



PFG FOOTPRINTS

PFG FOOTPRINTS Newsletter March 2017 contains two recently completed KAIZEN activities - **First is Die Design Improvement** and **Second is Auto DFCE addition**.

Die Design Improvement.



Before



After

Recently activity of **Die Design Improvement** has been completed for some of the **important components**. Previously due to conventional design of dies, input material requirement was more which resulted in additional trimming operation. Component having flash and Yield factor was also not improved.

To avoid this type of money and time consuming process, KAIZEN idea is implemented through **change in conventional design of Open Die Forging to Close Die Forging**. With the help of this type of one time die design change, **we can increase die life drastically and avoid die damage issues**.

Additionally benefits are as below:

1. Trimming operation eliminated.
2. Component made without flash.
3. Yield factor improved significantly.
4. Safe operation and economical.
5. Cost Effective.



PRECIFORGE & GEARS
Division of Patodia Forgings & Gears Ltd

Auto DFCE Addition.



Before



After

Our one more addition in KAIZEN activity is **Addition of Auto DFCE**. Previously due to manual DFCE checking instrument inspection time and set-up time was required more. To avoid this type of time consuming problem, new Auto DFCE instrument is executed in inspection area, which resulted in **Reduction of inspection time and Manpower**.

Additionally benefits are as below:

1. Inspection time reduces up to 50% as compare to previous inspection method.
2. Increased system reliability.
3. Fastest changeover of setup from one part to another.
4. Better accuracies.
5. Greater labor productivity