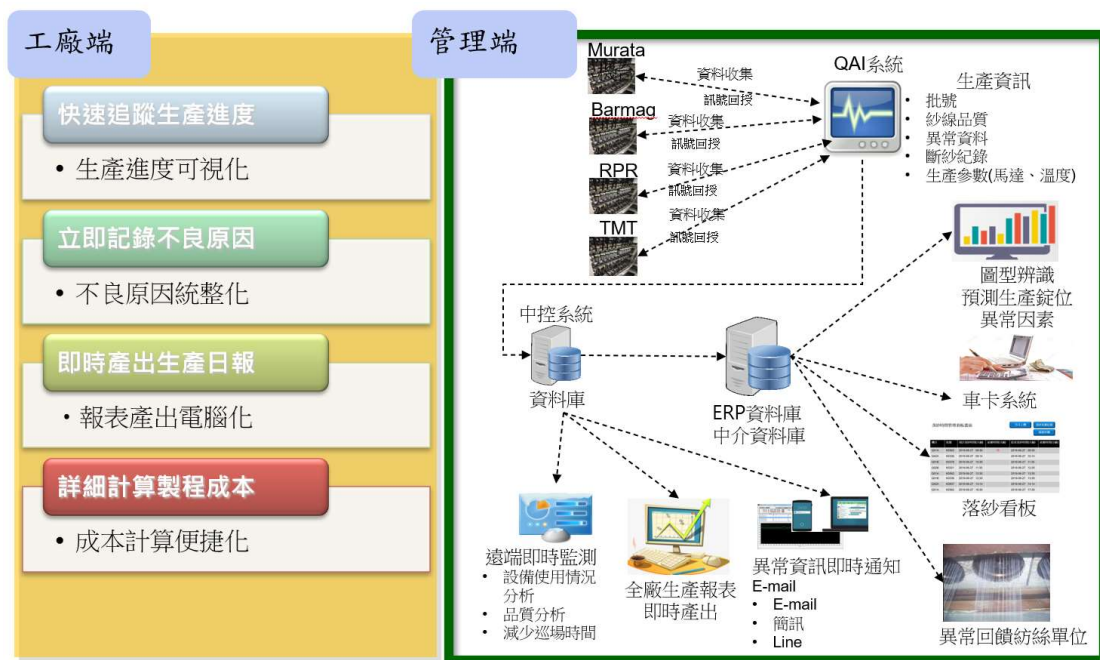# YU HWA TOOLS AND SPINDLE ENTERPRISE CO., LTD.

Yu Hwa 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 workforce, 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, Yu Hwa 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
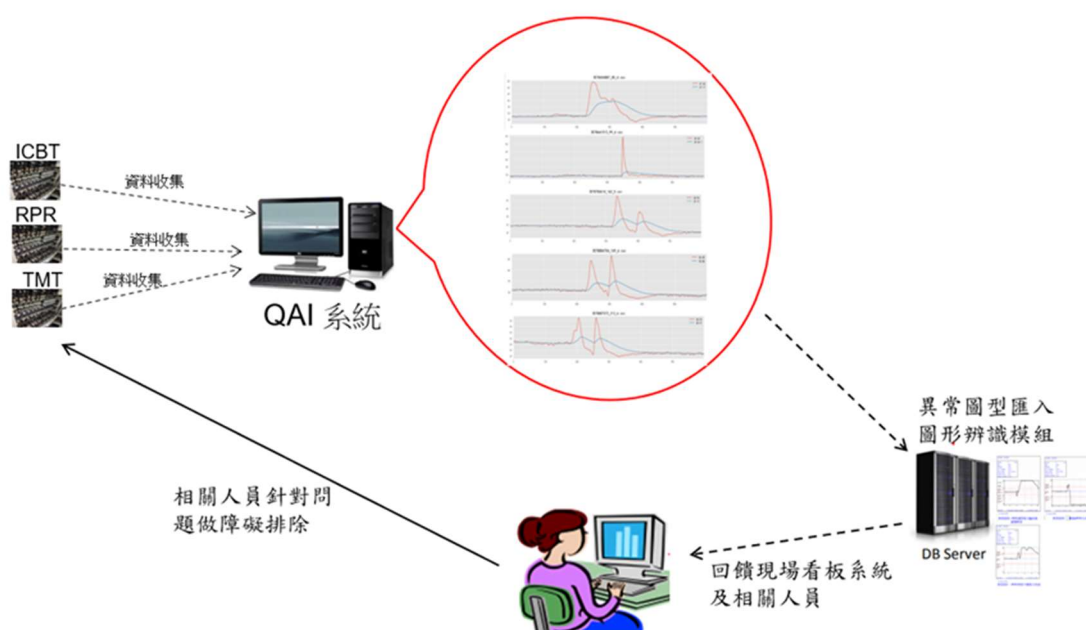

IMS系統 觀音廠　廠區∨　單機∨　　　　　使用者admin∨

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

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

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

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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upgrade QAI to different levels.

Yu Hwa U 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.

For more information, please visit our website www.qai-lab.com.