"Protecting and Optimizing your Robotic Investment"

Case Study: Large Car Manufacturer , Sweden

Abstract:

A Large size Automotive sub-assembly manufacturing plant in Sweden were tooling up for a new model to be produced at their main factory in Sweden.

The Challenge:

Provide support and path programming on a number of production cells with continued support and trouble shooting over the initial production period.

Provide knowledge and expertise to improve 'time to start' and facilitate a smooth transition from prototype stage through to full production.

Methodology:

Cell requirements were handed down by site supervisor and cells were programmed, both on and offline, to meet the customers programming standard. Cell responsibility for various tasks were handed down and duly acted upon.

How we succeeded:

After a short period of time full cell programming responsibility was handed down to us and it became our remit to achieve both cycle time and quality. This was done alongside a number of other programmers on various cells and working in close co-operation with mechanical and electrical members of the contract team.

Jigsaw Robotics cells were finished ahead of all other cells and we were moved on to other cells to achieve the requirements of each.

Eventually after cell quality had been achieved a period of cycle time reduction lead to Jigsaw Robotics achieving cycle time on a number of other cells, leading to site wide Robotic cell responsibility for initial production phase.

During this stage various improvements were made to further improve cycle time. In close contact with on-site engineers various other issues were cleared and improved until the final hand over

What we achieved:

Expected Cycle Time's achieved and in some cases improved by up to 3%
Improved methodology achieved more stable cells
Quality issues dealt with immediately and completely
Good customer relationship leading to better understanding of requirements

"delivering quality Robotic Solutions to the manufacturing industry"