

International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

Volume 2, Issue 6, June 2022

Fixture Modification by Reduction in Rejection

Mr. Pravin Shankar Kurade¹, Mr. Sagar Sanjay Pokalekar², Mr. Karale Amol Bhagwat³,

Mr. Khatode A. L.⁴, Mr. Ghadge S. S.⁵

Students, Department of Mechanical Engineering^{1,2,3} Guide and HoD, Department of Mechanical Engineering⁴ Professor, Department of Mechanical Engineering⁵ Samarth College of Engineering, Belhe, Pune, Maharashtra, India

Abstract: Looking at high rejection %, we did stratification of defects (Lean tool) with the help of PDCA we analysed defect, took actions through A3/White board analysis and monitored the progress along with effectiveness (Below KPI graph.



Keywords: Edge band level shift rejection reduced from 2.73 to 0.73. (~73% reduction).

REFERENCES

- [1]. O. P. Khanna, "Statistical Quality Control", Dhanpat Rai Publications, New Delhi, 1st Edition, 2001.
- [2]. Kanishka Bedi, "Quality Management", Oxford University Press, New Delhi, 1st Edition, 2006.
- [3]. Cyril Donaldson, George H Lecain and V. C. Goold, "Tool Deisgn", Tata McGraw-Hill Publishing Company Limited, New Delhi, 36th Edition, 2006.
- [4]. Peter Scallan, "Process Planning: The Design/Manufacture Interface", Butterworth Heinemann Publication, London, 1st Edition, 2003.
- [5]. P. H. Joshi, "Jigs and Fixtures", Khanna Publishers, New Delhi, 2005.
- [6]. P. C. Sharma, "A Text Book of Production Engineering", S. Chand & Co., New Delhi, 1990