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<p>(51) International classification :B23K0026380000, G06T0007000000, G06Q0020320000, G05B0019409700, B08B0003020000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : <b>1)Jaipur National University</b> Address of Applicant :Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p> <p><b>Name of Applicant : NA</b> <b>Address of Applicant : NA</b></p> <p>(72)Name of Inventor : <b>1)Dipendra Kumar</b> Address of Applicant :School of Engineering &amp; Technology, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p> <p><b>2)Dr. Deepika Chauhan</b> Address of Applicant :School of Engineering &amp; Technology, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p> <p><b>3)Dr. Manisha Sharma</b> Address of Applicant :School of Engineering &amp; Technology, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p> <p><b>4)Lokesh Lodha</b> Address of Applicant :School of Engineering &amp; Technology, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p>
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(57) Abstract :

A thermocol work piece cutting device, comprising a plate 1 configured with plurality of wheels 2 for movement of plate 1, plurality of bars 3 arranged between each wheels 2 for lifting plate 1, a platform 4 for placing workpiece by a user, pair of clamping unit 6 placed on the platform 4 to secure workpiece, an imaging unit 7 placed on plate 1 for detecting dimensions of workpiece, a slider configured with plank 8 to accommodate the workpiece, a display panel 9 for allowing user to enter the details regarding shape and size of the workpiece, a projection unit 10 for projecting holographic image over the workpiece, an arrangement 11 configured with cutting unit 12 for cutting the workpiece, a heating unit 13 for aiding the cutting tool, a drawer 16 for storing different types of cutting blades, a robotic arm for replacing the blades from the cutting tool.

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