however at a very high cost for high volume repetitive processes.

[0009] Features that distinguish the present invention from the background art will be apparent from review of the disclosure, drawings and description of the invention presented below.

DISCLOSURE OF THE INVENTION

[00010] ~~The invention provides~~In one aspect, the disclosure describes an automated device comprising: a first delivery device including: a first component presentation tool; and a first dedicated computer numerically controlled tool drive for loading, separating, accelerating and delivering a first component, from an intake position at a leading end of a stream of like first components, to output the first component at a predetermined delivery time, output position, speed, acceleration and trajectory; and a first receiving device including: a tool for receiving and processing the first component; and a tool drive for moving the tool between: the output position of the first component presentation tool; and a finished piece ejection position; wherein the first dedicated computer numerically controlled tool drive includes programmable controls to independently select the time, position, speed, acceleration and trajectory of the first component during a series of independently programmable first component stages, comprising: a loading stage; a separating stage; an accelerating stage; and a delivery stage.