ID	Feature	Description	Priority	Status
1	Automatic Dispensing	The dispense mechanism for polymers is mostly automated.	Top	Open
2	Double Slot Deposition	Dispense mechanism can deposit a polymer on a double slot simultaneously	High	Open
3	Column Deposition	Dispense mechanism can deposit a polymer on a double slot simultaneously in an column of equally-sized devices	High	Open
4	Multi-column Deposition	Dispense mechanism can deposit a polymer on a double slot simultaneously in multiple columns of equally-sized devices	High	Open
5	z-axis tolerancing	Take into account leveling differences of the chip due to manufacturing tolerances to avoid device damage or needle breakage.	Low	Open
6	xy-axis tolerancing	Take into account xy-plane alignment of the device for roll, pitch and yaw (rotations in x-, y- and z-axis, respectively)	Medium	Open
7	Multiple Polymer Dispensing	Enable the user to dispense multiple types of polymer at specific columns or row sets.	Low	Open
8	Matrix Deposition	Dispense mechanism can have different column, row, and device settings in the advanced menu.	Low	Open
9	Height Detection	Use PID controller feedback in the motor driver to detect collision.	Low	Open
10	Report Generation	Generate report of activities with time stamps, total duration of deposition, location of polymers, device sizes, offsets, and general calculations and detections.	Medium	Open
11	Camera Visualization	Visualize the current layout using one of the cameras directly connected to the driving computer.	Medium	Open
12	Full Field-of-View Visualization	Use a network arrangement to be able to observe both cameras at the same time using a single screen.	Low	Open
13	Image Processing	Automated detection of offsets, locations, distances and devices.	Low	Open

Table 1: Software requirements decision matrix.