

INNOVATION - WE ALWAYS FIND A BETTER WAY

2022 INNOVATION WINNER



INNOVATION AWARD ANNUAL 2022 WINNER

“What can we change to make things / processes / products better?”

PROJECT:

**Automation Assembly
Pilot Program**

TEAM:

- Chris Wolfe
- Jeff Xu
- David Bedford
- Ford Wang



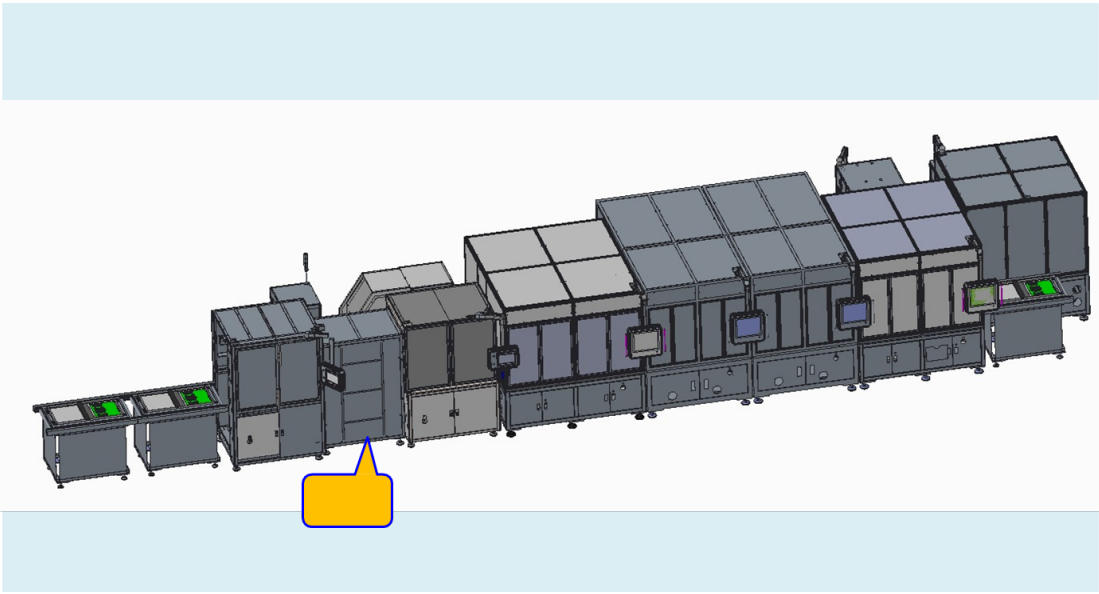
Automation Assembly Pilot Program

The automation assembly line bring the industrial 4.0/AI technology/Machine learning concept to Hyve, it will use high tech robot with auto carrier system to help on Mother board assembly, CPU + Bracket Assembly, Heatsink Assembly and Dimm insertion. This new automation assembly line helped to drive up the FPY, reduced the damage rate, and improved the efficiency.

Teamwork	Company Impact	Customer Delight	
H	H	H	This project is cross sites even coordination with customer, provide good marketing image/competency to customer, improve quality/efficiency data and reduced cost

Chris Wolfe, Jeff Xu, David Bedford, Ford Wang

- For Woody server assembly line, there are some stations have the high repeatable task during the process such as MB station, CPU and Heatsink Sation, DIMM station.
- Those stations have the most expensive/sensitive parts in the server.
- We have seen the data of lots parts damage/reseating due to human work/touch.
- Use robot for those station is trend of the industry/ next generation technology and will solve all the pain point we have.
- We have all sites working together with the robot integration supplier to design the new assembly line/robot system.
- After 1 year fabrication and debug, then finally this line up running at our WUXI site.
- The after-installation result showed we have 0 damage and 2 minutes takt time, and this is beyond the expectation.



Automation Line in China