TECHNIA
PART OF ADDNODE GROUP

Geometrical Dimensioning & Tolerancing Advanced training course

As a leading knowledge company, TECHNIA offers world class engineering and PLM training, delivering new learning strategies in addition to consultancy and classic training in 3DEXPERIENCE®, CATIA, SOLIDWORKS, GD&T and SIMULIA.

Our trainers are qualified engineers who use these tools daily within our own engineering business. As a result, our training courses have been developed to suit delegates based on our own experiences.

TECHNIA's Training Services enable you to take full advantage of leading your Dassault Systémes and TECHNIA solutions to efficiently reach your business goals.

DASSAULT SYSTEMES
TRAINING EXPERIENCE PARTNER

TECHNIA
PART OF ADDNODE GROUP

In Accordance with:
ASME Y14.5
BS 8888

Geometrical Dimensioning & Tolerancing Advanced training course

DURATION

1 day

Participant's Profile

This course is suitable for all professional engineers; designers, CAD users, manufacturing engineers, metrologists, quality engineers and anyone involved in the creation or interpretation of engineering drawings or engineering designs and specifications who are seeking to extend their knowledge within the field of GD&T.

Prerequisites

This is an extension to the TECHNIA 2 Day Geometrical Dimensioning and Tolerancing course. Delegates should have already completed the 2 day course or at least have a basic knowledge of the language of GD&T through being familiar with the symbols, concepts and methodologies employed within the process of applying and interpreting GD&T.

Description

The course provides an opportunity to extend the knowledge gained during the TECHNIA 2 Day Geometrical Dimensioning and Tolerancing course. The course is aligned to the ASME Y14.5 - 2018 and BS888:2020 standards.

The course covers the following content:

- Extension of basic knowledge in the field and language of GD&T.
- Affective application and interpretation of GD&T to engineering components using advanced concepts.
- Specification of pattern control of axial and planar features.
- Specification of profile control, with refined geometrical limits.
- Standardised '5-Step Approach' to the application of GD&T.

Application of some of the modifying symbols used in GD&T.

- Free State
- Projected Tolerance
- Maximum Material Boundary (Datum)
- Least Material Boundary (Datum)
- Unequal Zone (BS)
- Reciprocity (BS)
- Common Zone (BS)
- Unequally disposed profile tolerancing (ASME)
- Continuous Feature (ASME)
- Tangent Plane (ASME)
- Translation (ASME)
- Customised Reference Frames (ASME)
- Controlled Radius (ASME)
- Statistical Tolerance (ASME)

TECHNIA TRAINING FACILITIES

Courses are available both online or as classroom courses. If you have a large number of delegates that require training we can also offer company specific courses either online, in-house (at TECHNIA) or on your own site.

Milton Keynes: This purpose built training centre is within TECHNIA UK HQ, centrally located in the heart of Buckinghamshire. View on Map.