Conclusion

The achieved OEE is too low, however there are some good things, such as a robust factory, availability for further expansion of the factory. Ways to improve the OEE could be to share certain machines between two different production lines.

By looking at the quality analysis (Cpk & Cp), one can conclude that maintenance should be done more often, perhaps by using a maintenance 4.0 approach.

After doing the FEM analysis, it is concluded that element 13 can be removed without any extra unwanted displacement.