

RBC



MARINAS AND SHIPYARDS
RAIL-MOUNTED BOOM CRANE



CIMOLAI Technology® spa
Special Equipment



MACHINERY ROOM
Force ventilated through a filtered air intake

STRUCTURE
100% manufactured in CIMOLAI's workshops in Italy, circular hollow sections and steel plates come exclusively from primary European Companies. The structure is designed as per the latest FEM and UNI EN standards

LAYOUT
Customized crane's dimensions and features to meet the customer's requirements

PAINTING
High-performance anti-corrosion coating for long-term protection, suitable for aggressive and corrosive environments

WEIGHING SYSTEM
With dedicated load cells to display the total lifted load

REMOTE ASSISTANCE AND DIAGNOSIS
In-house developed software and GSM or Wi-Fi connection to supervise the machine status in real time from our after-sales office and promptly assist the customer's operators on site

LIGHTS
Work lights for low light conditions

DRIVE UNITS
Drive units provided with Variable-Frequency Drive (VFD) control

LEVEL LUFFING MOTION
Operated by winch and multi sheaved rope system
Deviation from the horizontality under 3% of the outreach variation

ANEMOMETER
Wind speed monitoring with indication in the operator's cabin

SLEWING GEAR UNIT
High dimensioned slew ring with 360° slewing angle using copper slip rings

WHEELS
Double flanged forged steel wheels
Customizable wheel configuration and spacing to meet the wheel load and space requirements

OPERATOR'S CABIN
Air-conditioned and positioned to ensure clear view of the load and handling area

CABIN MAINTENANCE ACCESS
Stairs, walkways and ladders for easy access during operations and maintenance

STORM CLAMPS
Remote hydraulically operated rail clamps to secure the crane when not in service

EXTENDED WIRE ROPE LIFE
Longer service life and durability of the wire ropes thanks to: constant clockwise/anti-clockwise spooling grooved winch drums with 1 or 2 winding layers

OPTIONAL

CMMS CRANE MONITORING & MANAGEMENT SYSTEM
Operation monitoring and management and fault monitoring, diagnosis and rectification

AUXILIARY HOIST
Additional hoist for fast handling operations of smaller elements

ANTI-COLLISION DEVICES
Radar and/or laser sensors to avoid obstacles on the crane's path

CCTV
The crane can be provided with CCTV camera system with display in the operator's cabin

STOWAGE PINS
Mechanical locking devices inserted in "steel pockets" along the track to secure against movement during storm conditions

SERVICE CRANE
Installed inside the machinery house to help during maintenance operations

ALTERNATIVE SHORE POWER SUPPLY
In case of power failures over a long period, the crane can be powered via alternative power supplies

REGENERATIVE BRAKING
Regeneration of energy dissipated during the braking phases is converted in electricity via AFE system



Capacity: **100 t**/each
ROMANIA



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ROMANIA

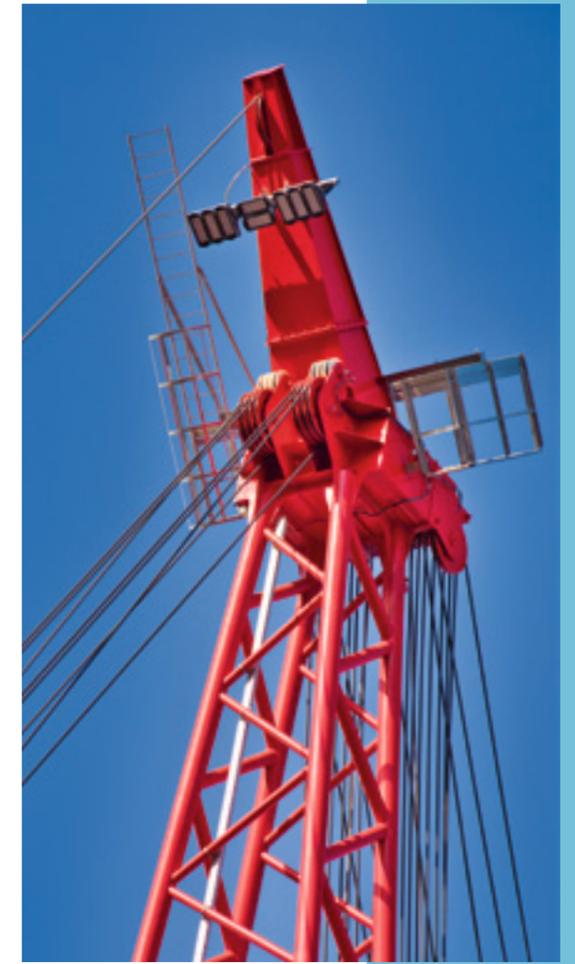


Capacity: **20 t**
ITALY

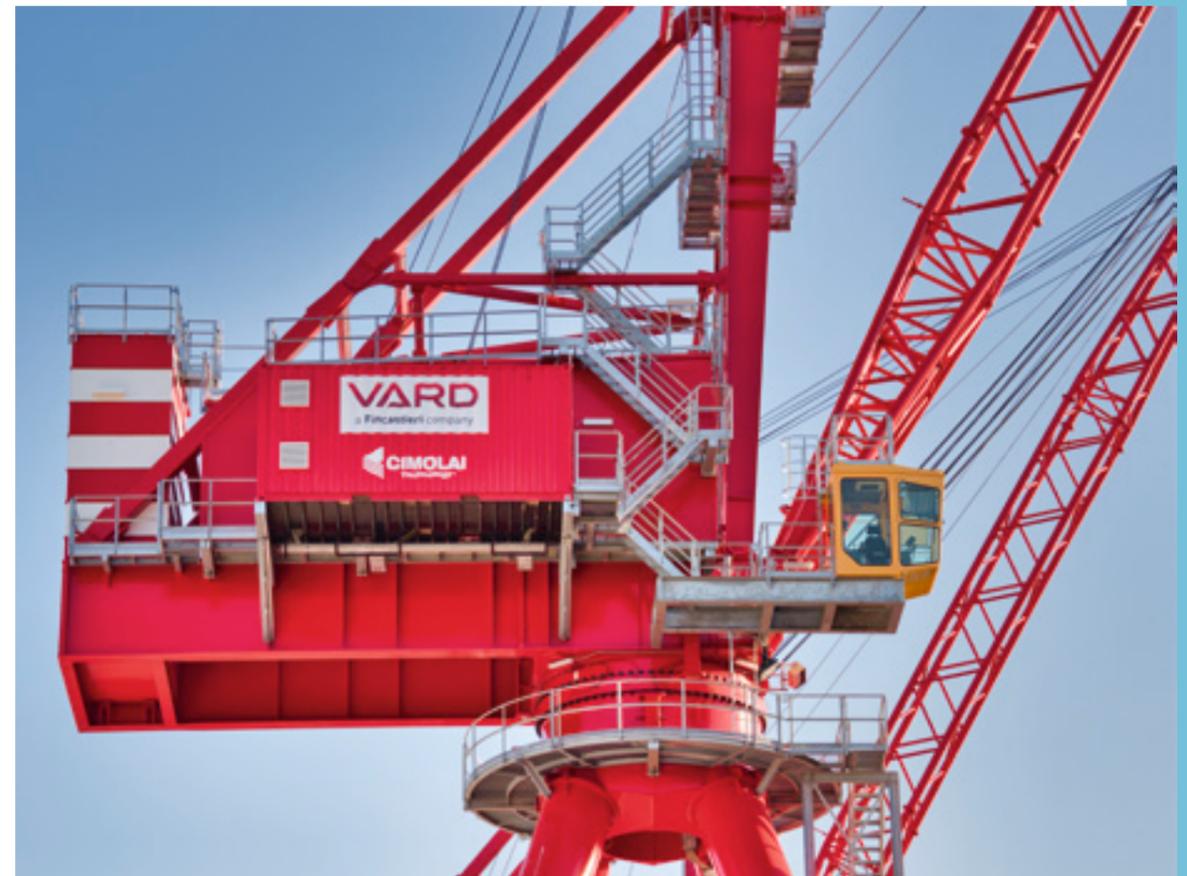
Capacity: **100 t/each**
ROMANIA
Cabin – Maintenance Access



Operator's cabin



Lights and boom tip



Machinery room

CERTIFICATIONS



ESNA-SOA
Società Organismo di Attestazione S.p.A.



CIMOLAI Technology® spa
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Cimolai Technology SpA headquarters span a **total area of 53,000 m² - 22,000 m²** of which are fully covered and used as fabrication area and offices.

The company can count on all services required by a dynamic and constantly growing firm and is based in Carmignano di Brenta (Province of Padua), Italy.



Armando Cimolai
Centro Servizi s.r.l.

The steelworks for Cimolai Technology SpA are fabricated by **Armando Cimolai Centro Servizi**, a factory in San Quirino (PN) – Italy **that occupies an overall area of 180,000 m²**, of which 60,000 are fully covered.

