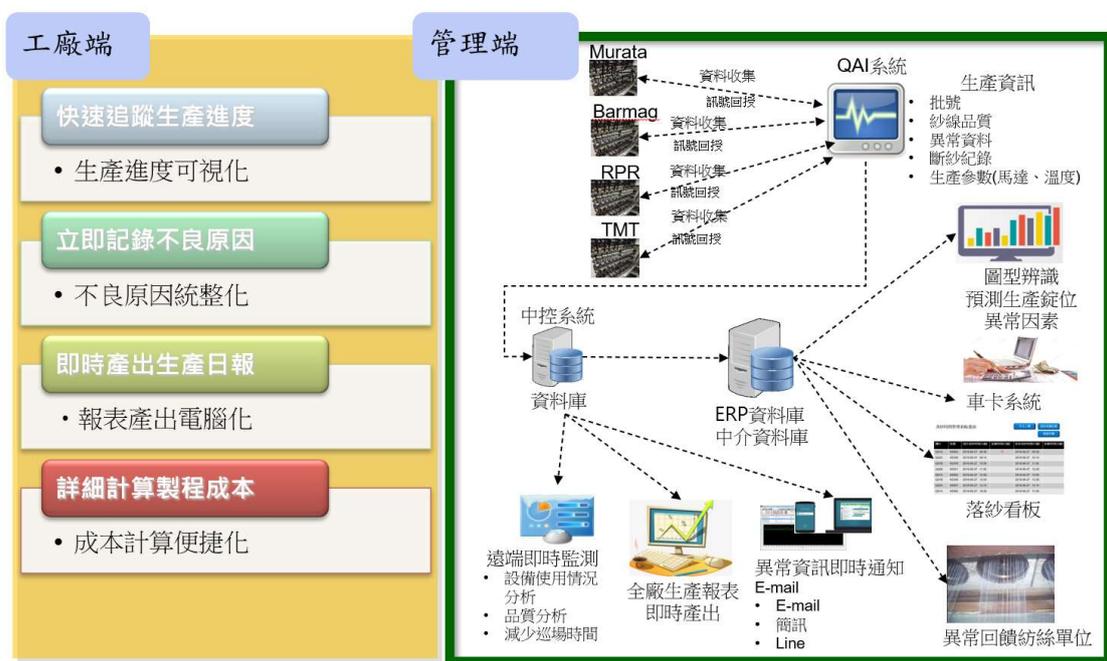


粵華企業有限公司

粵華企業致力於紡織假撚紗品質的提升，透過 QAI(Quality Auto Inspection)解決方案提升 DTY 之品質與管理流程之效率，使工廠可以用更少的人力、更精準的品質監測、更節省的檢測方式來增加的生產效率並且降低製造成本。因應物聯網之發展，粵華企業以 QAI 為基礎架構，建構出一套完整的 SCADA 品質監測中心與產品回溯流程，配合系統與管理組織，將 QAI 提升至不同的層級。



IMS系統 觀音廠 廠區 單機 使用者admin

全廠效率 98.75% 空錠總和 1 錠 異常匯總 (ABNORMAL SITUATION)

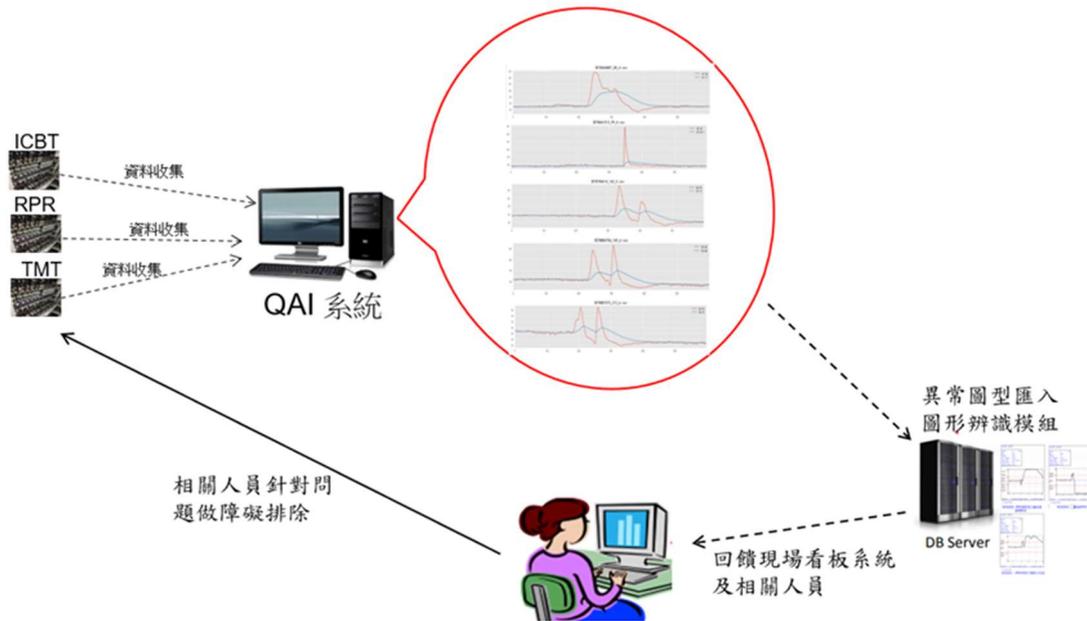
135A 效率 99.5% 空錠 0錠 斷絲 1錠 DY 1.589 IL(kgf/cm2) 1.6	136A 效率 99.5% 空錠 0錠 斷絲 1錠 DY 1.589 IL(kgf/cm2) 1.6	137A 效率 99.5% 空錠 0錠 斷絲 1錠 DY 1.589 IL(kgf/cm2) 1.6	138A 效率 99.5% 空錠 0錠 斷絲 1錠 DY 1.589 IL(kgf/cm2) 1.6	139A 效率 99.5% 空錠 0錠 斷絲 1錠 DY 1.589 IL(kgf/cm2) 1.6	140A
135B 效率 99.5% 空錠 0錠 斷絲 1錠 DY 1.589 IL(kgf/cm2) 1.6	136B 效率 99.5% 空錠 0錠 斷絲 1錠 DY 1.589 IL(kgf/cm2) 1.6	137B 效率 99.5% 空錠 0錠 斷絲 1錠 DY 1.589 IL(kgf/cm2) 1.6	138B 效率 99.5% 空錠 0錠 斷絲 1錠 DY 1.589 IL(kgf/cm2) 1.6	139B 效率 99.5% 空錠 0錠 斷絲 1錠 DY 1.589 IL(kgf/cm2) 1.6	140B

機台	批號	效率	張力	CV%	空錠數	斷絲	IL空氣壓力	YS	DY
135A	12D5M	99%	41.2	3.64	0 錠	2 錠	1.6 kgf/cm2	650	1.6
135B	12D5M	99%	41.2	3.64	0 錠	2 錠	1.6 kgf/cm2	650	1.6
135B	12D5M	99%	41.2	3.64	0 錠	2 錠	1.6 kgf/cm2	650	1.6

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零華也提供紡織機台各式零配件，例如切絲器、斷絲感測器、打結槍、噴嘴、捲取槽棍等。另也提供機台客製化改造，捲取機改造、假撚機改氣撚機、OP 外加軸、油槽改造等。

最後，零華 QAI 系統在多年的經驗累積下，透過大數據與 AI 建模，可以透過假撚機異常圖形辨別異常問題，此線上預測的能力提升，降低產品的不良品佔比 2% 以上，並且有效進行產品分級。現場公用人員過去須要全絲道檢查及檢查 POY，透過已建立之模型預測異常原因，查修異常錠位，加速查修效率，迅速恢復異常錠位恢復生產。未來將擴及至全廠線之智慧示範運用，以及擴充平台給功能紡織智能衣等中下游廠商供應鏈。

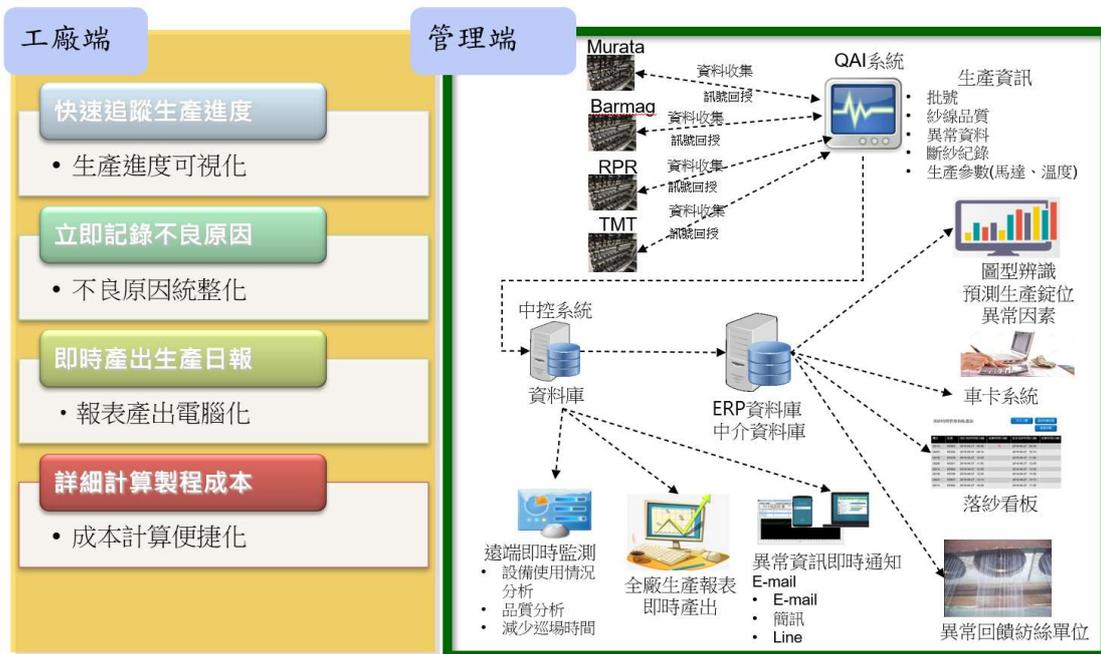


參考網站：www.qai-lab.com



YU HWA TOOLS AND SPINDLE ENTERPRISE CO., LTD.

YuHwa Enterprise is committed to improving the quality of textile false-twisted yarn. Through the QAI (Quality Auto Inspection) solution, it improves the quality of DTY and the efficiency of the management process, so that the factory can use less manpower, more accurate quality monitoring, and save more money. Inspection methods to increase production efficiency and reduce manufacturing costs. In response to the development of the IOT, YuHwa uses QAI as the basic structure to construct a complete set of SCADA quality monitoring center and product retrospective process, and cooperates with the system and management organization to upgrade QAI to different



IMS系統 觀音廠 廠區 單機 使用者admin

全廠效率 98.75% 空錠總和 1錠 異常匯總

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135B	12D5M	99%	41.2	3.64	0錠	2錠	1.6 kgf/cm2	650	1.6

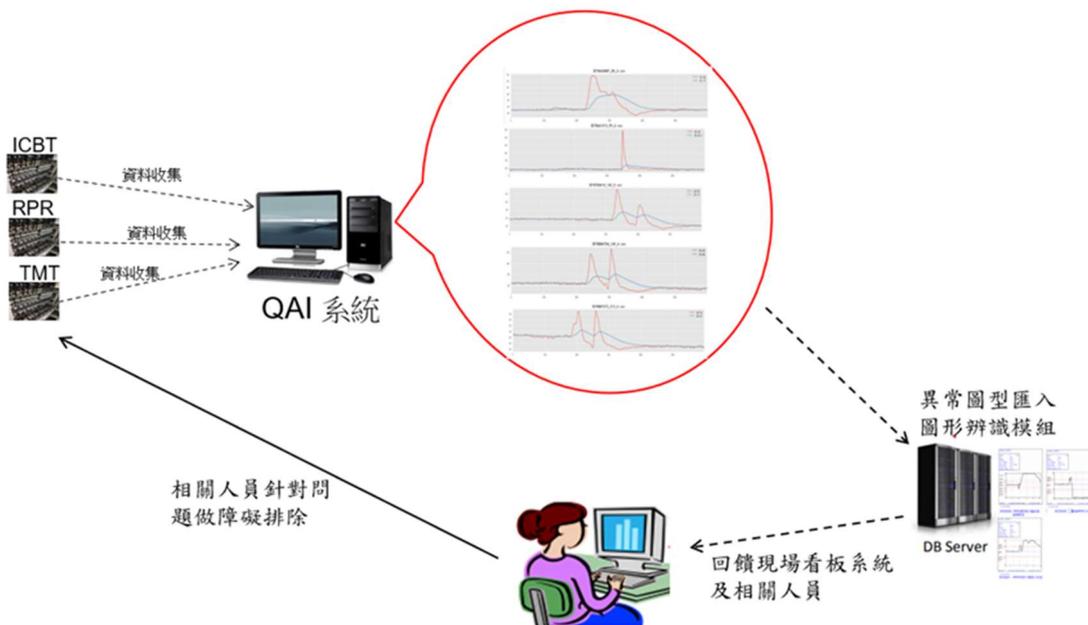
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levels.

Yu HwaU also provides various spare parts for textile machines, such as cutters, yarn sensors, splicer, nozzles, traverse cam, etc.

In addition, we also provide machine customization transformation, coiler transformation, texturizing machine to air twisting machine, OP extra shaft, oil tank transformation, etc.

Finally, with years of accumulated experience, the QAI system of YuHwa can identify abnormal problems through the abnormal graphics of texturizing machines through big data and AI modeling. The ability of online prediction has been improved, and the proportion of defective products has been reduced by more than 2%. And effectively carry out product classification. In the past, on-site utility personnel had to inspect the entire thread path and check POY, predict the cause of abnormality through the established model, check and repair the abnormal spindle position, speed up the inspection and repair efficiency, and quickly restore the abnormal spindle position to resume production. In the future, it will expand to the smart demonstration application of the whole factory line, and expand the platform to the supply chain of mid-stream and downstream manufacturers.



website : www.qai-lab.com