**Lattice boom crane**

**Luffing jib, force measurement in the anchoring**

**Requirements**
- Load moment indication
- Single movement cut-offs via digital outputs
- Processing of analog and digital inputs
- Force measurement via load cells in the anchoring
- Angle measurement
- Customer-specific graphical operation mode selection
- EN 13000 event recorder
- Main boom
- Luffing jib
- Self installation with boom (A-bock)
- Upgrade program for luffing jib
- Main boom and luffing jib also available with quick-action stroke roller

**Product solution**

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1. **Controllers**
   - IFLEX 5
   - ISCOUT expert

2. **Consoles**
   - Graphics console application

3. **Sensors**
   - 2 x fSENS F73x1 in the anchoring of the main boom
   - 2 x fSENS F73x1 in the anchoring of the luffing jib
   - fSENS F73x1 in the anchoring of the jib
   - gSENS WGC one each to MB-bottom and MB-top
   - One each of gSENS WGC to luffing jib bottom and luffing jib top
   - pSENS DAVS

4. **Software**
   - EN 13000 Event recorder
   - User limits
**Features**

- Menu-driven set-up state pre-selection or direct code entry
- LMI operational display with real crane configuration
- Output of status information and flexible, user-friendly service screens in 9 selectable languages
- User limits with deactivation of dangerous movements for radius, height, angle, slew angle
- Full integration of set-up and bridging devices according to EN 13000:2010
- Support of the FEM light according to EN 13000:2010
- Additional surveillance of load via direct load measurement on the jib in main boom operation mode
- Interpolation of safe working load via main boom angle in luffing jib operation mode
- Surveillance of the difference angle when setting up the luffing jib

**Overview**

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<th>Sennebogen 7700</th>
<th>Sennebogen 620</th>
<th>Linkbelt</th>
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<td>EU</td>
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**Load Moment Indication**

- Load moment indication
- Single Movement Release / cut-off
- General cut-off
- Digital Inputs
- Digital Outputs
- Angle sensing at boom bottom
- Angle sensing at boom top
- Load sensing in boom pendant
- Load sensing in derrick system
- Load sensing in hoist rope (direct)
- Load sensing in luffing cylinder

**Requirements Console**

- Customized fully graphical OM selection (guided menu)
- Customized OM Configuration list / Numerical OM selection
- Graphical OM Info screen
- Numerical OM selection (OM Code)
- Real crane pictures
- Schematic crane pictures

**Standard Functions**

- Virtual walls
- User limits (radius, angle, height, slew angle)
- Telescopic control
- Sensor adjustment via console (protected)
- Status information by symbols
- Status information with additional text
- Extended error messages (multi levels)
- Servicescreens (multi level with text)
- Servicescreens (tables or graphics)

**Special Features**

- Monitoring load on runner in main boom OM
- Interpolation of rated loads by main boom angle in luffing jib OM
- Superlift
- Monitoring of inclination for ship mounting
- Visualization of inclination by bubble level
- Free fall function for hoist
- Load on main boom with jib mounted
- Communication to crane controller
- Visualization of status information from crane controller
- Visualization of motor data (J1939)
- Outrigger monitoring, display, automatic load chart selection
- Camera input
- Reduction of crane movement speed
- Context-sensitive on screen information
- Load spectrum counter, lift counter
- Operating hours counter
- On screen configuration for available hoist and OM