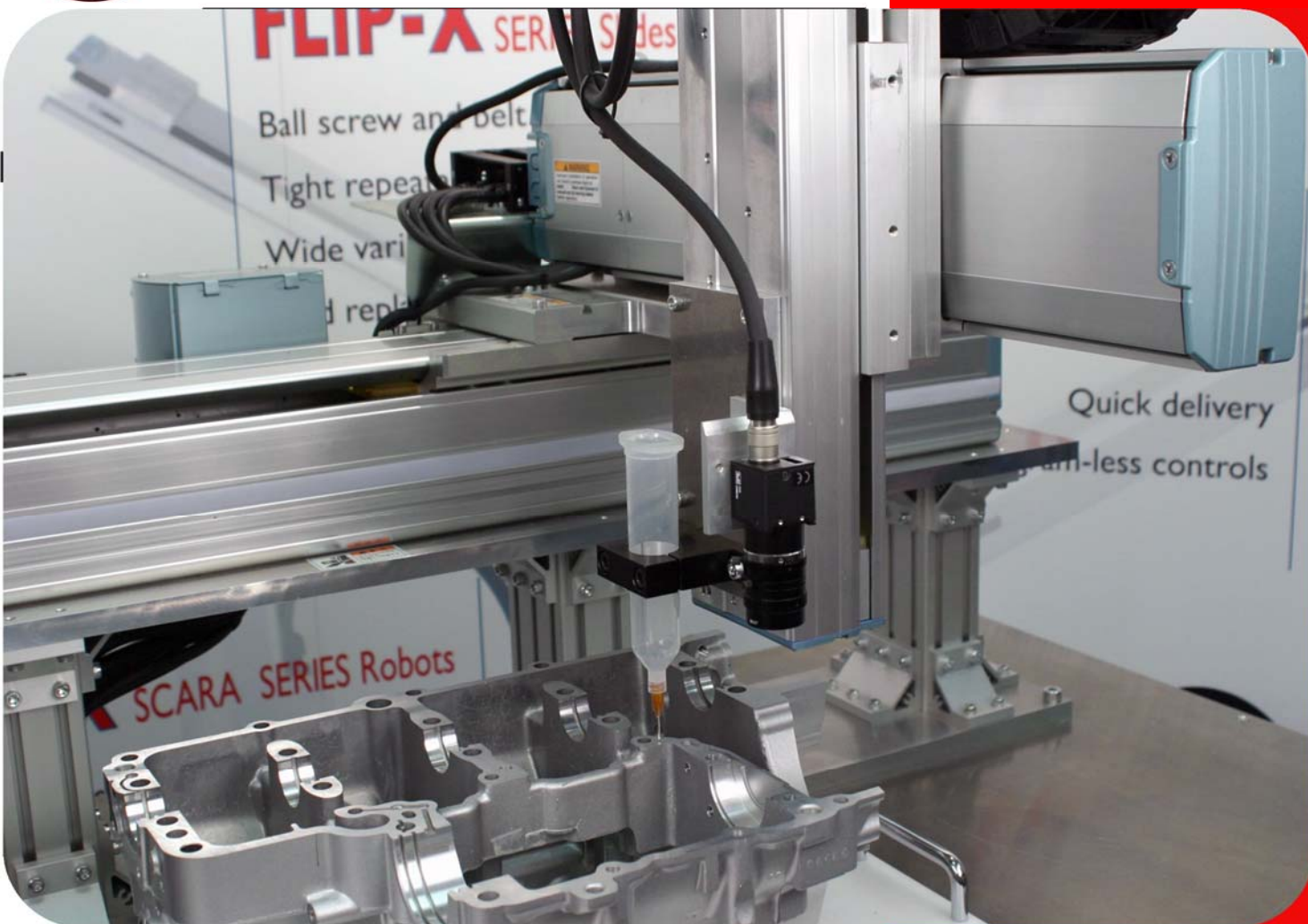




# YAMAHA



# Dalsa VA31 Integration to RCX240 Controller

Sample Provided by Jason Berg – Hartfiel Automation



<http://www.hartfiel.com/index.php>

## Hardware Used:

**YAMAHA ROBOT: YK500XG**  
**YAMAHA CONTROLLER: RCX240S**  
**DALSA VA31 iNspect 1860**  
**PLC/HMI: B&R PP500**

## Description:

Attached is the Dalsa program. I was using a Dalsa VA31 running iNspect Express firmware version 1860. This software runs on the more current Dalsa BOA which is what most customers would be using. Our customer required an external monitor so we went a different route for this reason.

Attached are some screen shots of the scripting I used and the part image. Basically I am sending the data directly into P16 of the robot point table and then pulling the data from there to use in the robot calculations. Attached are the subroutines from the robot program where I'm using the vision. If you look at the INSPECT subroutine you can see where I pull the data. I am also using this data in my PLACEA and PLACEB subroutines to calculate my position offsets.  
4-Point Coordinate system

-Jason Berg