

# CRANE LIFTING DEVICE SELECTION QUESTIONNAIRE

## Technical Information Sheet

A complete questionnaire helps our engineers recommend the most suitable lifting solution and provide an accurate quotation.

### 1. Customer Information

Item	Information
Company	
Contact Person	
Position	
Email	
Phone / WhatsApp	
Country	
Project Name	
End User	

### 2. Project Information

Application Industry

- Steel Mill
- Warehouse
- Shipyard
- Port
- Manufacturing
- Construction
- Power Plant
- Logistics
- Other \_\_\_\_\_

Estimated Quantity: \_\_\_\_ Set(s)

Required Delivery Time: \_\_\_\_\_

Target Standards:  CE  FEM  ISO  OSHA  CMAA  ASME  Other \_\_\_\_\_

### 3. Existing Crane Information

Item	Value
Crane Type	
Rated Capacity	
Span	
Lifting Height	
Hoist Type	
Working Class	
Existing Hook Type	

## 4. Load Details

**Material to be Lifted:** \_\_\_\_\_

**Load Shape:**  Plate  Coil  Pipe  Billet  Slab  Bundle  Machinery  Boat   
Container  Other \_\_\_\_\_

**Weight (Minimum / Maximum / Typical):** \_\_\_\_\_

Unit:  kg  ton

**Dimensions (Length / Width / Height / Diameter):** \_\_\_\_\_

Unit:  mm  inch

**Surface Condition:**  Painted  Polished  Oily  Wet  Rusty  Hot  Fragile  Finished  
Surface  Other \_\_\_\_\_

**Material Temperature:** \_\_\_\_\_ °C

**Center of Gravity Known?**

Yes  No

If Yes: \_\_\_\_\_

## 5. Required Lifting Function

### Preferred Lifting Device:

- Plate Clamp
- Coil Lifter
- C Hook
- Pipe Clamp
- Billet Clamp
- Slab Clamp
- Vacuum Lifter
- Magnetic Lifter
- Mechanical Grab
- Motorized Grab
- Spreader Beam
- Lifting Beam
- Container Spreader
- Lifting Frame
- Fork Attachment
- Custom Design
- Need Recommendation

**Lifting Direction:**  Vertical  Horizontal  Turning  Tilting  Rotating

**Rotation Requirement:**  None  90°  180°  360°

**Clamp Operation:**  Manual  Mechanical  Hydraulic  Electric  Pneumatic

**Opening Range Required:** Minimum \_\_\_\_\_ mm Maximum \_\_\_\_\_ mm

**Lifting Frequency:**  Occasionally  Hourly  Continuous Operation Approx. \_\_\_\_\_ lifts/hour

**Special Functions Required:**

- Automatic Locking
- Automatic Release
- Remote Control
- PLC Control
- Position Sensor
- Anti-drop Protection
- Load Indicator
- Overload Protection
- Emergency Release
- Other \_\_\_\_\_

## 6. Working Environment

Installation Location:  Indoor  Outdoor  Both

Ambient Temperature: \_\_\_\_\_ °C

**Environment:**

- Dust
- High Humidity
- Rain
- Corrosive
- Offshore
- Steel Mill
- Chemical Plant
- Explosion Hazard
- Clean Room
- Other \_\_\_\_\_

Power Supply (if applicable): Voltage \_\_\_\_\_ Frequency \_\_\_\_\_ Phase \_\_\_\_\_

## 7. Drawings & Photos

Please attach the following if available:

- Load Drawing
- Product Photos
- Existing Crane Hook Drawing
- Workshop Layout
- Installation Area Photos
- Previous Lifting Device Drawings

## 8. Additional Requirements

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## Engineer Notes (For Manufacturer Use Only)

Item	Description
Recommended Solution	
Model	
Capacity	
Safety Factor	
Engineer	
Date	