

(54) Title of the invention : AUTOMATIC UTENSIL MANUFACTURING DEVICE

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(31) Priority Document No	:NA	(72)Name of Inventor : 1)Arvind Kumar
(32) Priority Date	:NA	2)Pardeep Kumar
(33) Name of priority country	:NA	3)Sarabjit Singh
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(57) Abstract :

The present invention relates to an automatic utensil manufacturing device which comprises of a housing 1 fabricated with a platform 2 to place a sheet metal 3, a touch interactive screen 4 that enables a user to enter number of utensil and size of utensil to be manufactured, a sensing module 4 to determines type of material of sheet 3 and possible number of utensils, a laser cutting unit 6 mounted on a slider 7 to cut sheet 3 in accordance to design pattern, a pair of robotic grippers 8 to hold cut-out portion of sheet 3 in vertical orientation where a telescopic rod 10 extends to exert pressure as per material type and a telescopic rotating mold 11 exert force from opposite direction to bend sheet along mold shape and a telescopic roller 12 mounted over slider 7 in perpendicular orientation to give finish to side portion of utensil.

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