

Development of Mechanical Fuel Injector Testing Machine in Cost Effective Manner

Dr. Vinay Thute¹, Sarang Bhure², Kapil Wawre³, Pankaj Meshram⁴, Dushyant Gonde⁵, Akash Nakhod⁶
Professor, Shri Sant Gajanan Maharaj College of Engineering, Shegaon¹
UG Student, Shri Sant Gajanan Maharaj College of Engineering, Shegaon^{2,3,4,5,6}

Abstract: *When gasoline injectors get contaminated, it creates block in gasoline glide and incapable to allow spray sample for idea combustion. In the current marketplace Fuel Injector testing computing device is used to test the injectors with the contribution of controlled spray system for gasoline. Our team designed and fabricated a manner fuel injector testing machine at very cost-effective price which is 10 time less than existing machine present in market. Our project work explaining how we convert electrical gasoline injection machine into mechanical kind fuel injection machine is price effective, physically operated, multiple flow, single man powered and equally environment friendly with electrical system.*

Keywords: Injector, Air Cylinder, Fuel Cylinder, etc.

REFERENCES

- [1] <https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.indiamart.com%2Fproddetail%2Fhindstan-air-compressor-22033665312.html&psig=AOvVaw04sKVi5T4v1wsnIYgwrMpP&ust=1653506053114000&source=images&cd=vfe&ved=0CAwQjRxqFwoTCLCen5ns-PcCFQAAAAAdAAAAABAD>
- [2] <https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.sundevlauto.com%2Fbad-fuelinjector%2F&psig=AOvVaw2D0rhF9KLgd-1RtT7tn4E&ust=1653506145816000&source=images&cd=vfe&ved=0CAwQjRxqFwoTCIDE3sfs-PcCFQAAAAAdAAAAABAD>
- [3] https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.agarwalpneumatics.in%2Fhydraulic-pressure-gauges.html&psig=AOvVaw0js_k5XN0mciQLmil9L4EA&ust=1653506259787000&source=images&cd=vfe&ved=0CAwQjRxqFwoTCIjUl_3s-PcCFQAAAAAdAAAAABAS
- [4] <https://www.asnu.com>
- [5] THE REVIWE ON FUEL INJECTION SYSTEM IN IC ENGINE
- [6] <https://www.irjet.net/archives/V7/i8/IRJET-V7I858.pdf>
- [7] <https://patents.google.com/patent/US5401324A/en>
- [8] <https://www.jstor.org/stable/44615073>
- [9] <https://patents.google.com/patent/US5401324A/en>
- [10] <https://www.jstor.org/stable/44615073>