

## Centre Lathe Turning Courses

### Centre Lathe Turning (Beginners Course)

#### **Aim**

To provide delegates with an opportunity to gain the skills and knowledge needed to safely carry out a range of tasks involving centre lathes, including tool grinding and maintenance and basic machining procedures.

#### **Course Content**

- Safe working practices
- Operating controls, lubrication and safe use of machine
- Sharpening of HSS cutting tools
- Selection of tools according to material
- Speeds and feeds
- Machining techniques
- Using 3 and 4 jaw chucks
- Use of drills, reamers, taps, dies

**Duration:** 10 days

**Accreditation:** Prospects Group Certificate

### Centre Lathe Turning (Intermediate Course)

#### **Aim**

To provide delegates with an opportunity to gain the skills and knowledge needed to safely carry out a range of tasks involving centre lathes including tool grinding and maintenance and specialised machining procedures.

#### **Course Content:**

- Safe working practices
- Operating controls, lubrication and safe use of machine
- Sharpening HSS/carbide tip tools
- Selection of tools according to material
- Speeds and feeds
- Work holding devices
- Boring – taper turning
- Using single point tools for Vee form threads
- Producing internal and external threads
- Culling threads on a variety of materials

**Duration:** 5 days

**Accreditation:** Prospects Group Certificate

### Centre Lathe Turning (Refresher Course)

#### **Aim**

To provide delegates with an opportunity to refresh the skills and knowledge needed to safely carry out a range of tasks involving centre lathes.

#### **Course Content**

- Selecting correct clothing and equipment (PPE)
- Machine safety and knowledge of machine
- Selection and uses of 3 and 4 jaw chucks
- Selection of tools and positioning

Course bookings  
and enquiries

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- Tool sharpening
- Speeds and feeds
- Types of measuring equipment and their uses
- Producing internal and external threads
- Job planning sequence

**Duration:** 2 days

**Accreditation:** Prospects Group Certificate

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Mechanical Engineering Training