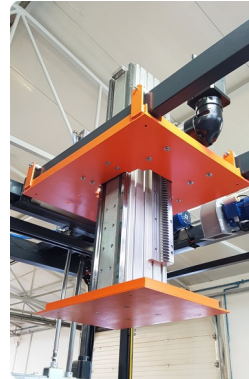


Plug assist.



The plug assist is used in the thermoforming process if there is a need to pre-stretch the plasticized material by mechanical pressure (negative mould). The device consists of a rigid, steel structure on which a movable piston is mounted. The vertical movement of plug assist is generated and controlled by an electric motor and servo drive.

We can add the work of the plug assist and integrate it with the automatic forming cycle. In the control program, we can adjust the speed of the punch movement and the range (depth) of pressing. In many cases, pre-stretching the material with a plug assist is a necessary step before proper vacuum forming.