

Engineering inspections

# Are you complying with UK Law?

Guide to plant and equipment legislation and examinations



**Failure to comply with UK health and safety legislation can have serious consequences for businesses, such as reduction in workforce efficiency, increased risk of accidents and ill health, enforcement by the Health & Safety Executive and heavy fines or even imprisonment. A critical area of health and safety for businesses is the examination of plant and equipment to comply with various legislation.**

## Plant and equipment

This table provides information on various example plant and equipment types, and applicable UK legislation

Plant category	Example plant	Legislation
<b>Pressure</b>	- Air receiver <sup>(1)</sup>	- Autoclave
	- Air conditioning <sup>(2)</sup>	- Boiling pans (steam)
	- Steam boiler	- Canteen boiler (steam)
	- Blowdown tank	- Steam receiver
	- Hot water boiler (pressurised)	- Refrigeration plant <sup>(2)</sup>
	- LPG storage/Liquified natural gas vessels	- Safety valves/pressure control valves
	- Storage of hazardous fluids	
		<b>COMAH</b>
<b>Lifting</b>	- Crane (e.g. portal, pedestal, overhead, tower, mobile, jib, swing jib)	- Rope blocks
	- Portable crane (e.g. engine)	- Sheer legs
	- Runway track	- Stairlift
	- Suspended access equipment	- Trolley/carriage
	- Chain block (powered or manual)	- Work handler
	- Winch (powered or manual)	- Wheelchair lift
	- Fork lift truck (e.g. sideloader, reach, rough terrain)	- Straddle carrier
	- Escalator	- Vehicle tailboard lift
	- Lifting accessories (e.g. slings, eyebolts, shackles, chains)	- Telehandler
	- Mobile elevating working platform	- Mobile gantries
	- Rescue harness	- Passenger/goods lifts
		- Builders' hoist
		- Man basket
<b>Electrical systems</b>	- Electrical installations	- Hazardous area installations
	- Portable appliance testing	- Petrol dispensing areas
	- Quarries	- Public entertainment licence inspections
		<b>EAWR &amp; DSEAR</b>
<b>Electrical/mechanical</b>	- Diesel engine and alternator	- Fan
	- Power transformer	- Gas engine
	- Electric motor pump	- Oil/coal/gas burner unit
	- Compressor	- Rectifier
	- Water turbine/generator	
		<b>PUWER</b>
<b>Power presses and associated machinery</b>	- Friction screw press	- Hydraulic power press/press brake (fixed/moveable/interlocking guards)
	- Guillotine (electric/hydraulic)	- Mechanical power press/press brake (fixed/moveable/light/interlocking guards)
	- Pneumatic press (fixed or moveable guards)	- Servo press (fixed/moveable/interlocking/photo electric guards)
	- Plastic injection moulding machine	
	- Machines incorporating photo electric guarding	
		<b>PUWER</b>
<b>Local exhaust ventilation</b>	- Dust extraction (e.g. wood, metal, blasting of castings, etc)	
	- Fume extraction (e.g. paint, gases, etc)	
		<b>COSHH &amp; CLAW</b>

## Legislation

**PSSR** The Pressure Systems Safety Regulations 2000

**LOLER** The Lifting Operations and Lifting Equipment Regulations 1998

**EAWR** The Electricity at Work Regulations 1989

**PUWER** The Provision and Use of Work Equipment Regulations 1998

**COSHH** The Control of Substances Hazardous to Health Regulations 2002

**COMAH** The Control of Major Accident Hazards Regulations 2015

**DSEAR** The Dangerous Substances and Explosive Atmospheres Regulations 2002

**CLAW** The Control of Lead at Work Regulations 2002

For Northern Ireland, similar statutory equipment legislation is applicable, however, the year of implementation of the regulation is normally different.

(1) Legislation applicable if receiver is connected to a system containing a vessel greater than 250 bar/litres.

(2) Legislation applicable if plant exceeds 25kW with a vessel over 250 bar/litres.



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