得你的工艺数据库轻松与你工厂的其他信息系统轻松整合

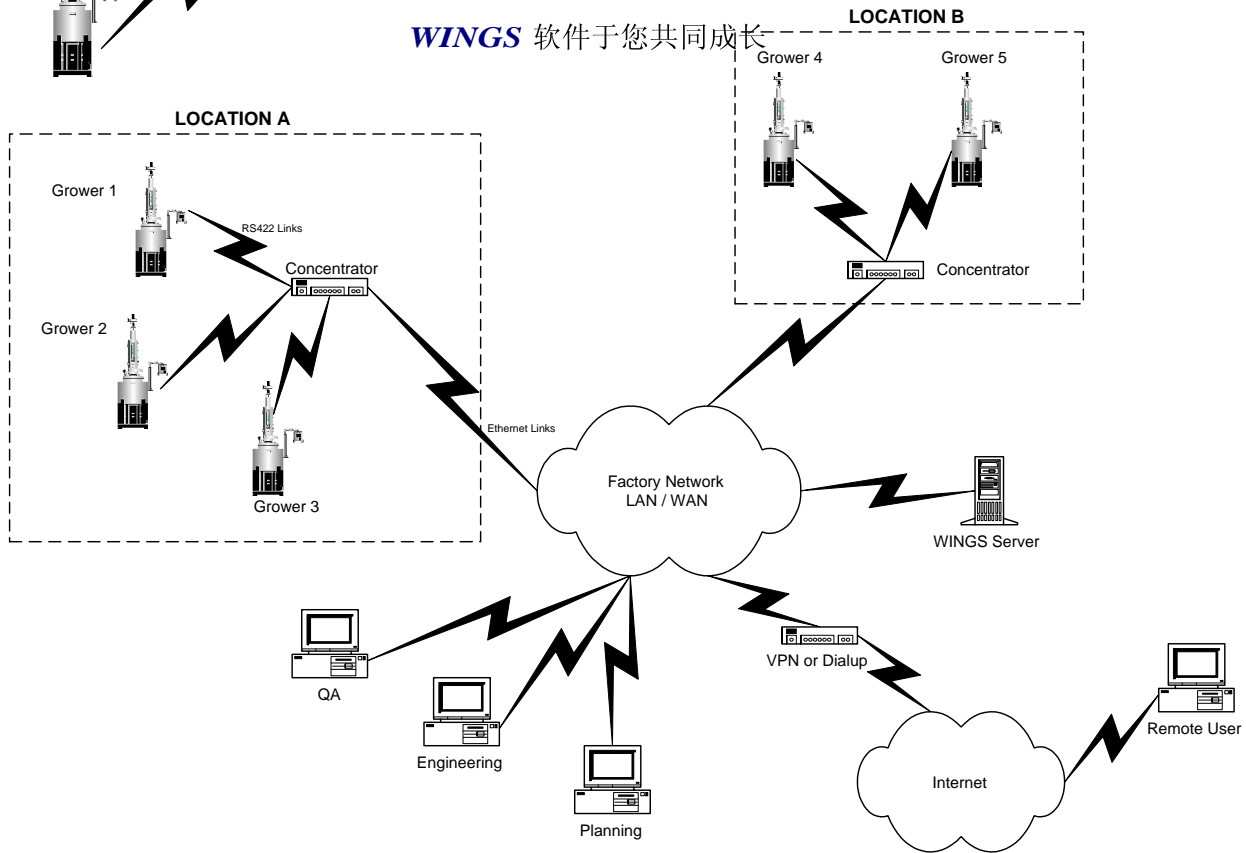
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From simple... to as large as you grow, WINGS grows with you.

WINGS 软件于您共同成长



- **Remote real time monitoring** 远程实时监控
- **Accessible crystal growth data** 实时接入晶体生长数据
- **Intranet and internet compatibility** 与企业内外网兼容
- **Industry standard, configurable reporting** 基于工业标准设计,可编程数据借口

Grower Compatibility 兼容性	All Kayex crystal growers 兼容所有凯克斯公司单晶炉
Database 使用数据库	Microsoft SQL Server ®
Data Compression 数据压缩	User configurable data compression thresholds to manage database size. 用户可选择压缩比率,实现对数据库规模的控制
Graphing 图形显示	Configurable refresh interval & variable selection Plot single run, run-to-run, by length, weight or time...参数等可多选,实现对不同曲线的管理
User Interface 用户界面	Http, standard web browser 标准 HTTP 页面方式

KAYEX
Crystal Growing Technology

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