



Tightening technique - direct tightening

1-day event tightening technique

This seminar provides you with a holistic overview of the specialist field of direct tightening

Whether in wood, plastic or metal - direct tightenings are becoming increasingly important in industrial tightening technique. Significant differences exist compared to joints, that have been tightened into an internal thread. By increasing the competence of your employees, you gain a sustainable benefit!

Depending on the application, different screw geometries and design specifications must be used. Keep up to date with these and further topics, so that you can implement measures to improve your manufacturing quality. The theoretical knowledge imparted will be illustrated by means of various practical tests in order to interpret, for example, the influence of speed, depth and friction of your direct tightening cases.

Moreover, you will learn the following skills:

- You will gain confidence and know-how in the field of industrial tightening technique,
- You will be familiar with the advantages and disadvantages of tightening strategies,
- You will learn to interpret torque/angle curves,
- You will be able to define basic tightening parameters,
- After the seminar, you will be familiar with common process testing strategies.





These contents are taught in the seminar:

1 Physical and technical basics of tightening technique

2 Design fundamentals, screws and materials

3 Key factors influencing the direct tightening process

4 Assembly and monitoring strategies

5 Design of the tightening parameters


6 Methods of process capability analysis



Recommended previous knowledge

 First experience in tightening technique and assembly

Target groups

 Production, quality assurance, design, development and work preparation

Participants

 6 to 12

Seminar duration

 1 day

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