

SUMMARY OF FORMULATION LOGIC FOR AATRIZINVENTOR SOLUTION

Work Paper

If you applied summary or abbreviated descriptions, have them available to review this logic.

Objective of the Innovation Challenge

Improve Robotic stripping of copper sheets from titanium plates affected by strong adhesion of the sheets to the plates

Evaluated Object S1

STRIPPING ROBOT - Type: Moving

Object S2 interacting with S1

COPPER SHEETS - Type: Moving

Physical Variable or Characteristic

Stripping quality

the undesirable

With Less Stripping quality there is undesirable effects, then there is More difficulty to :

Improve Robotic stripping of copper sheets from titanium plates affected by strong adhesion of the sheets to the plates

the desirable

With More Stripping quality there is desirable effect, then there is More ease to :

Improve Robotic stripping of copper sheets from titanium plates affected by strong adhesion of the sheets to the plates

TRIZ Innovation Parameters Evaluated

TRIZ Innovation Parameters	Undesirable Effect (UDE)/ Desirable Effect (DE)	Evaluate
10. Force/ Intensity	<p>STRIPPING ROBOT : There is More difficulty to Improve Robotic stripping of copper sheets from titanium plates affected by strong adhesion of the sheets to the plates because there is Less Force of stripping</p> <p>Effect : undesirable</p>	<input data-bbox="1354 218 1466 306" type="checkbox"/> Yes <input data-bbox="1354 306 1466 394" type="checkbox"/> No
12. Shape / composition / configuration	<p>STRIPPING ROBOT : There is More difficulty to Improve Robotic stripping of copper sheets from titanium plates affected by strong adhesion of the sheets to the plates because there is Less Appropriate form to stripping</p> <p>Effect : undesirable</p>	<input data-bbox="1354 508 1466 596" type="checkbox"/> Yes <input data-bbox="1354 596 1466 684" type="checkbox"/> No
14. Strength / Resistance	<p>STRIPPING ROBOT : There is More difficulty to Improve Robotic stripping of copper sheets from titanium plates affected by strong adhesion of the sheets to the plates because there is Less Strength of stripping</p> <p>Effect : undesirable</p>	<input data-bbox="1354 798 1466 886" type="checkbox"/> Yes <input data-bbox="1354 886 1466 974" type="checkbox"/> No
26. Quantity of substance / Capacity gains	<p>STRIPPING ROBOT : There is More difficulty to Improve Robotic stripping of copper sheets from titanium plates affected by strong adhesion of the sheets to the plates because there is Less Amount of stripping completed</p> <p>Effect : undesirable</p>	<input data-bbox="1354 1087 1466 1176" type="checkbox"/> Yes <input data-bbox="1354 1176 1466 1264" type="checkbox"/> No
29. Fulfillment of desired outcome	<p>STRIPPING ROBOT : There is More difficulty to Improve Robotic stripping of copper sheets from titanium plates affected by strong adhesion of the sheets to the plates because there is Less Compliance of desired stripping</p> <p>Effect : undesirable</p>	<input data-bbox="1354 1377 1466 1465" type="checkbox"/> Yes <input data-bbox="1354 1465 1466 1554" type="checkbox"/> No
31. Object-generated harmful factors	<p>STRIPPING ROBOT : There is More difficulty to Improve Robotic stripping of copper sheets from titanium plates affected by strong adhesion of the sheets to the plates because there is More Harmful factors generated to copper sheets</p> <p>Effect : undesirable</p>	<input data-bbox="1354 1667 1466 1755" type="checkbox"/> Yes <input data-bbox="1354 1755 1466 1843" type="checkbox"/> No

TRIZ Innovation Parameters	Undesirable Effect (UDE)/ Desirable Effect (DE)	Evaluate
27. Reliability	STRIPPING ROBOT : There is More ease to Improve Robotic stripping of copper sheets from titanium plates affected by strong adhesion of the sheets to the plates because there is More Productivity of stripping Effect : desirable	<input data-bbox="1357 218 1466 302" type="checkbox"/> Yes <input data-bbox="1357 306 1466 390" type="checkbox"/> No