

170-7 SERIES

www.decade.co.uk

DECADE

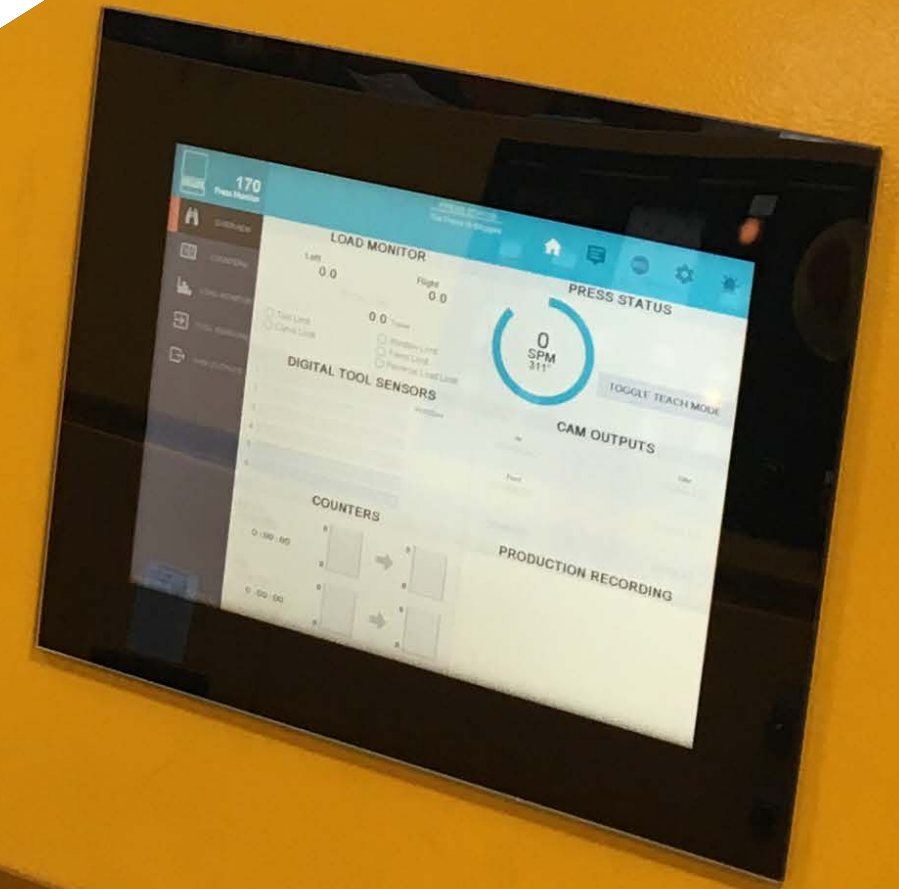
The Decade 170-7 Series is a **compact touch screen monitor** that is featured packed. With clear, simple to use touch screens the unit is *very intuitive* to use.

Load Monitor

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The 170-7 Series Load Monitor feature allows a **more accurate method of monitoring press and tool load**. Trip levels are set automatically and adjust for gradual changes in running load, this process *eliminates nuisance stopping* and allows *finer control* over the press and tool conditions.

- **'Trend' based limit checking tolerates changing load values but maintains sensitivity**
- **Integrates with tool setup library (1000+) to save target load values and limits values**
- **Fault history file saves load faults with time/date stamp**
- **"Setter Mode" disables load checking for N strokes during tool/die setup**
- **Available in 1,2 and 4 load channel versions**
- **Uses DECADE piezo transducers or load cells**



Tool Protection

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Press tooling represents a significant investment in both **monetary and quality terms**, manufacturing high quality components demands high quality tooling. In order to protect these investments and ensure that no accidental or avoidable damage could render the tooling out of production there are a number of methods available to perform these tasks.

The 170-7 Series offers an **In-Tool Protection feature** where up to *four digital sensors* can be monitored for correct operation and in the event of a fault stop the press before irreparable damage is done.

- **Mechanical feeder or material in correct position**
- **Buckle detection for long feeds of thin material**
- **Successful scrap or component ejection out of the tool area**
- **Correct positioning of material in transfer system**
- **Presence of pilot holes in material strip / push back pilot**
- **Detection of scrap carried along material strip**



Cams

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Power presses use rotary CAM signals to control equipment like feeders, scrap cutters, part ejection and strip lubrication. Conventional cam-boxes use mechanical switches operated by cam lobes which means if you need to adjust the on/off angles you have to physically move the cam lobes.

- **Provides four fully independent CAM channels for controlling ancillary equipment.**
- **Angles are entered in at the 170-7 Series screen so no more fiddling with mechanical switches**
- **As well as normal ON/OFF Angle CAMs, On/Time Duration CAMs are ideal for Air Blow-offs or Strip Lubrication**
- **All CAM angles are saved in the Tool Library for recalling the next time the tool is used.**
- **Each CAM channel can be given a name for easy identification of what it is controlling.**
- **Single, double, triple and interval mode option for each CAM. Cyclic CAM option, will operate CAMs every X strokes.**



Production Recording

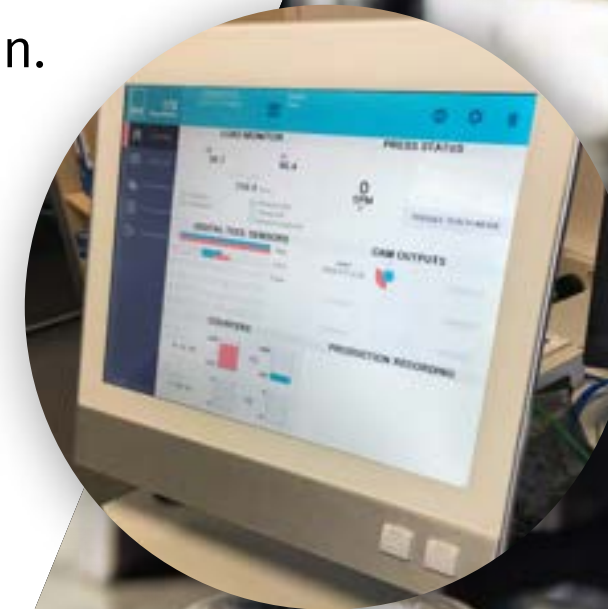
Counters

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The Production Recording module of the 170-7 system provides a means to measure your **productive and non-productive times** over shift or job runs.

The 170-7 will record time and part counts while the press is in production, when the press stops the operator is prompted for a “downtime” reason which is then used to log the stop time against. Over a shift or job run a pattern of run/stop times is built up which is displayed on the 170-7 screen.

This data can be **exported to a PC** for later analysis.



Batch

Job

Coil

Day

Tool

**SOLVING TOMORROW'S
PROBLEMS TODAY TO
ENGINEER A BETTER FUTURE**

Thank You

For any enquiries please call us on **+44 (0)121 359 3978** or
email us at **info@decade.co.uk**