How can we interface our assembly line with Microplan test benches?

In the end-of-line test benches we usually (but not always) incorporate 3 digital output and 1 digital input signals to let Microplan test bench interface with the customer's assembly line.

These 4 signals have the following function/meaning:

Type of signal	Name of signal	Function/meaning	Notes
Digital Input	**BIP**	Appliance is in place (arrived at the test bench)	BIP signal authorizes the start of the test of the appliance under test. If no BIP signal is received, the test does not start.
Digital Output	**RUN**	Appliance is under test	The test is in progress, the test bench cannot receive a further appliance
Digital Output	**GOOD**	Appliance has been successfully tested	The test is finished, the appliance can move to next step (for instance packaging)
Digital Output	**FAIL**	Appliance has not passed the test	The test is finished, but the appliance needs to be re-tested or re-worked

The above is a basic and recurrent configuration, however customizations are always possible, provided that they are agreed at the design stage of the test bench.