

**Pelloby**

# SINGLE GIRDER CRANES

Pelloby, the UK's most innovative crane manufacturer, offers the widest range of single girder cranes – **all made to suit each individual application.**

Careful evaluation of all mechanical, structural and electrical components ensures a range of cranes which are superior in design, performance and service life; high in quality, reliability and safety; and cost-effective.



- excellence in design
- advanced in technology
- quality in manufacture
- superior in performance

Proven in applications throughout the world, Pelloby single girder cranes offer real value for money, and the Pelloby unique **Kinematic Drive** system which is superior to any other standard crane available.

Each crane is engineered and produced to the highest possible standards with optimised design to suit any application.



## THE PELLOBY ADVANTAGE

### HOIST

The Pelloby electric chain or wire rope hoists have a low headroom construction offering:

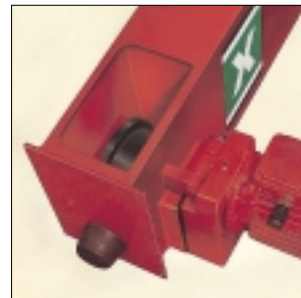
- Very accurate construction
- High resistance to corrosion
- Energy savings
- Very quiet operation
- Increased safety
- Easy servicing
- Long life and reliability
- Electrical protection
- Low maintenance.



### LONG TRAVEL DRIVE

The compact twin drive travel system has been specifically developed for crane applications giving:

- Compact design
- Totally enclosed gears for near silent operation
- SG iron double flanged wheels, self-lubricating with rail
- Brake used only for parking and emergency stopping
- Minimal wear and long service life
- High reliability and low maintenance.



### CONTROL SYSTEM

The long travel drive incorporates the Pelloby **Kinematic Drive** system which gives fully adjustable slow and fast speeds and any speed in between, allowing the optimum drive characteristics to be selected to suit the application.

This system, unique to Pelloby standard cranes, provides:

- Any fast speed up to the maximum motor rating
- Any slow speed irrespective of fast speed setting
- Flexi-Speed between slow and fast setting



- Variable acceleration and deceleration
- Torque control on starting
- Anti reversal of motors
- Dynamic braking – no brake wear
- Thermal protection of motors
- Load independant characteristics
- Minimal load swing
- High duty

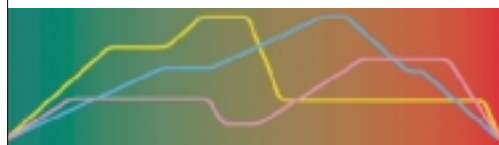
- Self protecting electrical circuits
- Very low maintenance
- Reduced shock loading on gantry and building
- Can be adjusted on site for future requirements.



Diagram shows typical examples of



**Kinematic – the science of pure motion!**



Pelloby **Kinematic Drive** crane control cycles

### CONTROLS

The crane is controlled by a mobile plug in pendant with AB – XY legend plates to correspond with the markers or the crane bridge.

- Simplicity of operation
- Operational flexibility and safety
- Interchangeability.

Optional remote radio or infra red control.



### CUSTOMER SERVICE

Pelloby cranes are backed by the best after sales service to ensure that your crane performs in peak



service. We automatically remind you of the next condition and in total safety.