|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| 1.jpg | 2.jpg | 3.jpg | 4.jpg |
|  |  |  |  |
| 5.jpg | 6.jpg | 7.jpg | 8.jpg |
|  |  |  |  |
| 9.jpg | 10.jpg | 11.jpg | 12.jpg |
|  |  |
| 13.jpg | 14.jpg |
|  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.no** | **Input** | | | **Output of SAM2** | **Output of EfficientToolNet** | **Output of BIGRU** | **Experimental Values** | | | **Predicted values** | | |
|  | **Image** | **Spindle Speed** | **Feed** |  |  |  | **Length** | **Width** | **Area** | **Length** | **Width** | **Area** |
| 1 |  | 1100 | 0.3 |  | [-1.0224068 3.3528605 -4.6165295 ... -1.9314867 -1.2467544 1.9160712] | [-0.04262551 0.14443241 …... 0.09754758] | 1.02 | 0.06 | 0.07 | 1.02 | 0.06 | 0.08 |
| 2 |  | 1000 | 0.1 |  | [ 4.4120145 1.7680695 -6.110391 ... 1.340102 -0.15670414  1.3803246 ] | [-0.02431738 0.06220429 ….. 0.06208649] | 0.11 | 1.64 | 0.21 | 0.11 | 1.62 | 0.22 |
| 3 |  | 12000 | 0.2 |  | [ 3.6957078 2.2197897 -5.607527 ... 1.8892729 -0.9281915 1.9102962] | [-0.02784194 0.06772926 ….... 0.06162637] | 0.21 | 1.71 | 0.23 | 0.23 | 1.72 | 0.25 |

