

Reset Machine	Reset ATC	Change Tool	Reload Part	Reload Program	Close Door	
102	694	256	808	961	268	
103	695	984	810			
104	696	994	1 G 1 Y.			
105	697			U D C		
292	698]		274	
343			IS-€6			
176			PER-		Ð.	
177			l Das		69.W	
971						

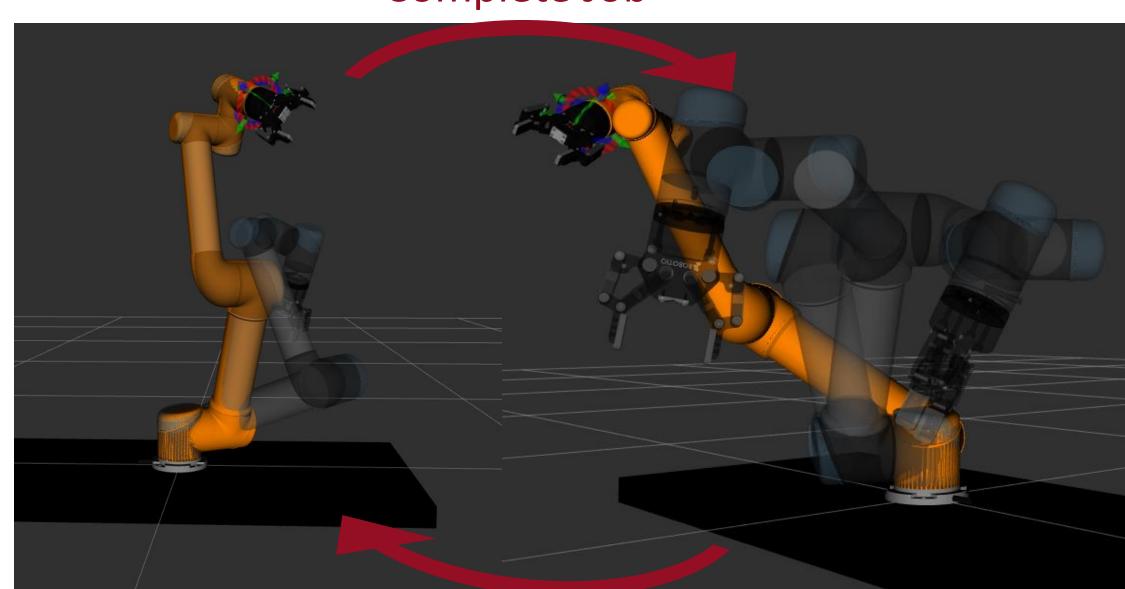
Scan for a video demo →

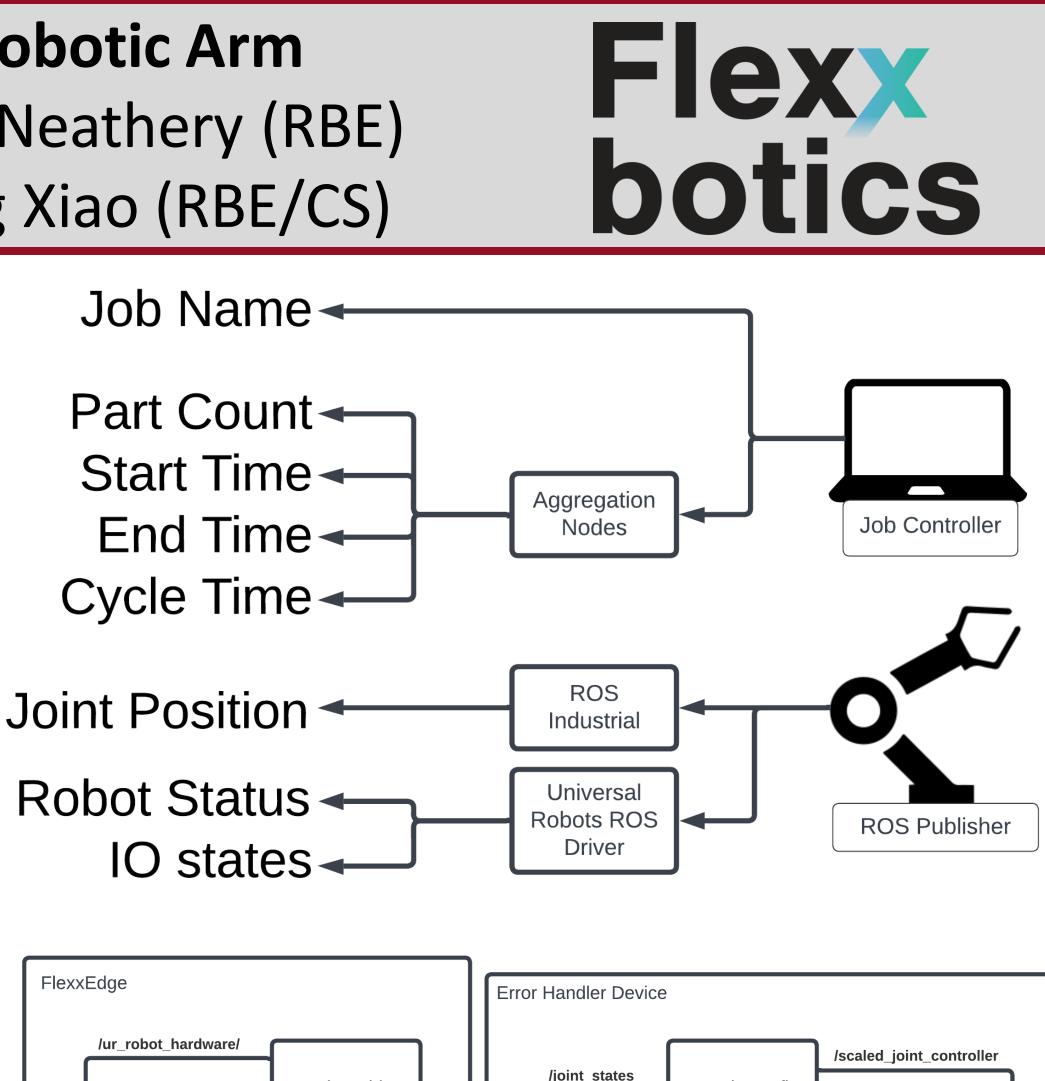
CNC Alarm Resolution and Work Cell Monitoring with a Robotic Arm Students: Brian Francis (RBE), Mayank Govilla (RBE/CS), Niko Neathery (RBE) Advisors: Siavash Farzan (RBE), Gregory Lewin (RBE/ME), Jing Xiao (RBE/CS)

Objectives:

 Autonomously tend to CNC machine React to and resolve alarms in real time Monitor and report job metrics via ROS

> n automated methodology to handle alarms in **Computer Numeric Control (CNC) system. We** eveloped a set of Robot Operating System **ROS) nodes that autonomously manage a CNC** vith a robotic arm while reacting to alarms in eal-time. Our approach also tracks erformance metrics for later evaluation. The nethodology is scalable and adaptable to a vide range of CNC systems, making it a valuable ool for improving efficiency and productivity.





Complete Job

Update Run Record