

## Review Article about Parker Rolling mill Technology

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### Abstract:

This article is about Rolling Mill. It is developed by Parker Hannifin Central and Eastern Europe Cooperation with Lublin University of Technology.

### Parker Rolling Mill:

This numerically controlled rolling mill is unique on national scale and it is enabling the production of large size and elongated forgings, such as gradation, shafts and axes. This machine belongs to a new class of machine tools for forming of metal and their alloys.

### Function:

The machine has very high versatility characteristics so we can produce both individual elements and products in large series and in mass production. The tool for shaping the element is three conical rollers, often with complex geometry so we can produce both small and very large parts.



*Three Conical Rollers*

*Courtesy: YouTube/Parker Hannifin*

This rolling mill is characteristic feature for energy is low energy consumption and shaping are low forces and small torques.

### Manufacture:

The main aim for this machine is developed for manufacturing railway wagons axles. With this machine produce any axisymmetric model. The input for the machine is only CAD drawings.

### Conclusion:

Through this article it is clear that the benefits of three conical rolling mill in future.