

## Functions of Fly Wheel Concept by Jim Collins

Jim Collins \*

Department of Mechanical Engineering, University of Delhi, New Delhi, India

### DESCRIPTION

A mechanical tool known as a flywheel is made specifically to retain rotational energy effectively. A flywheel's moment of inertia helps it resist variations in rotating speed. The square of a flywheel's mass and rotational speed determines how much energy it can hold. By altering its spinning speed, a flywheel's stored energy can be changed without altering its mass. Jim Collins coined the phrase "Flywheel Concept" to describe businesses that can equate their business approach with a huge flywheel in his book "Good to Great".

### Fly wheel concept by jim collins

The Flywheel Concept contends that for an organizational to succeed, small, medium, and big scale firms must devote a significant amount of time. The outcomes of the time invested are frequently not apparent, or even more particularly, they are not directly visible in the organizational outcomes.

Typically, these people or teams keep working on the company until a breakthrough opportunity present themselves. The company's results are now more readily apparent in terms of revenues. As a result, due to the immense force, organizational results will continue to advance more quickly.

Jim Collins also contends that because no great company has ever successfully implemented a big transformation, a flywheel effect would always affect all great and successful businesses.

### Functions of fly wheel concept

The various functions that flywheels perform, which can be found in practically every type of automotive, will be covered in this article. The car engine's flywheel serves the following purposes:

**Engine balancing:** There is vibration and wobbling because the pistons are offset from the center of the crankshaft. This is also due to the fact that each piston fires at a unique angle. In this scenario, a flywheel's job is to stop the side-to-side motion. This is made possible by the flywheel's substantial weight. Due to the stabilization and balancing of the engine on its mounts,

flywheels help to reduce overall engine vibration.

**Engine start:** When starting the engine, the flywheel has additional function. A starter motor is linked to the flywheel's gear teeth. When the automobile is started, the starter motor moves the flywheel because it is controlled by the car key. As soon as the engine starts to revolve, the combustion effect keeps it going. For the flywheel to spin freely, the Bendix gear in the started motor retracts.

**Drivetrain stress reduction:** Obtained by regulating the movement of the engine. Additionally, it evens out the engine's speed and lessens the strain on the drivetrain's parts. Flywheel further reduces wear between the driveshaft and the transmission shaft. This pair is joined together by a universal joint.

**Engine speed soothing:** The crankshaft transforms the jerky piston motion into rotary motion that produces power. The engine operates smoothly because the crankshaft's rotational speed is consistent. This is so that the engine crankshaft could continue to rotate between each piston firing due to the bulk of the flywheel.

**Weight manipulation:** The performance of an engine is dependent on the flywheel's weight. The weight is calculated based on how well the cars perform. With heavier flywheels, the engine can operate under loads that would otherwise bog it down. The heavier flywheels are suitable for large trucks or trailers, while the lighter flywheels are good for sports cars and some commercial vehicles.

### CONCLUSION

The Flywheel Concept's main thesis is that great businesses always go through different stages of development. A breakthrough is nevertheless the outcome of a number of smaller advancements brought about by the power of the masses. In the Flywheel Concept, motion is produced by the aggregate energy, not by the input of specific persons. To achieve breakthroughs and build a fantastic and successful firm, all personnel must be strong and consistent. When an organization achieves a breakthrough, the flywheel's rotational momentum increases, making the wheel spin even faster and producing more noticeable business consequences.

**Correspondence to:** Jim Collins, Department of Mechanical Engineering, University of Delhi, New Delhi, India, E-mail: collinsjim963@gmail.com

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